FIELD DATA

Shadowed fields:

fldoffset[0] = 0x00,fldmask[0] = 0x00,fldvalue_dyna[0]:0x00 0x00 0x00 0x00
fldcontrol[0].inuse = 0x0 fldcontrol[0].refcnt = 0x00 0x00 0x00 0x00
fldoffset[1] = 0x00,fldmask[1] = 0x00,fldvalue_dyna[1]:0x00 0x00 0x00 0x00
fldcontrol[1].inuse = 0x0 fldcontrol[1].refcnt = 0x00 0x00 0x00 0x00
fldoffset[2] = 0x00,fldmask[2] = 0x00,fldvalue_dyna[2]:0x00 0x00 0x00 0x00
fldcontrol[2].inuse = 0x0 fldcontrol[2].refcnt = 0x00 0x00 0x00 0x00
fldoffset[3] = 0x00,fldmask[3] = 0x00,fldvalue_dyna[3]:0x00 0x00 0x00 0x00
fldcontrol[3].inuse = 0x0 fldcontrol[3].refcnt = 0x00 0x00 0x00 0x00
fldoffset[4] = 0x00,fldmask[4] = 0x00,fldvalue_dyna[4]:0x00 0x00 0x00 0x00
fldcontrol[4].inuse = 0x0 fldcontrol[4].refcnt = 0x00 0x00 0x00 0x00
fldoffset[5] = 0x00,fldmask[5] = 0x00,fldvalue_dyna[5]:0x00 0x00 0x00 0x00
fldcontrol[5].inuse = 0x0 fldcontrol[5].refcnt = 0x00 0x00 0x00 0x00
fldoffset[6] = 0x00,fldmask[6] = 0x00,fldvalue_dyna[6]:0x00 0x00 0x00 0x00
fldcontrol[6].inuse = 0x0 fldcontrol[6].refcnt = 0x00 0x00 0x00 0x00
fldoffset[7] = 0x00,fldmask[7] = 0x00,fldvalue_dyna[7]:0x00 0x00 0x00 0x00
fldcontrol[7].inuse = 0x0 fldcontrol[7].refcnt = 0x00 0x00 0x00 0x00
fldoffset[8] = 0x00,fldmask[8] = 0x00,fldvalue_dyna[8]:0x00 0x00 0x00 0x00
fldcontrol[8].inuse = 0x0 fldcontrol[8].refcnt = 0x00 0x00 0x00 0x00
fldoffset[9] = 0x00,fldmask[9] = 0x00,fldvalue_dyna[9]:0x00 0x00 0x00 0x00
fldcontrol[9].inuse = 0x0 fldcontrol[9].refcnt = 0x00 0x00 0x00 0x00
fldoffset[10] = 0x00,fldmask[10] = 0x00,fldvalue_dyna[10]:0x00 0x00 0x00 0x00
fldcontrol[10].inuse = 0x0 fldcontrol[10].refcnt = 0x00 0x00 0x00 0x00
fldoffset[11] = 0x00,fldmask[11] = 0x00,fldvalue_dyna[11]:0x00 0x00 0x00 0x00
fldcontrol[11].inuse = 0x0 fldcontrol[11].refcnt = 0x00 0x00 0x00

0x00
fldoffset[12] = 0x00,fldmask[12] = 0x00,fldvalue_dyna[12]:0x00 0x00
0x00 0x00
fldcontrol[12].inuse = 0x0 fldcontrol[12].refcnt = 0x00 0x00 0x00
0x00
fldoffset[13] = 0x00,fldmask[13] = 0x00,fldvalue_dyna[13]:0x00 0x00
0x00 0x00
fldcontrol[13].inuse = 0x0 fldcontrol[13].refcnt = 0x00 0x00 0x00
0x00
fldoffset[14] = 0x00,fldmask[14] = 0x00,fldvalue_dyna[14]:0x00 0x00
0x00 0x00
fldcontrol[14].inuse = 0x0 fldcontrol[14].refcnt = 0x00 0x00 0x00
0x00
fldoffset[15] = 0x00,fldmask[15] = 0x00,fldvalue_dyna[15]:0x00 0x00
0x00 0x00
fldcontrol[15].inuse = 0x0 fldcontrol[15].refcnt = 0x00 0x00 0x00
0x00
fldoffset[16] = 0x00,fldmask[16] = 0x00,fldvalue_dyna[16]:0x00 0x00
0x00 0x00
fldcontrol[16].inuse = 0x0 fldcontrol[16].refcnt = 0x00 0x00 0x00
0x00
fldoffset[17] = 0x00,fldmask[17] = 0x00,fldvalue_dyna[17]:0x00 0x00
0x00 0x00
fldcontrol[17].inuse = 0x0 fldcontrol[17].refcnt = 0x00 0x00 0x00
0x00
fldoffset[18] = 0x00,fldmask[18] = 0x00,fldvalue_dyna[18]:0x00 0x00
0x00 0x00
fldcontrol[18].inuse = 0x0 fldcontrol[18].refcnt = 0x00 0x00 0x00
0x00
fldoffset[19] = 0x00,fldmask[19] = 0x00,fldvalue_dyna[19]:0x00 0x00
0x00 0x00
fldcontrol[19].inuse = 0x0 fldcontrol[19].refcnt = 0x00 0x00 0x00
0x00

Real fields:

fldoffset RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fldmask RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fld value4 RAM:
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000

```
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
Field dirty indicator: 0x00000000

FDB reference count fdb: 0 [0 0 0 0 ]
FDB reference count fdb: 1 [0 0 0 0 ]
FDB reference count fdb: 2 [0 0 0 0 ]
FDB reference count fdb: 3 [0 0 0 0 ]
FDB reference count fdb: 4 [0 0 0 0 ]
FDB reference count fdb: 5 [0 0 0 0 ]
FDB reference count fdb: 6 [0 0 0 0 ]
FDB reference count fdb: 7 [0 0 0 0 ]
FDB reference count fdb: 8 [0 0 0 0 ]
FDB reference count fdb: 9 [0 0 0 0 ]
FDB reference count fdb: 10 [0 0 0 0 ]
FDB reference count fdb: 11 [0 0 0 0 ]
FDB reference count fdb: 12 [0 0 0 0 ]
FDB reference count fdb: 13 [0 0 0 0 ]
FDB reference count fdb: 14 [0 0 0 0 ]
FDB reference count fdb: 15 [0 0 0 0 ]
FDB reference count fdb: 16 [0 0 0 0 ]
FDB reference count fdb: 17 [0 0 0 0 ]
FDB reference count fdb: 18 [0 0 0 0 ]
FDB reference count fdb: 19 [0 0 0 0 ]

Filter counters:
   Filter counter 0: 0  (MIRROR1)
   Filter counter 1: 0  (MIRROR2)
   Filter counter 2: 0  (MIRROR3)
   Filter counter 3: 0  (MIRROR4)
   Filter counter 4: 0  (AEPORT_NON_MIRR_DROP)
   Filter counter 5: 0  (ZONING TRAP)
   Filter counter 6: 0  (FCR_EXPORT_DC)
   Filter counter 7: 0  (TIN TRAP)
   Filter counter 8: 0  (FICON CUP)
   Filter counter 9: 0  (FICON CUP DST)
   Filter counter 10: 0 (WELL KNOWN ADDR)
   Filter counter 11: 0 (SIM)
   Filter counter 12: 0 (UNUSED)
   Filter counter 13: 0 (UNUSED)
   Filter counter 14: 0 (UNUSED)
   Filter counter 15: 0 (UNUSED)
   Filter counter 16: 0 (PERF1)
   Filter counter 17: 0 (PERF2)
   Filter counter 18: 0 (PERF3)
   Filter counter 19: 0 (PERF4)
   Filter counter 20: 0 (PERF5)
   Filter counter 21: 0 (PERF6)
   Filter counter 22: 0 (PERF7)
```

```
   Filter counter 23: 0 (PERF8)
   Filter counter 24: 0 (PERF9)
   Filter counter 25: 0 (PERF10)
   Filter counter 26: 0 (PERF11)
   Filter counter 27: 0 (PERF12)
   Filter counter 28: 0 (OPM1)
   Filter counter 29: 0 (OPM2)
   Filter counter 30: 0 (IPM1)
   Filter counter 31: 0 (IPM2)

               ACL DATA
               --------
Logical port 24: Hard Zoning disabled, Soft Zoning disabled
Zone type: WWN Zoning
Frames with hard zone miss: 0

*** Please use filterportshow on user port 56 to display ACL hash
tables and Mirroring resources of thischip.
 ***We show this data only for the first physical port which is an
exernal port.

portFcPortCmdShow --slot 0 36 3
doing portFcPortCmdShow: arg1 = 3, arg2 = -2

portshow 36
portDisableReason: None
portCFlags: 0x1
portFlags: 0x10000907    PRESENT ACTIVE E_PORT G_PORT U_PORT
LOGICAL_ONLINE LOGIN
LocalSwcFlags: 0x0
portType:  26.0
POD Port: Port is licensed
portState: 1    Online
Protocol: FC
portPhys:  6    In_Sync         portScn:   16   E_Port    Flow
control mode 4
port generation number:    0
state transition count:    2

portId:    012400
portIfId:    4302001e
portWwn:   20:24:d8:1f:cc:2c:99:90
portWwn of device(s) connected:
16b Area list:
Distance:  normal
portSpeed: N16Gbps

FEC: Active
Credit Recovery: Active
LE domain: 0
Peer beacon: Off
FC Fastwrite: OFF
Interrupts:        0          Link_failure: 0          Frjt:
0
```

```
Unknown:           0          Loss_of_sync: 0          Fbsy:
0
Lli:               0          Loss_of_sig:  0
Proc_rqrd:         65821      Protocol_err: 0
Timed_out:         0          Invalid_word: 0
Tx_unavail:        0          Invalid_crc:  0
Delim_err:         0          Address_err:  0
Lr_in:             0          Ols_in:       0
Lr_out:            0          Ols_out:      0


portloginshow 36
Type  PID     World Wide Name        credit df_sz cos
=====================================================


portloginshow 36 -history
 Type  PID      World Wide Name           logout time
============================================================


portregshow 36

LED registers
=============
0x81cf2000: c4_led_status          000000ff    0x81cf2004:
c4_led_ctl             00000001

FPL registers
=============
0x81cf0200: fpl_port_config        232980f0
0x81cf020c: fpl_port_id_ctl        00000000    0x81cf0210:
fpl_port_id_addr       00012400
0x81cf0214: fpl_port_speed         00000003    0x81cf021c:
fpl_lli_ctl            000000c0
0x81cf0228: fpl_lli_os_ctl         bc55bf45    0x81cf022c:
fpl_lli_send_word      bc95b5b5
0x81cf0230: fpl_lli_mark_rx        005fbf45    0x81cf0234:
fpl_lli_rnd_trip_time  00000000
0x81cf0238: fpl_lli_ns_status      02144005    0x81cf023c:
fpl_lli_intr_status    02000000
0x81cf0244: fpl_lli_def            00144005    0x81cf0254:
fpl_lli_intr_enable_clr 305e4007
0x81cf0258: fpl_err_intr_status    00000100    0x81cf0260:
fpl_err_intr_enable_clr 00000000
0x81cf0268: fpl_err_first_error    00000000    0x81cf026c:
fpl_speed_neg_ctl      a404d3b8
0x81cf0270: fpl_speed_neg_stat     0000005c    0x81cf0274:
fpl_softasn_ctl        0000000f
0x81cf0278: fpl_link_init_ctl      00042d48    0x81cf027c:
fpl_link_init_stat     000000e0
0x81cf0280: fpl_aec_ctl            00181060    0x81cf0284:
fpl_aec_ctl2           04009f60
0x81cf0288: fpl_pcs_ctl            00000076    0x81cf028c:
```

```
fpl_fec_ctl             0000063e
0x81cf0290: fpl_fec_cor             00000000    0x81cf0294:
fpl_fec_uncor           00000000
0x81cf0298: fpl_hss_link_ctl        0031f040    0x81cf029c:
fpl_afifo_link_ctl      00000a86
0x81cf02a0: fpl_echo_lb_ctl         0000028c    0x81cf02a4:
fpl_scratch             00000320
0x81cf02a8: fpl_debug               00050005    0x81cf02ac:
fpl_misc_debug          00000640
0x00000000: SW_shadow_reg           00040000    0x00000000:
SW_c4_phyp->cfgptr      00030003

per-fpg (per octet) registers
=============================
0x8181b82c: fpg_serdes_ctla0        81a37be7    0x8181b830:
fpg_serdes_ctla1        81a37be7
0x8181b834: fpg_serdes_ctlb0        81a1c3c3    0x8181b838:
fpg_serdes_ctlb1        81a1c3c3
0x8181b83c: fpg_serdes_xgmii_1ms    00067c28    0x8181b840:
fpg_serdes_regtimctl    40e47946
0x8181b844: fpg_serdes_asnrsttimctl 00000102

HSS PLL registers
=============================
0x8181b400: 00_hssplla_vco_coarse_cal0      00000000    0x8181b404:
01_hssplla_vco_coarse_cal1      00000014
0x8181b408: 02_hssplla_vco_coarse_cal2      00000000    0x8181b40c:
03_hssplla_vco_coarse_cal3      00000000
0x8181b410: 04_hssplla_vco_coarse_cal4      00000000    0x8181b424:
09_hssplla_power_ctl            00000000
0x8181b428: 0A_hssplla_charge_pump_ctl      00000004    0x8181b438:
0E_hssplla_pll_misc_ctl         00000000
0x8181b43c: 0F_hssplla_pclk_ctl             000000f8    0x8181b440:
10_hssplla_eyem_intv_ctl        00000000
0x8181b444: 11_hssplla_eyem_intv_lim1       00000000    0x8181b448:
12_hssplla_eyem_intv_lim2       00000000
0x8181b44c: 13_hssplla_eyem_intv_lim3       00000000    0x8181b450:
14_hssplla_eyem_intv_lim4       00000000
0x8181b4f0: 3C_hssplla_macro_tst_ctl4       00000000    0x8181b4f4:
3D_hssplla_macro_tst_ctl3       00000000
0x8181b4f8: 3E_hssplla_macro_tst_ctl2       00000000    0x8181b4fc:
3F_hssplla_macro_tst_ctl1       00000000
0x8181b500: 00_hssplb_vco_coarse_cal0       0000000a    0x8181b504:
01_hssplb_vco_coarse_cal1       00000014
0x8181b508: 02_hssplb_vco_coarse_cal2       00000000    0x8181b50c:
03_hssplb_vco_coarse_cal3       00000000
0x8181b510: 04_hssplb_vco_coarse_cal4       00000000    0x8181b524:
09_hssplb_power_ctl             00000000
0x8181b528: 0A_hssplb_charge_pump_ctl       00000004    0x8181b538:
0E_hssplb_pll_misc_ctl          00000000
0x8181b53c: 0F_hssplb_pclk_ctl              000000f8    0x8181b540:
10_hssplb_eyem_intv_ctl         00000000
0x8181b544: 11_hssplb_eyem_intv_lim1        00000000    0x8181b548:
12_hssplb_eyem_intv_lim2        00000000
```

```
0x8181b54c: 13_hsspllb_eyem_intv_lim3       00000000    0x8181b550:
14_hsspllb_eyem_intv_lim4       00000000
0x8181b5f0: 3C_hsspllb_macro_tst_ctl4       00000000    0x8181b5f4:
3D_hsspllb_macro_tst_ctl3       00000000
0x8181b5f8: 3E_hsspllb_macro_tst_ctl2       00000000    0x8181b5fc:
3F_hsspllb_macro_tst_ctl1       00000000

HSS TX registers
================
0x8181a400: 00_hsstx_cfg_mode_PHY           00009d48    0x8181a404:
01_hsstx_test_ctl               00000000
0x8181a408: 02_hsstx_coeff_ctl_INV          00000000    0x8181a40c:
03_hsstx_drv_mode_ctl           00000000
0x8181a410: 04_hsstx_drv_ovrd_ctl           00000010    0x8181a414:
05_hsstx_dclk_align_ovrd        00000080
0x8181a418: 06_hsstx_imp_cal_ovrd           00000c0c    0x8181a41c:
07_hsstx_dclk_drift_tol         00000004
0x8181a420: 08_hsstx_tap0_coeff_TUNE        00000000    0x8181a424:
09_hsstx_tap1_coeff_TUNE        00000003
0x8181a428: 0A_hsstx_tap2_coeff_TUNE        00000019    0x8181a42c:
0B_hsstx_tap3_coeff_TUNE        00000003
0x8181a434: 0D_hsstx_pol_INV                00000004    0x8181a438:
0E_hsstx_ae_cmd                 00000000
0x8181a43c: 0F_hsstx_ae_stat                00000000    0x8181a440:
10_hsstx_ae_tap0_TUNE           00000000
0x8181a444: 11_hsstx_ae_tap1_TUNE           00000000    0x8181a448:
12_hsstx_ae_tap2_TUNE           00000028
0x8181a44c: 13_hsstx_ae_tap3_TUNE           00000000    0x8181a454:
15_hsstx_app_tune               0000120e
0x8181a458: 16_hsstx_analog_diag            00000000    0x8181a460:
18_hsstx_4x_seg_app             0000aaaa
0x8181a464: 19_hsstx_2x_seg_app             000000f0    0x8181a468:
1A_hsstx_1x_seg_app             0000f508
0x8181a46c: 1B_hsstx_seg_4x_term_app        00000000    0x8181a470:
1C_hsstx_seg_2x1x_term_app      0000030d
0x8181a474: 1D_hsstx_tap_sign_app           00000004    0x8181a478:
1E_hsstx_ext_addr_data          00000001
0x8181a47c: 1F_hsstx_ext_addr_addr          00000000    0x8181a480:
20_hsstx_pat_buf_bytes_1_0      00000000
0x8181a484: 21_hsstx_pat_buf_bytes_3_2      00000000    0x8181a488:
22_hsstx_pat_buf_bytes_5_4      00000000
0x8181a48c: 23_hsstx_pat_buf_bytes_7_6      00000000    0x8181a49c:
27_hsstx_8023az_ctl             00000000
0x8181a4a0: 28_hsstx_dcc_ctl                000060c0    0x8181a4a4:
29_hsstx_dcc_ovrd               00000000
0x8181a4a8: 2A_hsstx_dcc_app                00000101    0x8181a4ac:
2B_hsstx_dcc_timeout            0000ffff
0x8181a4c0: 30_hsstx_tap_sign_ovrd          00000000    0x8181a4c8:
32_hsstx_seg_4x_ovrd            00000000
0x8181a4cc: 33_hsstx_seg_2x_ovrd            00000000    0x8181a4d0:
34_hsstx_seg_1x_ovrd            00000000
0x8181a4d8: 36_hsstx_tap_seg_4x_term_ovrd   00000000    0x8181a4dc:
37_hsstx_tap_seg_2x_term_ovrd   00000000
0x8181a4e0: 38_hsstx_tap_seg_1x_term_ovrd   00000000    0x8181a4ec:
```

```
3B_hsstx_mac_test_ctl5          00000000
0x8181a4f0: 3C_hsstx_mac_test_ctl4          00000000    0x8181a4f4:
3D_hsstx_mac_test_ctl3          00000000
0x8181a4f8: 3E_hsstx_mac_test_ctl2          00000000    0x8181a4fc:
3F_hsstx_mac_test_ctl1          000000c6

HSS RX registers
================
0x8181a600: 00_hssrx_cfg_mode_PHY           00009c78    0x8181a604:
01_hssrx_test_ctl               00000000
0x8181a608: 02_hssrx_phs_rot_ctl            0000cb80    0x8181a60c:
03_hssrx_phs_rot_ofs_ctl        00000610
0x8181a610: 04_hssrx_phs_rot_posn1          00000706    0x8181a614:
05_hssrx_phs_rot_posn2          00000037
0x8181a618: 06_hssrx_phs_rot_sta_ofs1       00000000    0x8181a61c:
07_hssrx_phs_rot_sta_ofs2       0000001f
0x8181a620: 08_hssrx_dfe_ctl_PHY            00000002    0x8181a624:
09_hssrx_dfe_smpl_snap1         00000000
0x8181a628: 0A_hssrx_dfe_smpl_snap2         00008000    0x8181a62c:
0B_hssrx_vga_ctl1               000041e4
0x8181a630: 0C_hssrx_vga_ctl2               00007a95    0x8181a634:
0D_hssrx_vga_ctl3               000009e4
0x8181a638: 0E_hssrx_pwr_mgmnt_ctl          0000001f    0x8181a63c:
0F_hssrx_iqamp_ctl1             0000001c
0x8181a640: 10_hssrx_iqamp_ctl2             00000005    0x8181a644:
11_hssrx_dacap_dacan_sel        00000003
0x8181a648: 12_hssrx_dacap_dacan            000034ca    0x8181a64c:
13_hssrx_daca_min               00000d26
0x8181a650: 14_hssrx_adac_ctl               00004546    0x8181a654:
15_hssrx_ac_cp_ctl              000031c3
0x8181a658: 16_hssrx_ac_cp_val              00008049    0x8181a65c:
17_hssrx_dfe_h1h2h3_lcl_off_ch  00000014
0x8181a660: 18_hssrx_dfe_h1h2h3_lcl_off_val 00000002    0x8181a664:
19_hssrx_peaked_intg            000000ff
0x8181a668: 1A_hssrx_cdr_analog_sw          0000ce00    0x8181a66c:
1B_hssrx_peaking_amp_init_c_PHY 00000000
0x8181a670: 1C_hssrx_dac_dpc                00000027    0x8181a674:
1D_hssrx_ddc                    00004240
0x8181a678: 1E_hssrx_int_stat_PHY           0000ec9f    0x8181a67c:
1F_hssrx_dfe_func_ctl1_PHY      0000ffff
0x8181a680: 20_hssrx_dfe_func_ctl2_INV      00007ebf    0x8181a684:
21_hssrx_ofs_ch_dcc_qcc_idx     00002000
0x8181a688: 22_hssrx_dfe_ofs_val            00007979    0x8181a68c:
23_hssrx_h_coeff_bist           00000401
0x8181a690: 24_hssrx_ac_cap_bist            00000000    0x8181a694:
25_hssrx_max_gain_path_idx_res  00007829
0x8181a698: 26_hssrx_loff_ctl               00000044    0x8181a69c:
27_hssrx_sigdet_ctl             000027a0
0x8181a6a0: 28_hssrx_ana_ctl_sw             00000000    0x8181a6a4:
29_hssrx_intg_dac_ofs           0000a9db
0x8181a6a8: 2A_hssrx_eye_ctl                00004400    0x8181a6ac:
2B_hssrx_eye_met                00000004
0x8181a6b0: 2C_hssrx_eye_met_err_cnt        00000000    0x8181a6b4:
2D_hssrx_eye_met_pdf_eyec       00000000
```

```
0x8181a6b8: 2E_hssrx_eye_met_pat_len        0000007f    0x8181a6bc:
2F_hssrx_dfe_func_ctl3          0000dfff
0x8181a6c0: 30_hssrx_dfe_tap_ctl_idx_ptr    00000008    0x8181a6c4:
31_hssrx_dfe_tap                00003021
0x8181a6c8: 32_hssrx_lte_ctl_TUNE           00000600    0x8181a6e4:
39_hssrx_int_stat2              000041ff
0x8181a6e8: 3A_hssrx_ac_cpl_cur_src_adj     00000042    0x8181a6ec:
3B_hssrx_dcd_ctl                00007c46
0x8181a6f0: 3C_hssrx_dcc_ctl                00000d00    0x8181a6f4:
3D_hssrx_qcc_ctl                00006989
0x8181a6f8: 3E_hssrx_mac_test_ctl2          00000000    0x8181a6fc:
3F_hssrx_mac_test_ctl1          00000000
0x8181a648: 12_hssrx_dacap_dacan[02]                3bc5 34ca
0x8181a660: 18_hssrx_dfe_h1h2h3_lcl_off_va[00]      003f 003f   023f
0101   3f02 3c01   0000 013e
0x8181a660: 18_hssrx_dfe_h1h2h3_lcl_off_va[08]      3f3f 3e01   3f01
3e01   3e3f 3f02   3f03 0001
0x8181a660: 18_hssrx_dfe_h1h2h3_lcl_off_va[16]      3e3e 3e00   0002
0002   0002
0x8181a688: 22_hssrx_dfe_ofs_val[00][00]            7979 0000   7d7c
0000   037b 0000
0x8181a688: 22_hssrx_dfe_ofs_val[03][00]            0308 0000   7e03
0000   7f00 0000
0x8181a688: 22_hssrx_dfe_ofs_val[06][00]            7b09 007f   027b
7f00   7a7f 0000
0x8181a688: 22_hssrx_dfe_ofs_val[09][00]            057d 7f00   0a7f
7f00   7a7e 0000
0x8181a688: 22_hssrx_dfe_ofs_val[12][00]            0101 0000   7c01
0000   7f7d 0000
0x8181a688: 22_hssrx_dfe_ofs_val[15][00]            047b 0000   787b
0000   7d07 007f
0x8181a688: 22_hssrx_dfe_ofs_val[18][00]            0104 7f00   000c
0000   0005 0000
0x8181a688: 22_hssrx_dfe_ofs_val[21][00]            0005 0000   0005
0000   0005 0000
0x8181a688: 22_hssrx_dfe_ofs_val[24][00]            0204 017f   0502
7f7f   7b7d 0000
0x8181a694: 25_hssrx_max_gain_path_idx_res[00]      0056 084b   1002
1892   20cf 2895   307d 38d2
0x8181a694: 25_hssrx_max_gain_path_idx_res[08]      40af 487f   5072
5800   6040 683a   70c6 7829
0x8181a6c4: 31_hssrx_dfe_tap[00]                    fffe 8081   4242
2121   0011 0023   2223 3022
0x8181a6c4: 31_hssrx_dfe_tap[08]                    3022 3030   2211
0c0f
0x8181a6e8: 3A_hssrx_ac_cpl_cur_src_adj[00]         0042 0042   0042
0042
0x8181a6ec: 3B_hssrx_dcd_ctl[00]                    7c46 5c00   7c87
5c00   7c00
0x8181a6f0: 3C_hssrx_dcc_ctl[00]                    0d00 0d81   0d81
0d42
0x8181a6f4: 3D_hssrx_qcc_ctl[00]                    698a 6989

xfipcs, fec, aec, & aet registers
```

```
================================
0x81cf0400: xfipcs_reg              [00] 00002040 00000004 00000000
00000000    00000001 00000008 00000000 00000000
0x81cf0420: xfipcs_reg              [08] 00008001 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81cf0440: xfipcs_reg              [16] 00000000 00000000 00000000
00000000    00000040 00000000 00000000 00000000
0x81cf0460: xfipcs_reg              [24] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81cf0480: xfipcs_reg              [32] 00001005 00008000 00000000
00000000    00000000 00000000 00000000 00000000
0x81cf0620: fec_32g_128g_reg        [08] 00000000 00008003 00000000
00000000    00000000 00000000 00000000
0x81cf0648: fec_32g_128g_reg        [18] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81cf0a00: aec_reg                 [00] 00000000 00000000 00000000
00000000    00000740 00000000 00000040 000024a2
0x81cf0c00: aet_reg                 [00] 000000b0 00007000 000008c4
00000000    00000000

bbc registers
=============
0x81cf1800: bbc_trc                 4    0    2    2    2    2    1
1
0x81cf1840: bbc_trc                 2    2    2    2    2    2    2
0
0x81cf1880: bbc_trc                 0    0    0    0    0    0    0
0
0x81cf18c0: bbc_trc                 0    0    0    0    0    0    0
0
0x81cf1900: bbc_trc                 0    0    0    0    0    0    0
0
0x81cf1804: bbc_mbc                 0    0    3    3    3    3    0
0
0x81cf1844: bbc_mbc                 0    0    3    3    3    3    3
0
0x81cf1884: bbc_mbc                 0    0    0    0    0    0    0
0
0x81cf18c4: bbc_mbc                 0    0    0    0    0    0    0
0
0x81cf1904: bbc_mbc                 0    0    0    0    0    0    0
0
0x81cf1a00: bbc_rcc                 0    0    0    0    0    0    0
0
0x81cf1a20: bbc_rcc                 0    0    0    0    0    0    0
0
0x81cf1a40: bbc_rcc                 0    0    0    0    0    0    0
0
0x81cf1a60: bbc_rcc                 0    0    0    0    0    0    0
0
0x81cf1a80: bbc_rcc                 0    0    0    0    0    0    0
0
0x81cf1c00: bbc_rqc                 0    0    0    0    0    0    0
0
```

```
0x81cf1c20: bbc_rqc                 0    0    0    0    0    0    0
0
0x81cf1c40: bbc_rqc                 0    0    0    0    0    0    0
0
0x81cf1c60: bbc_rqc                 0    0    0    0    0    0    0
0
0x81cf1c80: bbc_rqc                 0    0    0    0    0    0    0
0
0x81cf1d00: bbc_fbpc                00000000    0x81cf1d04: bbc_csc
00000006
0x81cf1d08: bbc_rcc_inc             00000000    0x81cf1d0c:
bbc_rqc_inc             00000000
0x81cf1d10: bbc_fbpc_inc            00000000    0x81cf1d14:
bbc_tmc_inc             00000000
0x81cf1d18: bbc_threshold           00000001    0x81cf1d1c:
bbc_counter_clr         00000000
0x81cf1d20: bbc_debug_en            00000000    0x81cf1d24: bbc_ctrl
00200120
0x81cf1d28: bbc_rqc_rcc_thresh      00000055    0x81cf1d34:
bbc_bb_sc_n             00000008
0x81cf1d38: bbc_crd_reco_debug      00000000    0x81cf1d3c:
bbc_crd_reco_debug_data 00000000
0x81cf1d40: bbc_multi_frm_loss_cnt  00000000    0x81cf1d44:
bbc_multi_rdy_loss_cnt  00000000
0x81cf1d48: bbc_1frm_loss_recov_cnt 00000000    0x81cf1d4c:
bbc_1rdy_loss_recov_cnt 00000000
0x81cf1d58: bbc_int_status          00000000    0x81cf1d5c:
bbc_int_set             00000000
0x81cf1d60: bbc_int_first           00000000    0x81cf1d64:
bbc_frm_rdy_rx_err_addr 00000000
0x81cf1d68: bbc_frm_rdy_tx_err_addr 00000000    0x81cf1d6c:
bbc_trc_mbc_err_addr    00000000
0x81cf1d70: bbc_frm_rdy_rx_dbl_ecc  00000000    0x81cf1d74:
bbc_frm_rdy_tx_dbl_ecc  00000000
0x81cf1d78: bbc_trc_mbc_dbl_ecc     00000000
0x81cf1d7c: bbc_fsm_status          00001011    0x81cf1d80:
bbc_force_err           00000000
0x81cf1d84: bbc_crdt_avail0         00007ffd    0x81cf1d88:
bbc_crdt_avail1         00000000
0x81cf1d8c: bbc_scratch             00000000

FPS registers
=============
0x81cf0004: fps_er_enc_in           00000000    0x81cf0008:
fps_er_crc              00000000
0x81cf000c: fps_er_trunc            00000000    0x81cf0010:
fps_er_toolong          00000000
0x81cf0014: fps_er_bad_eof          00000000    0x81cf0018:
fps_er_enc_out          00000000
0x81cf001c: fps_er_bad_os           00000000    0x81cf0020:
fps_er_flush            00000000
0x81cf0024: fps_er_ifg              00000000    0x81cf0038:
fps_er_crc_good_eof     00000000
0x81cf003c: fps_inv_arb             00000000    0x81cf0040:
```

```
fps_slow_sts_status     00000000
0x81cf0044: fps_tx_frm_cnt          0f99c9f2    0x81cf0048:
fps_rx_frm_cnt          0efc70e2
0x81cf0050: fps_tx_word_cnt_hi      00000018    0x81cf004c:
fps_tx_word_cnt_lo      32eae8bf
0x81cf0058: fps_rx_word_cnt_hi      00000019    0x81cf0054:
fps_rx_word_cnt_lo      2a1bffdf

BAL registers
=============
0x81cf7000: bal_desired_buf         00000022    0x81cf7004:
bal_alloc_buf           00000022
0x81cf7008: bal_busy_buf            00000002    0x81cf700c:
bal_usable_buf          00000022
0x81cf7010: bal_max_bor_buf         00000000
0x81cf7014: bal_busy_buf_thresh     00000002

TXQ registers
=============
0x81cf3004: txq_phys_port_ctl       004e0000
0x81cf3050: txq_link_skew           00000000
0x81cf3068: txq_cr_lk_dttn_intr_sts [00] ffff8002 000000ff
0x81cf3070: txq_cr_lk_dttn_intr_en  [00] 00007f3d 00000000
0x81cf3024: txq_disc_frm_trap_cnt   00000014

FDS registers
=============
0x81cf4000: fds_rxf_ctl             00000008    0x81cf4004:
fds_rxf_wait_thresh     00000c06
0x81cf4018: fds_rxf_first_error     00000000    0x81cf401c:
fds_rxf_first_error_info00000000
0x81cf4020: fds_rxf_inout_pkt_cnt   99be99be
0x81cf4008: fds_rxf_err_int_status  00000000    0x81cf4024:
fds_rxf_fifo_status     00488888
0x81cf5000: fds_txf_ctl             00000008    0x81cf5004:
fds_txf_wait_ifg_thresh 00a00106
0x81cf5008: fds_txf_err_int_status  00000000    0x81cf5024:
fds_txf_fifo_status     00088888
0x81cf502c: fds_txf_bbc_scs         00000018

Logical TXQ registers
=====================
0x81cf3000: txq_log_port_ctl        00000011    0x81cf3008:
txq_port_status         00000000
0x81cf300c: txq_todo_flags          [00] 00000000 00000000
0x81cf3014: txq_spd_match_desc      [00] 00000000 19f519f5 00000000
00000000
0x81cf3024: txq_spd_match_desc      [04] 00000014
0x81cf3028: txq_vc_weight           [00] 25252501 19010125 3c3c3c19
25013c3c
0x81cf3038: txq_vc_weight           [04] 01252525 01010101 01010101
01010101
0x81cf3048: txq_vc_weight           [08] 01010101 00010101
0x81cf3054: txq_cong_dttn_ctrl      00000106
```

```
0x81cf3058: txq_cong_dttn_intr_sts  [00] 00000000 00000000
0x81cf3060: txq_cong_dttn_intr_en   [00] 00000000 00000000
0x81cf3078: txq_bw_limit_en_reg    [00] 00000000 00000000
0x81cf3080: txq_bw_gua_en_reg      [00] 00000000 00000000
0x81cf3088: txq_vc_group           [00] 03030300 03030303 03030303
03030303
0x81cf3098: txq_vc_group           [04] 03030303 03030303 03030303
03030303
0x81cf30a8: txq_vc_group           [08] 03030303 03030303 00000000
00000000
0x81cf30b0: txq_bw_thresh_group    [00] 00000000 00000000 00000000
00000000
0x81cf30c0: txq_bw_thresh_group    [04] 00000000 00000000 00000000
00000000
0x81cf30d0: txq_bw_thresh_group    [08] 00000000 00000000 00000000
00000000
0x81cf30e0: txq_bw_thresh_group    [12] 00000000 00000000 00000000
00000000
0x81cf30f0: txq_bw_thresh_group    [16] 00000000 00000000 00000000
00000000
0x81cf3100: txq_bw_thresh_group    [20] 00000000 00000000 00000000
00000000
0x81cf3110: txq_bw_thresh_group    [24] 00000000 00000000 00000000
00000000
0x81cf3120: txq_bw_thresh_group    [28] 00000000 00000000 00000000
00000000
0x81cf3130: txq_bw_thresh_group    [32] 00000000 00000000 00000000
00000000
0x81cf3140: txq_bw_thresh_group    [36] 00000000 00000000 00000000
00000000

txq Congestion detection Statistics RAM
=======================================
0x810912c0: vc[0]       00000000        0x810912c4: vc[1]
00000000
0x810912c8: vc[2]       0000025e        0x810912cc: vc[3]
000001af
0x810912d0: vc[4]       00000067        0x810912d4: vc[5]
00000030
0x810912d8: vc[6]       00000000        0x810912dc: vc[7]
00000000
0x810912e0: vc[8]       00000000        0x810912e4: vc[9]
00000000
0x810912e8: vc[10]      00000000        0x810912ec: vc[11]
00000000
0x810912f0: vc[12]      00000000        0x810912f4: vc[13]
00000000
0x810912f8: vc[14]      00000000        0x810912fc: vc[15]
00000000
0x81091300: vc[16]      00000000        0x81091304: vc[17]
00000000
0x81091308: vc[18]      00000000        0x8109130c: vc[19]
00000000
0x81091310: vc[20]      00000000        0x81091314: vc[21]
```

```
00000000
0x81091318: vc[22]      00000000        0x8109131c: vc[23]
00000000
0x81091320: vc[24]      00000000        0x81091324: vc[25]
00000000
0x81091328: vc[26]      00000000        0x8109132c: vc[27]
00000000
0x81091330: vc[28]      00000000        0x81091334: vc[29]
00000000
0x81091338: vc[30]      00000000        0x8109133c: vc[31]
00000000
0x81091340: vc[32]      00000000        0x81091344: vc[33]
00000000
0x81091348: vc[34]      00000000        0x8109134c: vc[35]
00000000
0x81091350: vc[36]      00000000        0x81091354: vc[37]
00000000
0x81091358: vc[38]      00000000        0x8109135c: vc[39]
00000000


Logical STS registers
=====================
0x81585704: sts_ftb_type1_miss      00000000
0x81585708: sts_ftb_type2_miss      00000000
0x8158570c: sts_ftb_type6_miss      00000000
0x81585710: sts_hard_zoning_miss    00000000
0x81585714: sts_lun_zoning_miss     00000000
0x8158571c: sts_unroutable          00000000
0x81582734: sts_rte_cl2             00000000    0x81582738:
sts_rte_cl3             0efb6fc5        0x8158273c: sts_rte_link_ctl
000078ab        0x81585728: sts_tx_timeout          00000000

Logical STS filter registers
=====================
0x81585680: sts_flt_trig            [00] 00000000 00000000 00000000
00000000
0x81585690: sts_flt_trig            [04] 00000000 00000000 00000000
00000000
0x815856a0: sts_flt_trig            [08] 00000000 00000000 00000000
00000000
0x815856b0: sts_flt_trig            [12] 00000000 00000000 00000000
00000000
0x815856c0: sts_flt_trig            [16] 00000000 00000000 00000000
00000000
0x815856d0: sts_flt_trig            [20] 00000000 00000000 00000000
00000000
0x815856e0: sts_flt_trig            [24] 00000000 00000000 00000000
00000000
0x815856f0: sts_flt_trig            [28] 00000000 00000000 00000000
00000000
0x81585700: sts_flt_trig            [32]

Logical STS discard registers
```

```
====================
0x81583b98: disc_mcast_wka          00000000    0x81583b9c:
disc_inv_did            00000000
0x81583ba0: disc_cl1_cl4            00000000    0x81583ba4:
disc_sid_chk_fail       00000000
0x81583ba8: disc_inv_dom_egid_txpt  00000000    0x81583bac:
disc_vft_hop_cnt_1      00000000
0x81583bb0: disc_classf             00000000    0x81583bb4:
disc_fcp_cdb_inv        00000000
0x81583bb8: disc_vfid_trap_enabled  00000000    0x81583bbc:
disc_vfid_hdr_chk_fail  00000000
0x81583bc0: disc_shim_cksum_fail    00000000    0x81583bc4:
disc_fed_edit_cmd_err   00000000
0x81583bc8: disc_ftb_vm_mode        00000000    0x81583bcc:
disc_ftb_agn_t2_miss    00000000
0x81583bd0: disc_ecb_reserved       00000000    0x81583bd4:
disc_ecb_de_pad_err     00000000
0x81583bd8: disc_ecb_de_tag_err     00000000    0x81583bdc:
disc_ecb_de_seq_err     00000000
0x81583be0: disc_ecb_err            00000000    0x81583be4:
disc_ftb_type4_match    00000000
0x81583be8: disc_fcp_rsp_ftb_type4  00000000    0x81583bec:
disc_ftb_type5_match    00000000
0x81583bf0: disc_ftb_type3_match    00000000    0x81583bf4:
disc_els_ftb_type3      00000000
0x81583bf8: disc_ftb_type1_match    00000000    0x81583bfc:
disc_els_rsp_ex_port    00000000
0x81583c00: disc_inv_drp_dps        00000000    0x81583c04:
disc_did_lookup_miss    00000000
0x81583c08: disc_ftb_type2_match    00000000    0x81583c0c:
disc_trpd_plogi_pdisc   00000000
0x81583c10: disc_type2_lookup_miss  00000000    0x81583c14:
disc_ftb_type6_match    00000000
0x81583c18: disc_els_rep_ex_port    00000000    0x81583c1c:
disc_els_sid_lkup_bit1  00000000
0x81583c20: disc_els_sid_lkup_bit0  00000000    0x81583c24:
disc_bls_frm_trap_bit1  00000000
0x81583c28: disc_ftb_token_err      00000000    0x81583c2c:
disc_asic_internal_err  00000000
0x81583c30: disc_hard_zone_miss     00000000    0x81583c34:
disc_lun_zone_miss      00000000
0x81583c38: disc_flt_frame_disc     00000000    0x81583c3c:
disc_flt_parity_err     00000000
0x81583c40: disc_frame_marked_du    00000000    0x81583c44:
disc_frame_marked_to    00000000
0x81583c48: disc_lkup_rte_prty_err  00000000


portstatsshow 36
stat_wtx                103933411890        4-byte words transmitted
stat_wrx                108080572392        4-byte words received
stat_ftx                261736786           Frames transmitted
stat_frx                251424795           Frames received
stat_c2_frx             0                   Class 2 frames received
```

```
stat_c3_frx             251359173           Class 3 frames received
stat_lc_rx              30891               Link control frames
received
stat_mc_rx              0                   Multicast frames
received
stat_mc_to              0                   Multicast timeouts
stat_mc_tx              0                   Multicast frames
transmitted
tim_txcrd_z             1188                Time TX Credit Zero
(2.5Us ticks)
tim_txcrd_z_vc  0- 3:  0          0          606         431
tim_txcrd_z_vc  4- 7:  103        48         0           0
tim_txcrd_z_vc  8-11:  0          0          0           0
tim_txcrd_z_vc 12-15:  0          0          0           0
lat_tot_pkt_vc  0- 3:  1          1          1           1
lat_tot_pkt_vc  4- 7:  1          1          1           1
lat_tot_pkt_vc  8-11:  1          1          1           1
lat_tot_pkt_vc 12-15:  1          1          1           1
lat_hi_time_vc  0- 3:  0          0          0           0
lat_hi_time_vc  4- 7:  0          0          0           0
lat_hi_time_vc  8-11:  0          0          0           0
lat_hi_time_vc 12-15:  0          0          0           0
lat_lo_time_vc  0- 3:  1          1          1           1
lat_lo_time_vc  4- 7:  1          1          1           1
lat_lo_time_vc  8-11:  1          1          1           1
lat_lo_time_vc 12-15:  1          1          1           1
max_latency_vc  0- 3:  1          1          1           1
max_latency_vc  4- 7:  1          1          1           1
max_latency_vc  8-11:  1          1          1           1
max_latency_vc 12-15:  1          1          1           1
latency_dma_ts          09-09-2024 UTC Mon 08:47:24            TXQ
Latency DMA TimeStamp
fec_cor_detected        5642                Count of blocks that
were corrected by FEC
fec_uncor_detected      0                   Count of blocks that
were left uncorrected by FEC
er_enc_in               0                   Encoding errors inside
of frames
er_crc                  0                   Frames with CRC errors
er_trunc                0                   Frames shorter than
minimum
er_toolong              0                   Frames longer than
maximum
er_bad_eof              0                   Frames with bad end-of-
frame
er_enc_out              0                   Encoding error outside
of frames
er_bad_os               0                   Invalid ordered set
er_pcs_blk              0                   PCS block errors
er_rx_c3_timeout        0                   Class 3 receive frames
discarded due to timeout
er_tx_c3_timeout        0                   Class 3 transmit frames
discarded due to timeout
er_unroutable           0                   Frames that are
```

```
unroutable
er_unreachable          0                   Frame with unreachable
destination
er_other_discard        0                   Other discards
er_type1_miss           0                   frames with FTB type 1
miss
er_type2_miss           0                   frames with FTB type 2
miss
er_type6_miss           0                   frames with FTB type 6
miss
er_zone_miss            0                   frames with hard zoning
miss
er_lun_zone_miss        0                   frames with LUN zoning
miss
er_crc_good_eof         0                   Crc error with good eof
er_inv_arb              0                   Invalid ARB
er_single_credit_loss   0                   Single vcrdy/frame loss
on link
er_multi_credit_loss    0                   Multiple vcrdy/frame
loss on link
other_credit_loss       0                   Link timeout/complete
credit loss
phy_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
phy_port stats clear
lgc_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
lgc_port stats clear
fec_corrected_rate      2.17e-02            FEC Corrected blocks per
second

portstats64show 36
stat64_wtx      24          top_int : 4-byte words transmitted
                853234326   bottom_int : 4-byte words transmitted
stat64_wrx      25          top_int : 4-byte words received
                704402559   bottom_int : 4-byte words received
stat64_ftx      0           top_int : Frames transmitted
                261734215   bottom_int : Frames transmitted
stat64_frx      0           top_int : Frames received
                251420484   bottom_int : Frames received
stat64_c2_frx   0           top_int : Class 2 frames received
                0           bottom_int : Class 2 frames received
stat64_c3_frx   0           top_int : Class 3 frames received
                251358401   bottom_int : Class 3 frames received
stat64_lc_rx    0           top_int : Link control frames received
                30891       bottom_int : Link control frames
received
stat64_mc_rx    0           top_int : Multicast frames received
                0           bottom_int : Multicast frames received
stat64_mc_to    0           top_int : Multicast timeouts
                0           bottom_int : Multicast timeouts
stat64_mc_tx    0           top_int : Multicast frames transmitted
                0           bottom_int : Multicast frames
transmitted
tim64_rdy_pri   0           top_int : Time R_RDY high priority
                0           bottom_int : Time R_RDY high priority
```

```
tim64_txcrd_z   0           top_int : Time BB_credit zero
                1188        bottom_int : Time BB_credit zero
er64_enc_in     0           top_int : Encoding errors inside of
frames
                0           bottom_int : Encoding errors inside of
frames
er64_crc        0           top_int : Frames with CRC errors
                0           bottom_int : Frames with CRC errors
er64_trunc      0           top_int : Frames shorter than minimum
                0           bottom_int : Frames shorter than minimum
er64_toolong    0           top_int : Frames longer than maximum
                0           bottom_int : Frames longer than maximum
er64_bad_eof    0           top_int : Frames with bad end-of-frame
                0           bottom_int : Frames with bad end-of-
frame
er64_enc_out    0           top_int : Encoding error outside of
frames
                0           bottom_int : Encoding error outside of
frames
er64_disc_c3    0           top_int : Class 3 frames discarded
                0           bottom_int : Class 3 frames discarded
er64_pcs_blk    0           top_int : PCS block errors
                0           bottom_int : PCS block errors
stat64_fec_uncor        0           top_int : FEC uncorrected errors
detected
                        0           bottom_int : FEC uncorrected
errors detected
stat64_rateTxFrame      1320        Tx frame rate (fr/sec)
stat64_rateRxFrame      2131        Rx frame rate (fr/sec)
stat64_rateTxPeakFrame  0           Tx peak frame rate (fr/sec)
stat64_rateRxPeakFrame  0           Rx peak frame rate (fr/sec)
stat64_rateTxWord       530439      Tx Word rate (words/sec)
stat64_rateRxWord       997854      Rx Word rate (words/sec)
stat64_rateTxPeakWord   0           Tx peak Word rate (words/sec)
stat64_rateRxPeakWord   0           Rx peak Word rate (words/sec)
stat64_PRJTFrames       0           top_int : Number of PRJT frames
returned to this port
                        0           bottom_int : Number of PRJT
frames returned to this port
stat64_PBSYFrames       0           top_int : Number of PBSY frames
returned to this port
                        0           bottom_int : Number of PBSY
frames returned to this port
stat64_inputBuffersFull 0           top_int : Number of occurrences
when all input buffers full
                        0           bottom_int : Number of
occurrences when all input buffers full
stat64_rxClass1Frames   0           top_int : Number of class 1
frames received
                        0           bottom_int : Number of class 1
frames received
stat64_aveTxFrameSize   401         Average Tx Frame size
stat64_aveRxFrameSize   468         Average Rx Frame size
Lr_in           0           top_int
```

```
                0           bottom_int
Ols_in          0           top_int
                0           bottom_int
Lr_out          0           top_int
                0           bottom_int
Ols_out         0           top_int
                0           bottom_int
Link_failure    0           top_int
                0           bottom_int
Invalid_CRC     0           top_int
                0           bottom_int
Invalid_word    0           top_int
                0           bottom_int
Protocol_err    0           top_int
                0           bottom_int
Loss_of_sig     0           top_int
                0           bottom_int
Loss_of_sync    0           top_int
                0           bottom_int
er_bad_os       0           top_int : Invalid ordered set
                0           bottom_int: Invalid ordered set


portrouteshow 36
port address ID: 0x012400
external unicast routing table:
   0: Embedded
 255: Embedded
internal unicast routing table:

portcamshow 36
-------------------------------------------------
Port  SID used  DID used  SID entries  DID entries
36     0         0         000000       000000
-------------------------------------------------

ptbufshow, ptcreditshow, ptdatashow, ptstatsshow 36
S:
S:VF Enable:            1
S:
S:C4 Global Variable:
S:-------------------------------------------------------------------
---------
S:trace_stop:           0
S:
S:C4 Phy Data Pointers: c4_phyp = 0xb6af4100
S:-------------------------------------------------------------------
---------
S:tnodep                        0xbb84dd20      pt
        0x4302801e
S:proto_phyp            0xb880c000      phy_cfg
0xb6af5140
S:c4_chp                        0x97e28000      c4_lgcp
0x97fc0000
```

```
S:c4_phy_regp           0x81cf0000      proc_dir
0xb851f0a0
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4345678      num_port_timer          12
S:prev_if_id            0x4302001e      S:ftx
261736786       tov                     0
S:initialized           1               port_idx                30
S:ui_idx                        36              slot_no
        0
S:blade_idx             30              sw_usr_ports            400
S:unused                        0               intr_debounced
        0
S:aec_status            0x0             reason_code
        0
S:debug                 0x00000004      debug_trc_line          0
S:rxbuf_list_head       0xffffffff      rxbuf_list_tail
0x30c7
S:isAePort                      0               port_misc_data
                0
S:num_fault1_rx_disc    0               num_fault2_rx_disc      0
S:p_lli_cause0          1               p_sig_regained          0
S:p_sync_regained               1               enc_out
        0x0
S:cached_fps_status     0               cached_sts_status       0
S:cached_er_crc_good_eof        0
S:cached_er_bad_os      0               cached_er_too_long      0
S:cached_er_trunc       0
cached_tot_er_crc_good_eof      0
S:num_pt_excess_intr    0               num_no_fid              0
S:num_fault1_cnt                0               num_fault2_cnt
        0
S:num_fault_lip         0               num_fault_lli           0
S:num_fault_rx_fifo     0               num_fault_hss           0
S:num_fault_bwait               0               lli_intr_prim
        0
S:num_sw_link_to                0
be_link_err_mon_count           0
S:ecb_enc_enabled               0               ecb_comp_enabled
                0
S:ecb_rsv_enc           0               ecb_rsv_comp            0
S:ecb_enc_bm            0x0             ecb_key_index
0xffffffff
S:fab_idx               0
S:num_be_lto            0               lto_count_reset_intvl
        0
S:lr_count_reset_intvl          0               num_be_lr
        0
S:num_fault_qsfp                0               check_lto
        0
S:credit_loaded         0               num_credit_overrun
        0
S:fec_enabled           0x1             fec_los_to_flag         0x1
S:phy_stats_clear_ts            1725611419      pcs_err_online
```

```
        0
S:pcs_err_light_det             0               pcs_err_ignore
        0
S:pcs_blk_err           0               pcs_hiber               0
S:phy_port_status               2               ecb_enc_lr_count
                0
S:dport_mode            0               avoid_lto_det           0
S:sn_debounced          0x0             sn_started_kr_reqd      1
S:major_timer_started   0x0             ready_bm                0x0
S:parln_1_bm            0x0             parln_0_bm              0x0
S:be_los_of_sync_event_intvl            0
be_los_of_sync_event            0
S:erratePtenable_cntr           0               errataPoll_cntr
        0
S:jda_rx_sig_loss_det           0               jda_rx_sig_loss_cnt
                0
S:encrypt_blk_error             0
S:
S:      c4_trunk
S:======================================
S:mark_ts               0x0             deskew                  0x0
S:master_phyp           0x0
S:
S:adelay[00]: 0x00000000 0x00000000 0x00000000 0x00000000
S:adelay[04]: 0x00000000 0x00000000 0x00000000 0x00000000
S:
S:      c4_buf
S:======================================
S:tx_csc                        6               rx_csc
        6
S:ld_vc_credits         0               tx_flag
0x100
S:alloc_buffers         34              req_buffers             34
S:est_buffers           20              ld_use_est              0
S:bb_sc_n                       8               rx_bb_sc_n
        8
S:data_cr                       5               nondata_cr
        6
S:cr_enable             0
S:ld_nondata_cr         6               tnodep
0xbb84de00
S:tx_credits[0] 4    0    2    2    2    2    1    1
S:tx_credits[8] 2    2    2    2    2    2    2    0
S:tx_credits[16]        0    0    0    0    0    0    0    0
S:tx_credits[24]        0    0    0    0    0    0    0    0
S:tx_credits[32]        0    0    0    0    0    0    0    0
S:rx_credits[0] 4    0    2    2    2    2    1    1
S:rx_credits[8] 2    2    2    2    2    2    2    0
S:rx_credits[16]        0    0    0    0    0    0    0    0
S:rx_credits[24]        0    0    0    0    0    0    0    0
S:rx_credits[32]        0    0    0    0    0    0    0    0
S:tx_mbc[0]     0    0    3    3    3    3    0    0
S:tx_mbc[8]     0    0    3    3    3    3    3    0
S:tx_mbc[16]    0    0    0    0    0    0    0    0
```

```
S:tx_mbc[24]    0    0    0    0    0    0    0    0
S:tx_mbc[32]    0    0    0    0    0    0    0    0
S:rx_mbc[0]     0    0    3    3    3    3    0    0
S:rx_mbc[8]     0    0    3    3    3    3    3    0
S:rx_mbc[16]    0    0    0    0    0    0    0    0
S:rx_mbc[24]    0    0    0    0    0    0    0    0
S:rx_mbc[32]    0    0    0    0    0    0    0    0
S:
S:C4 Chip Variables: c4_phyp->c4_chp = 0x97e28000
S:-----------------------------------------------------------------
---------
S:version = 2.1
S:magic_id              0xc4234567      init_state              0x8
S:reset_reg_mem         0x1
S:ch_int0_en_bm         0x0             intr0_cause             0x0
S:ch_int1_en_bm         0x0             intr1_cause             0x0
S:ch_int2_en_bm         0x0             intr2_cause             0x0
S:ch                    0x43010080      ch_cfg
0xb7013ba0
S:raslog_hndl.hndl      0x0             obj_halted              0x0
S:c4_chip_regp          0x80000000      c4_fpg_regp
0x81800000
S:num_chip_timer        0x5
S:hi_task_bm            0x0             lo_task_bm              0x0
S:c4_deferq.q_head      0x0             c4_deferq.q_tail        0x0
S:c4_tmrq.q_head        0x0             c4_tmrq.q_tail          0x0
slot_no                 0
S:chip_inst             0               chip_idx                0
S:pll_initialized               1
pll_serdes_initialized  1
S:init_tries            0               init_ptEnableBM
0xba01b488
S:tick_polling          0xb980c9c0      sec_polling
0xb980c960
S:bb_fid                        129
S:ecb_key_bm[0]         0x0             ecb_key_bm[1]           0x0
S:ecb_key_bm[2]         0x0             ecb_key_bm[3]           0x0
S:is_chip_enc_enabled                   0
is_chip_comp_enabled    0x0
S:ftb_rsrcp->ftb_flags  0x0             act_rsrcp->act_flag     0x1
S:lue_rsrcp->lue_flags[0]       0x0             lue_rsrcp-
>lue_flags[1]   0x0
S:c4_phyp[00]: 0xb6ab0000 0xb6ab2080 0xb6ab4100 0xb6ab6180
S:c4_phyp[04]: 0xb6ab9040 0xb6abb0c0 0xb6abd140 0xb6ac0000
S:c4_phyp[08]: 0xb6ac2080 0xb6ac4100 0xb6ac6180 0xb6ac9040
S:c4_phyp[12]: 0xb6acb0c0 0xb6acd140 0xb6ad0000 0xb6ad2080
S:c4_phyp[16]: 0xb6ad4100 0xb6ad6180 0xb6ad9040 0xb6adb0c0
S:c4_phyp[20]: 0xb6add140 0xb6ae0000 0xb6ae2080 0xb6ae4100
S:c4_phyp[24]: 0xb6ae6180 0xb6ae9040 0xb6aeb0c0 0xb6aed140
S:c4_phyp[28]: 0xb6af0000 0xb6af2080 0xb6af4100 0xb6af6180
S:c4_phyp[32]: 0xb6af9040 0xb6afb0c0 0xb6afd140 0xb6b00000
S:c4_phyp[36]: 0xb6b02080 0xb6b04100 0xb6b06180 0xb6b09040
S:c4_phyp[40]: 0xb6b0b0c0 0xb6b0d140 0xb6b10000 0xb6b12080
S:c4_phyp[44]: 0xb6b14100 0xb6b16180 0xb6b19040 0xb6b1b0c0
```

```
S:c4_phyp[48]: 0xb6b1d140 0xb6b20000 0xb6b22080 0xb6b24100
S:c4_phyp[52]: 0xb6b26180 0xb6b29040 0xb6b2b0c0 0xb6b2d140
S:c4_phyp[56]: 0xb6b30000 0xb6b32080 0xb6b34100 0xb6b36180
S:c4_phyp[60]: 0xb6b39040 0xb6b3b0c0 0xb6b3d140 0xb6b40000
S:c4_lgcp[00]: 0x97f48000 0x97f4c000 0x97f50000 0x97f54000
S:c4_lgcp[04]: 0x97f58000 0x97f5c000 0x97f60000 0x97f64000
S:c4_lgcp[08]: 0x97f68000 0x97f6c000 0x97f70000 0x97f74000
S:c4_lgcp[12]: 0x97f78000 0x97f7c000 0x97f80000 0x97f84000
S:c4_lgcp[16]: 0x97f88000 0x97f8c000 0x97f90000 0x97f94000
S:c4_lgcp[20]: 0x97f98000 0x97f9c000 0x97fa0000 0x97fa4000
S:c4_lgcp[24]: 0x97fa8000 0x97fac000 0x97fb0000 0x97fb4000
S:c4_lgcp[28]: 0x97fb8000 0x97fbc000 0x97fc0000 0x97fc4000
S:c4_lgcp[32]: 0x97fc8000 0x97fcc000 0x97fd0000 0x97fd4000
S:c4_lgcp[36]: 0x97fd8000 0x97fdc000 0x97fe0000 0x97fe4000
S:c4_lgcp[40]: 0x97fe8000 0x97fec000 0x97ff0000 0x97ff4000
S:c4_lgcp[44]: 0x97ff8000 0x97ffc000 0x8e000000 0x8e004000
S:c4_lgcp[48]: 0x8e008000 0x8e00c000 0x8e010000 0x8e014000
S:c4_lgcp[52]: 0x8e018000 0x8e01c000 0x8e020000 0x8e024000
S:c4_lgcp[56]: 0x8e028000 0x8e02c000 0x8e030000 0x8e034000
S:c4_lgcp[60]: 0x8e038000 0x8e03c000 0x8e040000 0x8e044000
S:chip_timers[00]: 0xb980c720 0xb980c780 0xb980c7e0 0xb980c840
S:chip_timers[04]: 0xb980c8a0 0xb980c900
S:disc_trap_enable_required     0x0             rxlp_disc_log_stop
        0x0
S:curr_rxlp_frm_cnt     0x0             curr_rxlp_disc_frm_cnt  0x0
S:sw_disc_frm_cnt       0x0             last_disc_frm_cnt       0x0
S:txq_nopop_pr_cnt      0x0             pollErrataDfe_ptBM
0xba01b4b0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][0]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][1]  0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][2]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][0] 0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][1]       0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][2] 0x0
S:
S:C4 Logical Port Variables
S:-----------------------------------------------------------------
---------
S:c4_lgc_regp           0x81cf0000
S:c4_phyp:
S:      0xb6af4100      0x0             0x0             0x0

S:      0x0             0x0             0x0             0x0

S:master_phyp           0xb6af4100      if_id
0x4302001e
S:min_phyp              0x0             max_phyp                0x0
S:num_phy_ports         1               lgc_num                 30
S:num_iu_to             0               sw_txq_bm
        0
S:port_fid              128             unused                  0
S:port_group            3               lgc_stats_clear_ts
                1725611419
S:domain_tbl_sel                94              area_tbl_sel
```

```
        30
S:egid_tbl_sel          2
S:serv_lo_bm            0x0
S:
S:Proto Phy Variables:
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4123456      asic_phyp
0xb6af4100
S:port_id                       0x4302801e      phy_cfg
        0xb6af5140
S:upsm_hdl              0xb8019aa0      physm_hdl
0xb8019820
S:ov_snsm_hdl           0xb80196e0      sw_snsm_hdl
0xb8019780
S:ov_lksm_hdl           0xb80198c0      sw_lksm_hdl
0xb8019960
S:trksm_hdl             0xb8019a00      lr_flag         0x0
S:lr_active             0x0             qsfp_txrx_rate_sel
        0x0
S:
S:UPSM      UP24: UPST_E_PORT           --> UP26: UPST_TRUE_E_PORT
S:SNSM(OV)  SN02: OV_SNST_HW_NEG        --> SN04: OV_SNST_NEGOTIATED
S:SNSM(SW)  SW00: SW_SNST_STAGE_WS      --> SW00: SW_SNST_STAGE_WS
S:PHYSM     PP04: PHYST_NO_SYNC         --> PP05: PHYST_IN_SYNC
S:LKSM(OV)  LK06: OV_LKST_HW_RESET      --> LK04: OV_LKST_ACTIVE
S:LKSM(SW)  SW13: INACTIVE              --> SW13: INACTIVE
S:TRKSM     TRK0: TRKST_INIT            --> TRK0: TRKST_INIT
S:
S:physm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb880c000      physm_hdl
0xb8019820
S:force_offline         0               copper                  0
S:fault_reason          0: UNKNOWN
S:phy_media_present             1
S:
S:snsm variables:
S:-------------------------------------------------------------------
---------
S:speed                 0x8             proto_phyp
0xb880c000
S:hw_sn_tries_left      0x64            sw_sn_tries_left        0x0
S:curr_txsp_count               0x0
S:tx_max                        0x0             curr_tx_indx
        0x0
S:curr_tx                       0x0             curr_rxsp_count
        0x0
S:rx_max                        0x0             curr_rx_indx
        0x0
S:curr_rx                       0x0             rx_mem
        0x0
S:rxsp_rec_count                0x0
```

```
S:nc_start              0x0             tx_start                0x0
S:sync_start            0x0             sync_present            0x0
S:diag_auto             0x0             diag_speed              0xff
S:striped_wd_tov                3000            hw_wd_tov
        3000
S:step                  0x0             qsfp28_speed_mode
        0x0
S:qsfp_mode0_hw_sn_tries_left           0x0
S:qsfp_mode1_hw_sn_tries_left           0x0
S:
S:lksm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb880c000      ov_lksm_hdl
0xb80198c0
sw_lksm_hdl             0xb8019960
num_lf1                 0
S:hw_link_tries_left    9               sw_link_tries_left      5
S:buf_ptype             0x3             stored_entry_state      0x1
S:handshake_owner               0x1             mark_unsent
        0x0
S:busybuf_stuck         0x0             lr_wait                 0x0
S:
S:trksm variables:
S:-------------------------------------------------------------------
---------
S:Not a trunk port
S:
S:upsm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb880c000      upsm_hdl
0xb8019aa0
S:bb_credits            0               port_beacon             0
S:port_diag_flag                0               force_offline
        0
S:port_fault_rsn                0: PORT_NO_FAULT
S:retry_init_rsn                0: UNKNOWN
S:linit_reason          0               linit_result            0
S:ie_fctl_mode          4               fec_in_sync_tries_left  4
S:retry_sn_fail_init    0
retry_link_fail_init    0
S:excess_lr_count       0
S:
S:c4_ch_cfg
S:-------------------------------------------------------------------
---------
S:c4_desc_ring_size     256      292      256      256      292
292      2        292      292
S:thresh_def            0        16       1        0
S:intr_tries            500             cmem_pattern
0xdeadbeef
S:cmem_pattern_upwd     2               cmem_init_time          16
S:cmem_init_tries               5
```

```
S:ctrl_par_thresh               2               data_par_thresh
        4
S:cam_par_thresh                4               buf_loss_thresh
        12
S:crit_par_thresh               2               non_crit_par_thresh
        6
S:pci_abort_thresh      10              pci_err_thresh          5
S:excess_chintr_thresh  8               sw_err_thresh           20
S:err_sample_period     300             intr_sleep
20000
S:frame_timeout 2500            proxy_dev               16384
S:vf_route      81920           qos             2048
S:stats 2048            f_redirect              2048
S:rsp_trap      2048            lun_zoning              20480
S:area_mode     0               ftb_max_loop[0]         0
S:ftb_max_loop[1]       6               ftb_max_loop[2]         9
S:ftb_max_loop[3]       10              ftb_max_loop[4]         10
S:ftb_max_loop[5]       5               ftb_max_loop[6]         6
S:ftb_seg_size[0]       0               ftb_seg_size[1]
16384
S:ftb_seg_size[2]       65536           ftb_seg_size[3]
16384
S:ftb_seg_size[4]       16384           ftb_seg_size[5]
65536
S:ftb_seg_size[6]       16384           ftb_seg_base[0]         0
S:ftb_seg_base[1]       0               ftb_seg_base[2]
65536
S:ftb_seg_base[3]       16384           ftb_seg_base[4]
32768
S:ftb_seg_base[5]       131072          ftb_seg_base[6]
49152
asic_err_monitor_period1                300
asic_err_monitor_period2                86400
zone_chk_to_poll_period 25
zone_chk_class2_reject_tov              220
S:
S:c4_phy_cfg
S:-------------------------------------------------------------------
---------
S:version = 2.1
S:pt                    0x4302801e      fab_ptr
0x9a800000
S:fabattr                       0x9a8000d4      fab_iop
        0x9a800050
S:cfgbm                 0xbb84db64      port_ctrl
0xb6af5158
S:pcap.pcap_bm          0x8d215547      pcap.pcap2_bm
0x588289
S:pcap.pcap3_bm         0x1bebe0c
ui_idx                  36              S:slot_no
        0
is_icl                  0               S:sw_usr_ports          400
S:neg_speed             10 8 5 0 0 0
S:my_domain             0x1             port_mode               0x0
```

```
S:hw_sn_maxtries                100             sw_sn_maxtries
        0
S:hw_link_maxtries      10              sw_link_maxtries        5
S:rx_cyc_tov            28              rttov                   300
S:bufrdy_tov            300             busybuf_tov             286
S:mark_tov              300             lksm_tov                3000
S:buf_dealloc_wait      4               hw_wd_tov               3000
S:hw_lk_train_tov               540             hw_lk_test_tov
        150
S:syswait_tx_12_lips    1               lip_rx_tov              55
S:al_time_tov           15              lp_tov                  2000
S:intr_tries_port               500             intr_mod_debounce
        250
S:intr_lsr_flt_debounce 500             intr_efifo_debounce     100
S:port_no_fid           3               excess_ptintr_thresh    8
S:port_fault1_thresh    100             port_fault1_spur_thresh 250
S:port_fault1_disc_thresh       500
port_fault1_disc_spur_thresh    1000
S:port_fault2_thresh    5               losync_tov              100
S:port_sw_link_to               15              en_8g_scramble
        1
frc_hw_sn_mode          0x1
S:enc_poll_thresh               0               fec_enable
        0
S:fec_in_sync_to                50              fec_in_sync_try_max
        4
S:port_be_lto_threshold         100             port_be_lr_threshold
              2
S:be_cr_in_sync_to              5
port_credit_overrun_thresh              10
S:jda_sfp_losig_tov             400
jda_sfp_losig_try_max           30
S:striped_wd_tov                3000
no_sync_debounce                1200
S:
S:      fab_iop
S:=====================================
S:fab_iop->interop_mode 0x0             fab_iop->lab_mode       0x0
S:fab_iop->fl_bbc               0x0             fab_iop->fl_fan
        0x0
S:fab_iop->fl_cls               0x4             fab_iop->fl_rscn
        0x0
S:fab_iop->domain_id_offset     0x60            fab_iop-
>mcdt_fabric_mode       0x0
S:fab_iop->mcdt_default_zone            0x0             fab_iop-
>mcdt_safe_zone         0x0
S:
S:      port_ctrl
S:=====================================
S:port_ctrl.port_type   1               port_ctrl.port_grp      3
S:port_ctrl.port_number 36              port_ctrl.vc_mode       1
S:
S:      port_ctrl.lcap
S:=====================================
```

```
S:has_serdes            0               has_media               1
S:topology              1               skip_nego               0
S:skip_pnego            0               skip_init_event         0
S:en_shim                       0               speed_neg
        1
S:loop_back             0               num_speeds              5
S:fec_enable            0
S:
S:      port_ctrl.speed_list array
S:=====================================
S:speed_list[0].auto_neg  1     speed_list[0].lnk_speed  0x0000000a
S:speed_list[1].auto_neg  1     speed_list[1].lnk_speed  0x00000008
S:speed_list[2].auto_neg  0     speed_list[2].lnk_speed  0x00000006
S:speed_list[3].auto_neg  1     speed_list[3].lnk_speed  0x00000005
S:speed_list[4].auto_neg  0     speed_list[4].lnk_speed  0x00000003
S:speed_list[5].auto_neg  0     speed_list[5].lnk_speed  0x00000000
S:
S:      port_ctrl.cm
S:=====================================
S:port_ctrl.cm.num_vcs          8
S:port_ctrl.cm.min_bufs         8
S:port_ctrl.cm.cr_shar_bufs     0
S:port_ctrl.vc_alloc
S:port_ctrl.vc_alloc            2 0 1 1 1 1 1 1
S:port_ctrl.vc_alloc            0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.norm_vc_alloc
S:port_ctrl.norm_vc_alloc       4 0 5 5 5 5 1 1
S:port_ctrl.norm_vc_alloc       0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.cm.skip_bb_credit           0
S:port_ctrl.cm.use_shim_based_sublist           0
S:
S:      port_ctrl.serdes_set
S:=====================================
S:serdes_type           0x8
S:serdes_data_t.ibm_hss_serdes.tx_drive_power           0x1
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b_sign      0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_a           0x0
S:serdes_data_t.ibm_hss_serdes.rxeq                     0x0
S:
S:      cfgbm
S:=====================================
S:old_distance          0x0             gport_lockdown          0x0
S:tport                 0x1             speed                   0x0
S:disable_eport         0x0             fcacc                   0x0
S:lport_lockdown                0x0             priv_lport_lockdown
        0x0
S:vcxlt_linit           0x0             delay_flogi             0x0
S:isl_interop           0x0             distance                0x0
S:BufStarvFlag          0x0             credit_sharing          0x0
S:lport_halfduplex      0x0             lport_fairness          0x0
S:soft_neg              0x0             asn_frc_hwretry         0x0
```

```
S:cr_recov              0x0             fport_buffers           0x0
S:export                        0x0             export_mode
        0x0
S:csctl_en              0x0             mirror_port             0x0
S:fault_delay           0x0             non_dfe                 0x0
S:fec_configured*(0=ENAB)       0               fec_tts
        0
S:port_persistently_disabled (permanently) 0 (0)
S:
S:      cfg property
S:=====================================
S:priv_pcfg_bm          0x00000000      lgcl_pcfg_bm
0xbb84dba4
S:fport_buffer          0x00000000
S:
S:
S:C4 Discard Cntrs: rxlp_stats = 0xb6af44b0
S:-------------------------------------------------------------------
---------
S:disc_mcast_wka        0x0             disc_inv_did            0x0
S:disc_cl1_cl4          0x0             disc_sid_chk_fail       0x0
S:disc_inv_dom_egid_txpt        0x1d            disc_vft_hop_cnt_1
        0x0
S:disc_classf           0x0             disc_fcp_cdb_inv        0x0
S:disc_vfid_trap_enabled        0x0
disc_vfid_hdr_chk_fail  0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_ftb_vm_mode      0x0             disc_ftb_agn_t2_miss    0x0
S:disc_ecb_de_pad_err   0x0             disc_ecb_de_tag_err     0x0
S:disc_ecb_de_seq_err   0x0             disc_ecb_err            0x0
S:disc_ftb_type4_match  0x0             disc_fcp_rsp_ftb_type4  0x0
S:disc_fcp_rsp_ftb_type4        0x0             disc_ftb_type5_match
        0x0
S:disc_ftb_type3_match  0x0             disc_els_ftb_type3      0x0
S:disc_ftb_type1_match  0x0             disc_els_rsp_ex_port    0x0
S:disc_inv_drp_dps      0x0             disc_did_lookup_miss    0x0
S:disc_ftb_type2_match  0x0             disc_trpd_plogi_pdisc   0x0
S:disc_type2_lookup_miss        0x0             disc_ftb_type6_match
        0x0
S:disc_els_rep_ex_port  0x0             disc_els_sid_lkup_bit1  0x0
S:disc_els_sid_lkup_bit0        0x0
disc_bls_frm_trap_bit1  0x0
S:disc_ftb_token_err    0x0             disc_asic_internal_err  0x0
S:disc_hard_zone_miss   0x0             disc_lun_zone_miss      0x0
S:disc_flt_frame_disc   0x0             disc_flt_parity_err     0x0
S:disc_frame_marked_du  0x1             disc_frame_marked_to    0x0
E:Connection type: FE
E:Port type: E_port
E:Trunk port: No
E:Configured Speed: AUTO_SPEED_NEGO
E:Max Capable Speed: 32G
E:Current SNSM Speed: 16G
E:Hardware TX Speed: 16G (0x00000003)
```

```
E:Hardware RX Speed: 32G (0x00000040)
E:
E:Interrupts:   0           Link_failure:       0
Loss_of_sync:   0           Loss_of_sig:        0
E:Lli:          0           Invalid_word:       0
E:trapped_frm:  65821       fwd_status_ok:      65821
E:fwd_timeout:  0           fwd_tx_unavail:     0
E:fwd_unroutable:       0           fwd_zone_out:       0
E:fwd_other_err:        0           frm_err_discard:    0
E:Fltr listA:   0           Fltr listB:         0
E:Zone trap fwd:        0           Zone trap disc:     0
E:shim_csum:    0           RTE_perr:           0
E:Invalid_crc:  0           Delim_err:          0
E:Protocol_err: 0
E:Lr_in:        0           Lr_out:             0
E:Ols_in:       0           Ols_out:            0


filterportshow 36

                FILTER DATA
                -----------
Shadow settings:
   Filter Enable: 0x00000420
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
```

```
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass: 0x00000000
Real settings:
   Enable RAM: 0x00000420, 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass RAM: 0x00000000

Shadowed filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        c4_fldenable[0] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[0] = 0x00000000,c4_fltr_config[0] = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        c4_fldenable[1] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[1] = 0x00000000,c4_fltr_config[1] = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        c4_fldenable[2] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[2] = 0x00000000,c4_fltr_config[2] = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
```

```
        c4_fldenable[3] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[3] = 0x00000000,c4_fltr_config[3] = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        c4_fldenable[4] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[4] = 0x00000000,c4_fltr_config[4] = 0x00000000
Filter 5: Installed (ZONING TRAP)(LISTA)
        c4_fldenable[5] = 0x00000000 0x00000000 0x00000000
0x06007410
        c4_fldnegate[5] = 0xfd9fffff,c4_fltr_config[5] = 0x000001c0
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        c4_fldenable[6] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[6] = 0x00000000,c4_fltr_config[6] = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        c4_fldenable[7] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[7] = 0x00000000,c4_fltr_config[7] = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        c4_fldenable[8] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[8] = 0x00000000,c4_fltr_config[8] = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        c4_fldenable[9] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[9] = 0x00000000,c4_fltr_config[9] = 0x00000000
Filter 10: Installed (WELL KNOWN ADDR)(FORWARD)
        c4_fldenable[10] = 0x00000001 0x00000000 0x00000000
0x00000000
        c4_fldnegate[10] = 0xfffffffe,c4_fltr_config[10] =
0x00000054
Filter 11: Not Installed (SIM)(LISTA)
        c4_fldenable[11] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[11] = 0x00000000,c4_fltr_config[11] =
0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        c4_fldenable[12] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[12] = 0x00000000,c4_fltr_config[12] =
0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        c4_fldenable[13] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[13] = 0x00000000,c4_fltr_config[13] =
0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        c4_fldenable[14] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[14] = 0x00000000,c4_fltr_config[14] =
0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        c4_fldenable[15] = 0x00000000 0x00000000 0x00000000
```

```
0x00000000
        c4_fldnegate[15] = 0x00000000,c4_fltr_config[15] =
0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        c4_fldenable[16] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[16] = 0x00000000,c4_fltr_config[16] =
0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        c4_fldenable[17] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[17] = 0x00000000,c4_fltr_config[17] =
0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        c4_fldenable[18] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[18] = 0x00000000,c4_fltr_config[18] =
0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        c4_fldenable[19] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[19] = 0x00000000,c4_fltr_config[19] =
0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        c4_fldenable[20] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[20] = 0x00000000,c4_fltr_config[20] =
0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        c4_fldenable[21] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[21] = 0x00000000,c4_fltr_config[21] =
0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        c4_fldenable[22] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[22] = 0x00000000,c4_fltr_config[22] =
0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        c4_fldenable[23] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[23] = 0x00000000,c4_fltr_config[23] =
0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        c4_fldenable[24] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[24] = 0x00000000,c4_fltr_config[24] =
0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        c4_fldenable[25] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[25] = 0x00000000,c4_fltr_config[25] =
0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
```

```
        c4_fldenable[26] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[26] = 0x00000000,c4_fltr_config[26] =
0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        c4_fldenable[27] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[27] = 0x00000000,c4_fltr_config[27] =
0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        c4_fldenable[28] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[28] = 0x00000000,c4_fltr_config[28] =
0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        c4_fldenable[29] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[29] = 0x00000000,c4_fltr_config[29] =
0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        c4_fldenable[30] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[30] = 0x00000000,c4_fltr_config[30] =
0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        c4_fldenable[31] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[31] = 0x00000000,c4_fltr_config[31] =
0x00000000


Real filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x000e0000
Filter 5: Installed (ZONING TRAP)(LISTA)
```

```
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x06007410,
        fld negate ram = 0x019fffff, fltr config ram = 0x000e0000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 10: Installed (WELL KNOWN ADDR)(FORWARD)
        fld enable ram = 0x00000001, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x03fffffe, fltr config ram = 0x00000054
Filter 11: Not Installed (SIM)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000054
Filter 12: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
```

```
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
```

```
Filter dirty indicator: 0x00000000
Performance filters: 0
Port Mirror filters: 0 (0x0)


                FIELD DATA
                ----------

Shadowed fields:

fldoffset[0] = 0x05,fldmask[0] = 0x00,fldvalue_dyna[0]:0xff 0x00
0x00 0x00
fldcontrol[0].inuse = 0x1000000  fldcontrol[0].refcnt = 0x01 0x00
0x00 0x00
fldoffset[1] = 0x00,fldmask[1] = 0x00,fldvalue_dyna[1]:0x00 0x00
0x00 0x00
fldcontrol[1].inuse = 0x0  fldcontrol[1].refcnt = 0x00 0x00 0x00
0x00
fldoffset[2] = 0x00,fldmask[2] = 0x00,fldvalue_dyna[2]:0x00 0x00
0x00 0x00
fldcontrol[2].inuse = 0x0  fldcontrol[2].refcnt = 0x00 0x00 0x00
0x00
fldoffset[3] = 0x00,fldmask[3] = 0x00,fldvalue_dyna[3]:0x00 0x00
0x00 0x00
fldcontrol[3].inuse = 0x0  fldcontrol[3].refcnt = 0x00 0x00 0x00
0x00
fldoffset[4] = 0x00,fldmask[4] = 0x00,fldvalue_dyna[4]:0x00 0x00
0x00 0x00
fldcontrol[4].inuse = 0x0  fldcontrol[4].refcnt = 0x00 0x00 0x00
0x00
fldoffset[5] = 0x00,fldmask[5] = 0x00,fldvalue_dyna[5]:0x00 0x00
0x00 0x00
fldcontrol[5].inuse = 0x0  fldcontrol[5].refcnt = 0x00 0x00 0x00
0x00
fldoffset[6] = 0x00,fldmask[6] = 0x00,fldvalue_dyna[6]:0x00 0x00
0x00 0x00
fldcontrol[6].inuse = 0x0  fldcontrol[6].refcnt = 0x00 0x00 0x00
0x00
fldoffset[7] = 0x00,fldmask[7] = 0x00,fldvalue_dyna[7]:0x00 0x00
0x00 0x00
fldcontrol[7].inuse = 0x0  fldcontrol[7].refcnt = 0x00 0x00 0x00
0x00
fldoffset[8] = 0x00,fldmask[8] = 0x00,fldvalue_dyna[8]:0x00 0x00
0x00 0x00
fldcontrol[8].inuse = 0x0  fldcontrol[8].refcnt = 0x00 0x00 0x00
0x00
fldoffset[9] = 0x00,fldmask[9] = 0x00,fldvalue_dyna[9]:0x00 0x00
0x00 0x00
fldcontrol[9].inuse = 0x0  fldcontrol[9].refcnt = 0x00 0x00 0x00
0x00
fldoffset[10] = 0x00,fldmask[10] = 0x00,fldvalue_dyna[10]:0x00 0x00
0x00 0x00
fldcontrol[10].inuse = 0x0  fldcontrol[10].refcnt = 0x00 0x00 0x00
0x00
```

```
fldoffset[11] = 0x00,fldmask[11] = 0x00,fldvalue_dyna[11]:0x00 0x00
0x00 0x00
fldcontrol[11].inuse = 0x0  fldcontrol[11].refcnt = 0x00 0x00 0x00
0x00
fldoffset[12] = 0x00,fldmask[12] = 0x00,fldvalue_dyna[12]:0x00 0x00
0x00 0x00
fldcontrol[12].inuse = 0x0  fldcontrol[12].refcnt = 0x00 0x00 0x00
0x00
fldoffset[13] = 0x00,fldmask[13] = 0x00,fldvalue_dyna[13]:0x00 0x00
0x00 0x00
fldcontrol[13].inuse = 0x0  fldcontrol[13].refcnt = 0x00 0x00 0x00
0x00
fldoffset[14] = 0x00,fldmask[14] = 0x00,fldvalue_dyna[14]:0x00 0x00
0x00 0x00
fldcontrol[14].inuse = 0x0  fldcontrol[14].refcnt = 0x00 0x00 0x00
0x00
fldoffset[15] = 0x00,fldmask[15] = 0x00,fldvalue_dyna[15]:0x00 0x00
0x00 0x00
fldcontrol[15].inuse = 0x0  fldcontrol[15].refcnt = 0x00 0x00 0x00
0x00
fldoffset[16] = 0x00,fldmask[16] = 0x00,fldvalue_dyna[16]:0x00 0x00
0x00 0x00
fldcontrol[16].inuse = 0x0  fldcontrol[16].refcnt = 0x00 0x00 0x00
0x00
fldoffset[17] = 0x00,fldmask[17] = 0x00,fldvalue_dyna[17]:0x00 0x00
0x00 0x00
fldcontrol[17].inuse = 0x0  fldcontrol[17].refcnt = 0x00 0x00 0x00
0x00
fldoffset[18] = 0x00,fldmask[18] = 0x00,fldvalue_dyna[18]:0x00 0x00
0x00 0x00
fldcontrol[18].inuse = 0x0  fldcontrol[18].refcnt = 0x00 0x00 0x00
0x00
fldoffset[19] = 0x00,fldmask[19] = 0x00,fldvalue_dyna[19]:0x00 0x00
0x00 0x00
fldcontrol[19].inuse = 0x0  fldcontrol[19].refcnt = 0x00 0x00 0x00
0x00

Real fields:

fldoffset RAM: 0x00000005, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fldmask RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fld value4 RAM:
0x000000ff
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
```

```
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
Field dirty indicator: 0x00000000

FDB reference count fdb: 0 [1 0 0 0 ]
FDB reference count fdb: 1 [0 0 0 0 ]
FDB reference count fdb: 2 [0 0 0 0 ]
FDB reference count fdb: 3 [0 0 0 0 ]
FDB reference count fdb: 4 [0 0 0 0 ]
FDB reference count fdb: 5 [0 0 0 0 ]
FDB reference count fdb: 6 [0 0 0 0 ]
FDB reference count fdb: 7 [0 0 0 0 ]
FDB reference count fdb: 8 [0 0 0 0 ]
FDB reference count fdb: 9 [0 0 0 0 ]
FDB reference count fdb: 10 [0 0 0 0 ]
FDB reference count fdb: 11 [0 0 0 0 ]
FDB reference count fdb: 12 [0 0 0 0 ]
FDB reference count fdb: 13 [0 0 0 0 ]
FDB reference count fdb: 14 [0 0 0 0 ]
FDB reference count fdb: 15 [0 0 0 0 ]
FDB reference count fdb: 16 [0 0 0 0 ]
FDB reference count fdb: 17 [0 0 0 0 ]
FDB reference count fdb: 18 [0 0 0 0 ]
FDB reference count fdb: 19 [0 0 0 0 ]

Filter counters:
   Filter counter 0: 0  (MIRROR1)
   Filter counter 1: 0  (MIRROR2)
   Filter counter 2: 0  (MIRROR3)
   Filter counter 3: 0  (MIRROR4)
   Filter counter 4: 0  (AEPORT_NON_MIRR_DROP)
   Filter counter 5: 0  (ZONING TRAP)
   Filter counter 6: 0  (FCR_EXPORT_DC)
   Filter counter 7: 0  (TIN TRAP)
   Filter counter 8: 0  (FICON CUP)
   Filter counter 9: 0  (FICON CUP DST)
   Filter counter 10: 0 (WELL KNOWN ADDR)
   Filter counter 11: 0 (SIM)
   Filter counter 12: 0 (UNUSED)
   Filter counter 13: 0 (UNUSED)
   Filter counter 14: 0 (UNUSED)
   Filter counter 15: 0 (UNUSED)
   Filter counter 16: 0 (PERF1)
   Filter counter 17: 0 (PERF2)
   Filter counter 18: 0 (PERF3)
   Filter counter 19: 0 (PERF4)
```

```
   Filter counter 20: 0 (PERF5)
   Filter counter 21: 0 (PERF6)
   Filter counter 22: 0 (PERF7)
   Filter counter 23: 0 (PERF8)
   Filter counter 24: 0 (PERF9)
   Filter counter 25: 0 (PERF10)
   Filter counter 26: 0 (PERF11)
   Filter counter 27: 0 (PERF12)
   Filter counter 28: 0 (OPM1)
   Filter counter 29: 0 (OPM2)
   Filter counter 30: 0 (IPM1)
   Filter counter 31: 0 (IPM2)

               ACL DATA
               --------
Logical port 30: Hard Zoning disabled, Soft Zoning disabled
Zone type: WWN Zoning
Frames with hard zone miss: 0

*** Please use filterportshow on user port 56 to display ACL hash
tables and Mirroring resources of thischip.
 ***We show this data only for the first physical port which is an
exernal port.

portFcPortCmdShow --slot 0 37 3
doing portFcPortCmdShow: arg1 = 3, arg2 = -2

portshow 37
portDisableReason: None
portCFlags: 0x1
portFlags: 0x20b03       PRESENT ACTIVE F_PORT G_PORT U_PORT
LOGICAL_ONLINE LOGIN NOELP ACCEPT FLOGI
LocalSwcFlags: 0x0
portType:  26.0
POD Port: Port is licensed
portState: 1    Online
Protocol: FC
portPhys:  6    In_Sync         portScn:   32   F_Port
port generation number:    56
state transition count:    4

portId:    012500
portIfId:    4302001c
portWwn:   20:25:d8:1f:cc:2c:99:90
portWwn of device(s) connected:
        10:00:00:10:9b:d2:24:4e
16b Area list:
Distance:  normal
portSpeed: N16Gbps

FEC: Inactive
Credit Recovery: Active
Aoq: Inactive
FAA: Inactive
```

```
F_Trunk: Inactive
LE domain: 0
Peer beacon: Off
FC Fastwrite: OFF
Interrupts:        8          Link_failure: 1          Frjt:
0
Unknown:           0          Loss_of_sync: 0          Fbsy:
0
Lli:               8          Loss_of_sig:  1
Proc_rqrd:         1075       Protocol_err: 0
Timed_out:         0          Invalid_word: 510
Tx_unavail:        0          Invalid_crc:  1
Delim_err:         0          Address_err:  0
Lr_in:             2          Ols_in:       1
Lr_out:            1          Ols_out:      1


portloginshow 37
Type  PID     World Wide Name        credit df_sz cos
=====================================================
  fe  012500 10:00:00:10:9b:d2:24:4e    80  2048   8  scr=0x3
  ff  012500  10:00:00:10:9b:d2:24:4e     0     0   8  d_id=FFFFFA
  ff  012500  10:00:00:10:9b:d2:24:4e     0     0   8  d_id=FFFFFC


portloginshow 37 -history
 Type  PID      World Wide Name           logout time
============================================================
  fe  012500 10:00:00:10:9b:d2:24:4e    09/06/2024 17:34:15


portregshow 37

LED registers
=============
0x81ce2000: c4_led_status           000000ff    0x81ce2004:
c4_led_ctl              00000001

FPL registers
=============
0x81ce0200: fpl_port_config         23298232
0x81ce020c: fpl_port_id_ctl         00000005    0x81ce0210:
fpl_port_id_addr        00012500
0x81ce0214: fpl_port_speed          00000003    0x81ce021c:
fpl_lli_ctl             000000c0
0x81ce0228: fpl_lli_os_ctl          bc55bf45    0x81ce022c:
fpl_lli_send_word       bc95b5b5
0x81ce0230: fpl_lli_mark_rx         00000000    0x81ce0234:
fpl_lli_rnd_trip_time   00000000
0x81ce0238: fpl_lli_ns_status       02144000    0x81ce023c:
fpl_lli_intr_status     02000000
0x81ce0244: fpl_lli_def             00144000    0x81ce0254:
fpl_lli_intr_enable_clr 305e4007
0x81ce0258: fpl_err_intr_status     00000142    0x81ce0260:
```

```
fpl_err_intr_enable_clr 00000000
0x81ce0268: fpl_err_first_error     00000000    0x81ce026c:
fpl_speed_neg_ctl       a404d3b8
0x81ce0270: fpl_speed_neg_stat      0000005c    0x81ce0274:
fpl_softasn_ctl         0000000f
0x81ce0278: fpl_link_init_ctl       00042d40    0x81ce027c:
fpl_link_init_stat      000000e0
0x81ce0280: fpl_aec_ctl             00181060    0x81ce0284:
fpl_aec_ctl2            04009f60
0x81ce0288: fpl_pcs_ctl             00000072    0x81ce028c:
fpl_fec_ctl             00000404
0x81ce0290: fpl_fec_cor             00000000    0x81ce0294:
fpl_fec_uncor           00000000
0x81ce0298: fpl_hss_link_ctl        0031f040    0x81ce029c:
fpl_afifo_link_ctl      00000a86
0x81ce02a0: fpl_echo_lb_ctl         0000028c    0x81ce02a4:
fpl_scratch             0000032a
0x81ce02a8: fpl_debug               00050005    0x81ce02ac:
fpl_misc_debug          00000400
0x00000000: SW_shadow_reg           00040000    0x00000000:
SW_c4_phyp->cfgptr      00030003

per-fpg (per octet) registers
=============================
0x8181b82c: fpg_serdes_ctla0        81a37be7    0x8181b830:
fpg_serdes_ctla1        81a37be7
0x8181b834: fpg_serdes_ctlb0        81a1c3c3    0x8181b838:
fpg_serdes_ctlb1        81a1c3c3
0x8181b83c: fpg_serdes_xgmii_1ms    00067c28    0x8181b840:
fpg_serdes_regtimctl    40e47946
0x8181b844: fpg_serdes_asnrsttimctl 00000102

HSS PLL registers
=============================
0x8181b400: 00_hssplla_vco_coarse_cal0      00000000    0x8181b404:
01_hssplla_vco_coarse_cal1      00000014
0x8181b408: 02_hssplla_vco_coarse_cal2      00000000    0x8181b40c:
03_hssplla_vco_coarse_cal3      00000000
0x8181b410: 04_hssplla_vco_coarse_cal4      00000000    0x8181b424:
09_hssplla_power_ctl            00000000
0x8181b428: 0A_hssplla_charge_pump_ctl      00000004    0x8181b438:
0E_hssplla_pll_misc_ctl         00000000
0x8181b43c: 0F_hssplla_pclk_ctl             000000f8    0x8181b440:
10_hssplla_eyem_intv_ctl        00000000
0x8181b444: 11_hssplla_eyem_intv_lim1       00000000    0x8181b448:
12_hssplla_eyem_intv_lim2       00000000
0x8181b44c: 13_hssplla_eyem_intv_lim3       00000000    0x8181b450:
14_hssplla_eyem_intv_lim4       00000000
0x8181b4f0: 3C_hssplla_macro_tst_ctl4       00000000    0x8181b4f4:
3D_hssplla_macro_tst_ctl3       00000000
0x8181b4f8: 3E_hssplla_macro_tst_ctl2       00000000    0x8181b4fc:
3F_hssplla_macro_tst_ctl1       00000000
0x8181b500: 00_hssp1lb_vco_coarse_cal0      0000000a    0x8181b504:
01_hssp1lb_vco_coarse_cal1      00000014
```

```
0x8181b508: 02_hsspllb_vco_coarse_cal2      00000000    0x8181b50c:
03_hsspllb_vco_coarse_cal3      00000000
0x8181b510: 04_hsspllb_vco_coarse_cal4      00000000    0x8181b524:
09_hsspllb_power_ctl            00000000
0x8181b528: 0A_hsspllb_charge_pump_ctl      00000004    0x8181b538:
0E_hsspllb_pll_misc_ctl         00000000
0x8181b53c: 0F_hsspllb_pclk_ctl             000000f8    0x8181b540:
10_hsspllb_eyem_intv_ctl        00000000
0x8181b544: 11_hsspllb_eyem_intv_lim1       00000000    0x8181b548:
12_hsspllb_eyem_intv_lim2       00000000
0x8181b54c: 13_hsspllb_eyem_intv_lim3       00000000    0x8181b550:
14_hsspllb_eyem_intv_lim4       00000000
0x8181b5f0: 3C_hsspllb_macro_tst_ctl4       00000000    0x8181b5f4:
3D_hsspllb_macro_tst_ctl3       00000000
0x8181b5f8: 3E_hsspllb_macro_tst_ctl2       00000000    0x8181b5fc:
3F_hsspllb_macro_tst_ctl1       00000000

HSS TX registers
================
0x8181a000: 00_hsstx_cfg_mode_PHY           00009d48    0x8181a004:
01_hsstx_test_ctl               00000000
0x8181a008: 02_hsstx_coeff_ctl_INV          00000000    0x8181a00c:
03_hsstx_drv_mode_ctl           00000000
0x8181a010: 04_hsstx_drv_ovrd_ctl           00000010    0x8181a014:
05_hsstx_dclk_align_ovrd        00000080
0x8181a018: 06_hsstx_imp_cal_ovrd           00000c0c    0x8181a01c:
07_hsstx_dclk_drift_tol         00000004
0x8181a020: 08_hsstx_tap0_coeff_TUNE        00000000    0x8181a024:
09_hsstx_tap1_coeff_TUNE        00000003
0x8181a028: 0A_hsstx_tap2_coeff_TUNE        00000019    0x8181a02c:
0B_hsstx_tap3_coeff_TUNE        00000003
0x8181a034: 0D_hsstx_pol_INV                00000004    0x8181a038:
0E_hsstx_ae_cmd                 00000000
0x8181a03c: 0F_hsstx_ae_stat                00000000    0x8181a040:
10_hsstx_ae_tap0_TUNE           00000000
0x8181a044: 11_hsstx_ae_tap1_TUNE           00000000    0x8181a048:
12_hsstx_ae_tap2_TUNE           00000028
0x8181a04c: 13_hsstx_ae_tap3_TUNE           00000000    0x8181a054:
15_hsstx_app_tune               0000120e
0x8181a058: 16_hsstx_analog_diag            00000000    0x8181a060:
18_hsstx_4x_seg_app             0000aaaa
0x8181a064: 19_hsstx_2x_seg_app             000000f0    0x8181a068:
1A_hsstx_1x_seg_app             0000f508
0x8181a06c: 1B_hsstx_seg_4x_term_app        00000000    0x8181a070:
1C_hsstx_seg_2x1x_term_app      0000030d
0x8181a074: 1D_hsstx_tap_sign_app           00000004    0x8181a078:
1E_hsstx_ext_addr_data          00000001
0x8181a07c: 1F_hsstx_ext_addr_addr          00000000    0x8181a080:
20_hsstx_pat_buf_bytes_1_0      00000000
0x8181a084: 21_hsstx_pat_buf_bytes_3_2      00000000    0x8181a088:
22_hsstx_pat_buf_bytes_5_4      00000000
0x8181a08c: 23_hsstx_pat_buf_bytes_7_6      00000000    0x8181a09c:
27_hsstx_8023az_ctl             00000000
0x8181a0a0: 28_hsstx_dcc_ctl                000060c0    0x8181a0a4:
```

```
29_hsstx_dcc_ovrd               00000000
0x8181a0a8: 2A_hsstx_dcc_app                00000104    0x8181a0ac:
2B_hsstx_dcc_timeout            0000ffff
0x8181a0c0: 30_hsstx_tap_sign_ovrd          00000000    0x8181a0c8:
32_hsstx_seg_4x_ovrd            00000000
0x8181a0cc: 33_hsstx_seg_2x_ovrd            00000000    0x8181a0d0:
34_hsstx_seg_1x_ovrd            00000000
0x8181a0d8: 36_hsstx_tap_seg_4x_term_ovrd   00000000    0x8181a0dc:
37_hsstx_tap_seg_2x_term_ovrd   00000000
0x8181a0e0: 38_hsstx_tap_seg_1x_term_ovrd   00000000    0x8181a0ec:
3B_hsstx_mac_test_ctl5          00000000
0x8181a0f0: 3C_hsstx_mac_test_ctl4          00000000    0x8181a0f4:
3D_hsstx_mac_test_ctl3          00000000
0x8181a0f8: 3E_hsstx_mac_test_ctl2          00000000    0x8181a0fc:
3F_hsstx_mac_test_ctl1          000000c6

HSS RX registers
================
0x8181a200: 00_hssrx_cfg_mode_PHY           00009c78    0x8181a204:
01_hssrx_test_ctl               00000000
0x8181a208: 02_hssrx_phs_rot_ctl            0000cb80    0x8181a20c:
03_hssrx_phs_rot_ofs_ctl        00000610
0x8181a210: 04_hssrx_phs_rot_posn1          0000071f    0x8181a214:
05_hssrx_phs_rot_posn2          0000000f
0x8181a218: 06_hssrx_phs_rot_sta_ofs1       00000001    0x8181a21c:
07_hssrx_phs_rot_sta_ofs2       00000000
0x8181a220: 08_hssrx_dfe_ctl_PHY            00000002    0x8181a224:
09_hssrx_dfe_smpl_snap1         00000000
0x8181a228: 0A_hssrx_dfe_smpl_snap2         00008000    0x8181a22c:
0B_hssrx_vga_ctl1               000041ee
0x8181a230: 0C_hssrx_vga_ctl2               00007b96    0x8181a234:
0D_hssrx_vga_ctl3               000009e4
0x8181a238: 0E_hssrx_pwr_mgmnt_ctl          0000001f    0x8181a23c:
0F_hssrx_iqamp_ctl1             0000001b
0x8181a240: 10_hssrx_iqamp_ctl2             00000006    0x8181a244:
11_hssrx_dacap_dacan_sel        00000003
0x8181a248: 12_hssrx_dacap_dacan            000032cc    0x8181a24c:
13_hssrx_daca_min               00000e22
0x8181a250: 14_hssrx_adac_ctl               00000033    0x8181a254:
15_hssrx_ac_cp_ctl              000031c3
0x8181a258: 16_hssrx_ac_cp_val              0000004a    0x8181a25c:
17_hssrx_dfe_h1h2h3_lcl_off_ch  00000014
0x8181a260: 18_hssrx_dfe_h1h2h3_lcl_off_val 00000000    0x8181a264:
19_hssrx_peaked_intg            000000ff
0x8181a268: 1A_hssrx_cdr_analog_sw          0000ce00    0x8181a26c:
1B_hssrx_peaking_amp_init_c_PHY 00000000
0x8181a270: 1C_hssrx_dac_dpc                00000027    0x8181a274:
1D_hssrx_ddc                    00004240
0x8181a278: 1E_hssrx_int_stat_PHY           0000ec9f    0x8181a27c:
1F_hssrx_dfe_func_ctl1_PHY      0000ffff
0x8181a280: 20_hssrx_dfe_func_ctl2_INV      00007ebf    0x8181a284:
21_hssrx_ofs_ch_dcc_qcc_idx     00002000
0x8181a288: 22_hssrx_dfe_ofs_val            0000057e    0x8181a28c:
23_hssrx_h_coeff_bist           00000401
```

```
0x8181a290: 24_hssrx_ac_cap_bist            00002093    0x8181a294:
25_hssrx_max_gain_path_idx_res  00007829
0x8181a298: 26_hssrx_loff_ctl               00000055    0x8181a29c:
27_hssrx_sigdet_ctl             000029a0
0x8181a2a0: 28_hssrx_ana_ctl_sw             00000000    0x8181a2a4:
29_hssrx_intg_dac_ofs           0000a0a1
0x8181a2a8: 2A_hssrx_eye_ctl                00004400    0x8181a2ac:
2B_hssrx_eye_met                00000004
0x8181a2b0: 2C_hssrx_eye_met_err_cnt        00000000    0x8181a2b4:
2D_hssrx_eye_met_pdf_eyec       00000000
0x8181a2b8: 2E_hssrx_eye_met_pat_len        0000007f    0x8181a2bc:
2F_hssrx_dfe_func_ctl3          0000dfff
0x8181a2c0: 30_hssrx_dfe_tap_ctl_idx_ptr    00000008    0x8181a2c4:
31_hssrx_dfe_tap                00001122
0x8181a2c8: 32_hssrx_lte_ctl_TUNE           00000600    0x8181a2e4:
39_hssrx_int_stat2              000041ff
0x8181a2e8: 3A_hssrx_ac_cpl_cur_src_adj     00000041    0x8181a2ec:
3B_hssrx_dcd_ctl                00007c55
0x8181a2f0: 3C_hssrx_dcc_ctl                00000d00    0x8181a2f4:
3D_hssrx_qcc_ctl                00006947
0x8181a2f8: 3E_hssrx_mac_test_ctl2          00000000    0x8181a2fc:
3F_hssrx_mac_test_ctl1          00000000
0x8181a248: 12_hssrx_dacap_dacan[02]                38c8 32cc
0x8181a260: 18_hssrx_dfe_h1h2h3_lcl_off_va[00]      0201 3f01   3e3d
0100   0005 3e01   003f 033f
0x8181a260: 18_hssrx_dfe_h1h2h3_lcl_off_va[08]      0200 3e00   3f01
3f3f   3f00 3e00   3c02 0001
0x8181a260: 18_hssrx_dfe_h1h2h3_lcl_off_va[16]      013d 3d3d   3e00
3d00   0000
0x8181a288: 22_hssrx_dfe_ofs_val[00][00]            057e 0000   7c7e
0000   0178 0000
0x8181a288: 22_hssrx_dfe_ofs_val[03][00]            7b00 0000   7e0b
007f   7900 0000
0x8181a288: 22_hssrx_dfe_ofs_val[06][00]            0404 7f00   7d02
0000   7b7b 0000
0x8181a288: 22_hssrx_dfe_ofs_val[09][00]            7801 0000   7806
0000   007f 0000
0x8181a288: 22_hssrx_dfe_ofs_val[12][00]            047c 7f00   797d
0000   7a7c 0000
0x8181a288: 22_hssrx_dfe_ofs_val[15][00]            7f7a 0000   067e
7f00   7c00 0000
0x8181a288: 22_hssrx_dfe_ofs_val[18][00]            7902 0000   7c7f
0000   0006 007f
0x8181a288: 22_hssrx_dfe_ofs_val[21][00]            0006 007f   0006
007f   0006 007f
0x8181a288: 22_hssrx_dfe_ofs_val[24][00]            0501 0000   007b
0000   017d 0000
0x8181a294: 25_hssrx_max_gain_path_idx_res[00]      0061 0857   1011
188e   20df 289f   3084 38cd
0x8181a294: 25_hssrx_max_gain_path_idx_res[08]      40af 487f   5072
5800   6040 683a   70c6 7829
0x8181a2c4: 31_hssrx_dfe_tap[00]                    fffe 8181   4242
2122   0011 0024   2324 2121
0x8181a2c4: 31_hssrx_dfe_tap[08]                    1122 2130   3030
```

```
0d0d
0x8181a2e8: 3A_hssrx_ac_cpl_cur_src_adj[00]         0041 0041   0041
0041
0x8181a2ec: 3B_hssrx_dcd_ctl[00]                    7c55 5c00   7c81
5c00   7c43
0x8181a2f0: 3C_hssrx_dcc_ctl[00]                    0d00 0d41   0d42
0d42
0x8181a2f4: 3D_hssrx_qcc_ctl[00]                    6900 6947

xfipcs, fec, aec, & aet registers
=================================
0x81ce0400: xfipcs_reg              [00] 00002040 00000004 00000000
00000000    00000001 00000008 00000000 00000000
0x81ce0420: xfipcs_reg              [08] 00008001 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81ce0440: xfipcs_reg              [16] 00000000 00000000 00000000
00000000    00000040 00000000 00000000 00000000
0x81ce0460: xfipcs_reg              [24] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81ce0480: xfipcs_reg              [32] 00001005 00008000 00000000
00000000    00000000 00000000 00000000 00000000
0x81ce0620: fec_32g_128g_reg        [08] 00000000 00008003 00000000
00000000    00000000 00000000 00000000
0x81ce0648: fec_32g_128g_reg        [18] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81ce0a00: aec_reg                 [00] 00000000 00005000 00000000
00000000    00000740 0000ffe0 00000040 000024a2
0x81ce0c00: aet_reg                 [00] 000000b0 00007000 000008c4
00000000    00000000

bbc registers
=============
0x81ce1800: bbc_trc                 80   0    0    0    0    0    0
0
0x81ce1840: bbc_trc                 0    0    0    0    0    0    0
0
0x81ce1880: bbc_trc                 0    0    0    0    0    0    0
0
0x81ce18c0: bbc_trc                 0    0    0    0    0    0    0
0
0x81ce1900: bbc_trc                 0    0    0    0    0    0    0
0
0x81ce1804: bbc_mbc                 0    0    0    0    0    0    0
0
0x81ce1844: bbc_mbc                 0    0    0    0    0    0    0
0
0x81ce1884: bbc_mbc                 0    0    0    0    0    0    0
0
0x81ce18c4: bbc_mbc                 0    0    0    0    0    0    0
0
0x81ce1904: bbc_mbc                 0    0    0    0    0    0    0
0
0x81ce1a00: bbc_rcc                 0    0    0    0    0    0    0
0
```

```
0x81ce1a20: bbc_rcc                 0    0    0    0    0    0    0
0
0x81ce1a40: bbc_rcc                 0    0    0    0    0    0    0
0
0x81ce1a60: bbc_rcc                 0    0    0    0    0    0    0
0
0x81ce1a80: bbc_rcc                 0    0    0    0    0    0    0
0
0x81ce1c00: bbc_rqc                 0    0    0    0    0    0    0
0
0x81ce1c20: bbc_rqc                 0    0    0    0    0    0    0
0
0x81ce1c40: bbc_rqc                 0    0    0    0    0    0    0
0
0x81ce1c60: bbc_rqc                 0    0    0    0    0    0    0
0
0x81ce1c80: bbc_rqc                 0    0    0    0    0    0    0
0
0x81ce1d00: bbc_fbpc                00000000    0x81ce1d04: bbc_csc
00000000
0x81ce1d08: bbc_rcc_inc             00000000    0x81ce1d0c:
bbc_rqc_inc             00000000
0x81ce1d10: bbc_fbpc_inc            00000000    0x81ce1d14:
bbc_tmc_inc             00000000
0x81ce1d18: bbc_threshold           00000010    0x81ce1d1c:
bbc_counter_clr         00000000
0x81ce1d20: bbc_debug_en            00000000    0x81ce1d24: bbc_ctrl
00200220
0x81ce1d28: bbc_rqc_rcc_thresh      00000055    0x81ce1d34:
bbc_bb_sc_n             00000008
0x81ce1d38: bbc_crd_reco_debug      00000000    0x81ce1d3c:
bbc_crd_reco_debug_data 00000000
0x81ce1d40: bbc_multi_frm_loss_cnt  00000000    0x81ce1d44:
bbc_multi_rdy_loss_cnt  00000000
0x81ce1d48: bbc_1frm_loss_recov_cnt 00000000    0x81ce1d4c:
bbc_1rdy_loss_recov_cnt 00000000
0x81ce1d58: bbc_int_status          00000000    0x81ce1d5c:
bbc_int_set             00000000
0x81ce1d60: bbc_int_first           00000000    0x81ce1d64:
bbc_frm_rdy_rx_err_addr 00000000
0x81ce1d68: bbc_frm_rdy_tx_err_addr 00000000    0x81ce1d6c:
bbc_trc_mbc_err_addr    00000000
0x81ce1d70: bbc_frm_rdy_rx_dbl_ecc  00000000    0x81ce1d74:
bbc_frm_rdy_tx_dbl_ecc  00000000
0x81ce1d78: bbc_trc_mbc_dbl_ecc     00000000
0x81ce1d7c: bbc_fsm_status          00001011    0x81ce1d80:
bbc_force_err           00000000
0x81ce1d84: bbc_crdt_avail0         ffffffff    0x81ce1d88:
bbc_crdt_avail1         000000ff
0x81ce1d8c: bbc_scratch             00000000

FPS registers
=============
0x81ce0004: fps_er_enc_in           00000000    0x81ce0008:
```

```
fps_er_crc              00000001
0x81ce000c: fps_er_trunc            00000000    0x81ce0010:
fps_er_toolong          00000000
0x81ce0014: fps_er_bad_eof          00000000    0x81ce0018:
fps_er_enc_out          00000000
0x81ce001c: fps_er_bad_os           00001f51    0x81ce0020:
fps_er_flush            00000000
0x81ce0024: fps_er_ifg              00000000    0x81ce0038:
fps_er_crc_good_eof     00000001
0x81ce003c: fps_inv_arb             00000000    0x81ce0040:
fps_slow_sts_status     00000000
0x81ce0044: fps_tx_frm_cnt          0088cf64    0x81ce0048:
fps_rx_frm_cnt          02a68fe3
0x81ce0050: fps_tx_word_cnt_hi      00000000    0x81ce004c:
fps_tx_word_cnt_lo      1e8cfc80
0x81ce0058: fps_rx_word_cnt_hi      00000004    0x81ce0054:
fps_rx_word_cnt_lo      e8195905

BAL registers
=============
0x81ce7000: bal_desired_buf         00000008    0x81ce7004:
bal_alloc_buf           00000008
0x81ce7008: bal_busy_buf            00000006    0x81ce700c:
bal_usable_buf          00000008
0x81ce7010: bal_max_bor_buf         00000000
0x81ce7014: bal_busy_buf_thresh     00000006

TXQ registers
=============
0x81ce3004: txq_phys_port_ctl       004c0000
0x81ce3050: txq_link_skew           00000000
0x81ce3068: txq_cr_lk_dttn_intr_sts [00] 00000000 00000000
0x81ce3070: txq_cr_lk_dttn_intr_en  [00] 00000001 00000000
0x81ce3024: txq_disc_frm_trap_cnt   00000014

FDS registers
=============
0x81ce4000: fds_rxf_ctl             00000008    0x81ce4004:
fds_rxf_wait_thresh     00000c06
0x81ce4018: fds_rxf_first_error     00000000    0x81ce401c:
fds_rxf_first_error_info00000000
0x81ce4020: fds_rxf_inout_pkt_cnt   69ed69ed
0x81ce4008: fds_rxf_err_int_status  00000000    0x81ce4024:
fds_rxf_fifo_status     00488888
0x81ce5000: fds_txf_ctl             00000008    0x81ce5004:
fds_txf_wait_ifg_thresh 00a00106
0x81ce5008: fds_txf_err_int_status  00000000    0x81ce5024:
fds_txf_fifo_status     00088888
0x81ce502c: fds_txf_bbc_scs         00000028

Logical TXQ registers
=====================
0x81ce3000: txq_log_port_ctl        00000011    0x81ce3008:
txq_port_status         00000000
```

```
0x81ce300c: txq_todo_flags          [00] 00000000 00000000
0x81ce3014: txq_spd_match_desc      [00] 00000000 388a388a 00000000
00000000
0x81ce3024: txq_spd_match_desc      [04] 00000014
0x81ce3028: txq_vc_weight           [00] 25252501 19010125 3c3c3c19
25013c3c
0x81ce3038: txq_vc_weight           [04] 01252525 01010101 01010101
01010101
0x81ce3048: txq_vc_weight           [08] 01010101 00010101
0x81ce3054: txq_cong_dttn_ctrl      00000106
0x81ce3058: txq_cong_dttn_intr_sts  [00] 00000000 00000000
0x81ce3060: txq_cong_dttn_intr_en   [00] 00000000 00000000
0x81ce3078: txq_bw_limit_en_reg     [00] 00000000 00000000
0x81ce3080: txq_bw_gua_en_reg       [00] 00000000 00000000
0x81ce3088: txq_vc_group            [00] 03030300 03030303 03030303
03030303
0x81ce3098: txq_vc_group            [04] 03030303 03030303 03030303
03030303
0x81ce30a8: txq_vc_group            [08] 03030303 03030303 00000000
00000000
0x81ce30b0: txq_bw_thresh_group     [00] 00000000 00000000 00000000
00000000
0x81ce30c0: txq_bw_thresh_group     [04] 00000000 00000000 00000000
00000000
0x81ce30d0: txq_bw_thresh_group     [08] 00000000 00000000 00000000
00000000
0x81ce30e0: txq_bw_thresh_group     [12] 00000000 00000000 00000000
00000000
0x81ce30f0: txq_bw_thresh_group     [16] 00000000 00000000 00000000
00000000
0x81ce3100: txq_bw_thresh_group     [20] 00000000 00000000 00000000
00000000
0x81ce3110: txq_bw_thresh_group     [24] 00000000 00000000 00000000
00000000
0x81ce3120: txq_bw_thresh_group     [28] 00000000 00000000 00000000
00000000
0x81ce3130: txq_bw_thresh_group     [32] 00000000 00000000 00000000
00000000
0x81ce3140: txq_bw_thresh_group     [36] 00000000 00000000 00000000
00000000

txq Congestion detection Statistics RAM
=======================================
0x81091180: vc[0]       00000000        0x81091184: vc[1]
00000000
0x81091188: vc[2]       00000000        0x8109118c: vc[3]
00000000
0x81091190: vc[4]       00000000        0x81091194: vc[5]
00000000
0x81091198: vc[6]       00000000        0x8109119c: vc[7]
00000000
0x810911a0: vc[8]       00000000        0x810911a4: vc[9]
00000000
0x810911a8: vc[10]      00000000        0x810911ac: vc[11]
```

```
00000000
0x810911b0: vc[12]      00000000        0x810911b4: vc[13]
00000000
0x810911b8: vc[14]      00000000        0x810911bc: vc[15]
00000000
0x810911c0: vc[16]      00000000        0x810911c4: vc[17]
00000000
0x810911c8: vc[18]      00000000        0x810911cc: vc[19]
00000000
0x810911d0: vc[20]      00000000        0x810911d4: vc[21]
00000000
0x810911d8: vc[22]      00000000        0x810911dc: vc[23]
00000000
0x810911e0: vc[24]      00000000        0x810911e4: vc[25]
00000000
0x810911e8: vc[26]      00000000        0x810911ec: vc[27]
00000000
0x810911f0: vc[28]      00000000        0x810911f4: vc[29]
00000000
0x810911f8: vc[30]      00000000        0x810911fc: vc[31]
00000000
0x81091200: vc[32]      00000000        0x81091204: vc[33]
00000000
0x81091208: vc[34]      00000000        0x8109120c: vc[35]
00000000
0x81091210: vc[36]      00000000        0x81091214: vc[37]
00000000
0x81091218: vc[38]      00000000        0x8109121c: vc[39]
00000000


Logical STS registers
=====================
0x81585584: sts_ftb_type1_miss      00000000
0x81585588: sts_ftb_type2_miss      00000000
0x8158558c: sts_ftb_type6_miss      00000000
0x81585590: sts_hard_zoning_miss    00000000
0x81585594: sts_lun_zoning_miss     00000000
0x8158559c: sts_unroutable          00000000
0x815825b4: sts_rte_cl2             00000000    0x815825b8:
sts_rte_cl3             02a68fe3        0x815825bc: sts_rte_link_ctl
00000000        0x815855a8: sts_tx_timeout          00000000

Logical STS filter registers
=====================
0x81585500: sts_flt_trig            [00] 00000000 00000000 00000000
00000000
0x81585510: sts_flt_trig            [04] 00000000 00000000 00000000
00000000
0x81585520: sts_flt_trig            [08] 00000000 00000000 00000000
00000000
0x81585530: sts_flt_trig            [12] 00000000 00000000 00000000
00000000
0x81585540: sts_flt_trig            [16] 00000000 00000000 00000000
```

```
00000000
0x81585550: sts_flt_trig            [20] 00000000 00000000 00000000
00000000
0x81585560: sts_flt_trig            [24] 00000000 00000000 00000000
00000000
0x81585570: sts_flt_trig            [28] 00000000 00000000 00000000
00000000
0x81585580: sts_flt_trig            [32]

Logical STS discard registers
=====================
0x815838b0: disc_mcast_wka          00000000    0x815838b4:
disc_inv_did            00000000
0x815838b8: disc_cl1_cl4            00000000    0x815838bc:
disc_sid_chk_fail       00000000
0x815838c0: disc_inv_dom_egid_txpt  00000000    0x815838c4:
disc_vft_hop_cnt_1      00000000
0x815838c8: disc_classf             00000000    0x815838cc:
disc_fcp_cdb_inv        00000000
0x815838d0: disc_vfid_trap_enabled  00000000    0x815838d4:
disc_vfid_hdr_chk_fail  00000000
0x815838d8: disc_shim_cksum_fail    00000000    0x815838dc:
disc_fed_edit_cmd_err   00000000
0x815838e0: disc_ftb_vm_mode        00000000    0x815838e4:
disc_ftb_agn_t2_miss    00000000
0x815838e8: disc_ecb_reserved       00000000    0x815838ec:
disc_ecb_de_pad_err     00000000
0x815838f0: disc_ecb_de_tag_err     00000000    0x815838f4:
disc_ecb_de_seq_err     00000000
0x815838f8: disc_ecb_err            00000000    0x815838fc:
disc_ftb_type4_match    00000000
0x81583900: disc_fcp_rsp_ftb_type4  00000000    0x81583904:
disc_ftb_type5_match    00000000
0x81583908: disc_ftb_type3_match    00000000    0x8158390c:
disc_els_ftb_type3      00000000
0x81583910: disc_ftb_type1_match    00000000    0x81583914:
disc_els_rsp_ex_port    00000000
0x81583918: disc_inv_drp_dps        00000000    0x8158391c:
disc_did_lookup_miss    00000000
0x81583920: disc_ftb_type2_match    00000000    0x81583924:
disc_trpd_plogi_pdisc   00000000
0x81583928: disc_type2_lookup_miss  00000000    0x8158392c:
disc_ftb_type6_match    00000000
0x81583930: disc_els_rep_ex_port    00000000    0x81583934:
disc_els_sid_lkup_bit1  00000000
0x81583938: disc_els_sid_lkup_bit0  00000000    0x8158393c:
disc_bls_frm_trap_bit1  00000000
0x81583940: disc_ftb_token_err      00000000    0x81583944:
disc_asic_internal_err  00000000
0x81583948: disc_hard_zone_miss     00000000    0x8158394c:
disc_lun_zone_miss      00000000
0x81583950: disc_flt_frame_disc     00000000    0x81583954:
disc_flt_parity_err     00000000
0x81583958: disc_frame_marked_du    00000000    0x8158395c:
```

```
disc_frame_marked_to    00000000
0x81583960: disc_lkup_rte_prty_err  00000000


portstatsshow 37
stat_wtx                512555998           4-byte words transmitted
stat_wrx                21073838131         4-byte words received
stat_ftx                8965976             Frames transmitted
stat_frx                44470225            Frames received
stat_c2_frx             0                   Class 2 frames received
stat_c3_frx             44470243            Class 3 frames received
stat_lc_rx              0                   Link control frames
received
stat_mc_rx              0                   Multicast frames
received
stat_mc_to              0                   Multicast timeouts
stat_mc_tx              0                   Multicast frames
transmitted
tim_txcrd_z             0                   Time TX Credit Zero
(2.5Us ticks)
tim_txcrd_z_vc  0- 3:  0           0           0           0
tim_txcrd_z_vc  4- 7:  0           0           0           0
tim_txcrd_z_vc  8-11:  0           0           0           0
tim_txcrd_z_vc 12-15:  0           0           0           0
lat_tot_pkt_vc  0- 3:  1           1           1           1
lat_tot_pkt_vc  4- 7:  1           1           1           1
lat_tot_pkt_vc  8-11:  1           1           1           1
lat_tot_pkt_vc 12-15:  1           1           1           1
lat_hi_time_vc  0- 3:  0           0           0           0
lat_hi_time_vc  4- 7:  0           0           0           0
lat_hi_time_vc  8-11:  0           0           0           0
lat_hi_time_vc 12-15:  0           0           0           0
lat_lo_time_vc  0- 3:  1           1           1           1
lat_lo_time_vc  4- 7:  1           1           1           1
lat_lo_time_vc  8-11:  1           1           1           1
lat_lo_time_vc 12-15:  1           1           1           1
max_latency_vc  0- 3:  1           1           1           1
max_latency_vc  4- 7:  1           1           1           1
max_latency_vc  8-11:  1           1           1           1
max_latency_vc 12-15:  1           1           1           1
latency_dma_ts          09-09-2024 UTC Mon 08:47:24            TXQ
Latency DMA TimeStamp
fec_cor_detected        0                   Count of blocks that
were corrected by FEC
fec_uncor_detected      0                   Count of blocks that
were left uncorrected by FEC
er_enc_in               0                   Encoding errors inside
of frames
er_crc                  1                   Frames with CRC errors
er_trunc                0                   Frames shorter than
minimum
er_toolong              0                   Frames longer than
maximum
er_bad_eof              0                   Frames with bad end-of-
```

```
frame
er_enc_out              0                   Encoding error outside
of frames
er_bad_os               8017                Invalid ordered set
er_pcs_blk              510                 PCS block errors
er_rx_c3_timeout        0                   Class 3 receive frames
discarded due to timeout
er_tx_c3_timeout        0                   Class 3 transmit frames
discarded due to timeout
er_unroutable           0                   Frames that are
unroutable
er_unreachable          0                   Frame with unreachable
destination
er_other_discard        0                   Other discards
er_type1_miss           0                   frames with FTB type 1
miss
er_type2_miss           0                   frames with FTB type 2
miss
er_type6_miss           0                   frames with FTB type 6
miss
er_zone_miss            0                   frames with hard zoning
miss
er_lun_zone_miss        0                   frames with LUN zoning
miss
er_crc_good_eof         1                   Crc error with good eof
er_inv_arb              0                   Invalid ARB
er_single_credit_loss   0                   Single vcrdy/frame loss
on link
er_multi_credit_loss    0                   Multiple vcrdy/frame
loss on link
other_credit_loss       0                   Link timeout/complete
credit loss
phy_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
phy_port stats clear
lgc_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
lgc_port stats clear
fec_corrected_rate      0                   FEC Corrected blocks per
second

portstats64show 37
stat64_wtx      0           top_int : 4-byte words transmitted
                512554459   bottom_int : 4-byte words transmitted
stat64_wrx      4           top_int : 4-byte words received
                3893712688  bottom_int : 4-byte words received
stat64_ftx      0           top_int : Frames transmitted
                8965862     bottom_int : Frames transmitted
stat64_frx      0           top_int : Frames received
                44469678    bottom_int : Frames received
stat64_c2_frx   0           top_int : Class 2 frames received
                0           bottom_int : Class 2 frames received
stat64_c3_frx   0           top_int : Class 3 frames received
                44469887    bottom_int : Class 3 frames received
stat64_lc_rx    0           top_int : Link control frames received
                0           bottom_int : Link control frames
```

```
received
stat64_mc_rx    0           top_int : Multicast frames received
                0           bottom_int : Multicast frames received
stat64_mc_to    0           top_int : Multicast timeouts
                0           bottom_int : Multicast timeouts
stat64_mc_tx    0           top_int : Multicast frames transmitted
                0           bottom_int : Multicast frames
transmitted
tim64_rdy_pri   0           top_int : Time R_RDY high priority
                0           bottom_int : Time R_RDY high priority
tim64_txcrd_z   0           top_int : Time BB_credit zero
                0           bottom_int : Time BB_credit zero
er64_enc_in     0           top_int : Encoding errors inside of
frames
                0           bottom_int : Encoding errors inside of
frames
er64_crc        0           top_int : Frames with CRC errors
                1           bottom_int : Frames with CRC errors
er64_trunc      0           top_int : Frames shorter than minimum
                0           bottom_int : Frames shorter than minimum
er64_toolong    0           top_int : Frames longer than maximum
                0           bottom_int : Frames longer than maximum
er64_bad_eof    0           top_int : Frames with bad end-of-frame
                0           bottom_int : Frames with bad end-of-
frame
er64_enc_out    0           top_int : Encoding error outside of
frames
                0           bottom_int : Encoding error outside of
frames
er64_disc_c3    0           top_int : Class 3 frames discarded
                0           bottom_int : Class 3 frames discarded
er64_pcs_blk    0           top_int : PCS block errors
                510         bottom_int : PCS block errors
stat64_rateTxFrame      35          Tx frame rate (fr/sec)
stat64_rateRxFrame      132         Rx frame rate (fr/sec)
stat64_rateTxPeakFrame  0           Tx peak frame rate (fr/sec)
stat64_rateRxPeakFrame  0           Rx peak frame rate (fr/sec)
stat64_rateTxWord       472         Tx Word rate (words/sec)
stat64_rateRxWord       60212       Rx Word rate (words/sec)
stat64_rateTxPeakWord   0           Tx peak Word rate (words/sec)
stat64_rateRxPeakWord   0           Rx peak Word rate (words/sec)
stat64_PRJTFrames       0           top_int : Number of PRJT frames
returned to this port
                        0           bottom_int : Number of PRJT
frames returned to this port
stat64_PBSYFrames       0           top_int : Number of PBSY frames
returned to this port
                        0           bottom_int : Number of PBSY
frames returned to this port
stat64_inputBuffersFull 0           top_int : Number of occurrences
when all input buffers full
                        0           bottom_int : Number of
occurrences when all input buffers full
stat64_rxClass1Frames   0           top_int : Number of class 1
```

```
frames received
                        0           bottom_int : Number of class 1
frames received
stat64_aveTxFrameSize   13          Average Tx Frame size
stat64_aveRxFrameSize   456         Average Rx Frame size
Lr_in           0           top_int
                2           bottom_int
Ols_in          0           top_int
                1           bottom_int
Lr_out          0           top_int
                1           bottom_int
Ols_out         0           top_int
                1           bottom_int
Link_failure    0           top_int
                1           bottom_int
Invalid_CRC     0           top_int
                1           bottom_int
Invalid_word    0           top_int
                510         bottom_int
Protocol_err    0           top_int
                0           bottom_int
Loss_of_sig     0           top_int
                1           bottom_int
Loss_of_sync    0           top_int
                0           bottom_int
er_bad_os       0           top_int : Invalid ordered set
                8017        bottom_int: Invalid ordered set


portrouteshow 37
port address ID: 0x012500
external unicast routing table:
   0: Embedded
 255: Embedded
internal unicast routing table:

portcamshow 37
-------------------------------------------------
Port  SID used  DID used  SID entries  DID entries
37     5         1         012600       012500
                           010b00
                           012500
                           010c00
                           010a00
-------------------------------------------------
SID free, DID free: (59205, 59205)

ptbufshow, ptcreditshow, ptdatashow, ptstatsshow 37
S:
S:VF Enable:            1
S:
S:C4 Global Variable:
S:-------------------------------------------------------------------
---------
```

```
S:trace_stop:           0
S:
S:C4 Phy Data Pointers: c4_phyp = 0xb6af0000
S:-------------------------------------------------------------------
---------
S:tnodep                        0xbb84b7e0      pt
        0x4302801c
S:proto_phyp            0xb880b900      phy_cfg
0xb6af1040
S:c4_chp                        0x97e28000      c4_lgcp
0x97fb8000
S:c4_phy_regp           0x81ce0000      proc_dir
0xb851e280
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4345678      num_port_timer          12
S:prev_if_id            0x4302001c      S:ftx
8965976         tov                     0
S:initialized           1               port_idx                28
S:ui_idx                        37              slot_no
        0
S:blade_idx             28              sw_usr_ports            400
S:unused                        0               intr_debounced
        0
S:aec_status            0x0             reason_code
        0
S:debug                 0x00000004      debug_trc_line          0
S:rxbuf_list_head       0xffffffff      rxbuf_list_tail         0x35
S:isAePort                      0               port_misc_data
                0
S:num_fault1_rx_disc    0               num_fault2_rx_disc      0
S:p_lli_cause0          2               p_sig_regained          2
S:p_sync_regained               0               enc_out
        0x0
S:cached_fps_status     0               cached_sts_status       0
S:cached_er_crc_good_eof        0
S:cached_er_bad_os      0               cached_er_too_long      0
S:cached_er_trunc       0
cached_tot_er_crc_good_eof      0
S:num_pt_excess_intr    0               num_no_fid              0
S:num_fault1_cnt                0               num_fault2_cnt
        0
S:num_fault_lip         0               num_fault_lli           0
S:num_fault_rx_fifo     0               num_fault_hss           0
S:num_fault_bwait               0               lli_intr_prim
        0
S:num_sw_link_to                0
be_link_err_mon_count           0
S:ecb_enc_enabled               0               ecb_comp_enabled
                0
S:ecb_rsv_enc           0               ecb_rsv_comp            0
S:ecb_enc_bm            0x0             ecb_key_index
0xffffffff
S:fab_idx               0
```

```
S:num_be_lto            0               lto_count_reset_intvl
        0
S:lr_count_reset_intvl          0               num_be_lr
        0
S:num_fault_qsfp                0               check_lto
        0
S:credit_loaded         80              num_credit_overrun
        0
S:fec_enabled           0x0             fec_los_to_flag         0x0
S:phy_stats_clear_ts            1725611419      pcs_err_online
        510
S:pcs_err_light_det             510             pcs_err_ignore
        0
S:pcs_blk_err           510             pcs_hiber               0
S:phy_port_status               2               ecb_enc_lr_count
                0
S:dport_mode            0               avoid_lto_det           0
S:sn_debounced          0x0             sn_started_kr_reqd      1
S:major_timer_started   0x0             ready_bm                0x0
S:parln_1_bm            0x0             parln_0_bm              0x0
S:be_los_of_sync_event_intvl            0
be_los_of_sync_event            0
S:erratePtenable_cntr           0               errataPoll_cntr
        0
S:jda_rx_sig_loss_det           0               jda_rx_sig_loss_cnt
                0
S:encrypt_blk_error             0
S:
S:      c4_trunk
S:=======================================
S:mark_ts               0x0             deskew                  0x0
S:master_phyp           0x0
S:
S:adelay[00]: 0x00000000 0x00000000 0x00000000 0x00000000
S:adelay[04]: 0x00000000 0x00000000 0x00000000 0x00000000
S:
S:      c4_buf
S:=======================================
S:tx_csc                        0               rx_csc
        0
S:ld_vc_credits         0               tx_flag                 0x0
S:alloc_buffers         8               req_buffers             8
S:est_buffers           20              ld_use_est              0
S:bb_sc_n                       8               rx_bb_sc_n
        8
S:data_cr                       5               nondata_cr
        6
S:cr_enable             0
S:ld_nondata_cr         6               tnodep
0xbb84b8c0
S:tx_credits[0] 0    0    0    0    0    0    0    0
S:tx_credits[8] 0    0    0    0    0    0    0    0
S:tx_credits[16]        0    0    0    0    0    0    0    0
S:tx_credits[24]        0    0    0    0    0    0    0    0
```

```
S:tx_credits[32]        0    0    0    0    0    0    0    0
S:rx_credits[0] 0    0    0    0    0    0    0    0
S:rx_credits[8] 0    0    0    0    0    0    0    0
S:rx_credits[16]        0    0    0    0    0    0    0    0
S:rx_credits[24]        0    0    0    0    0    0    0    0
S:rx_credits[32]        0    0    0    0    0    0    0    0
S:tx_mbc[0]     0    0    0    0    0    0    0    0
S:tx_mbc[8]     0    0    0    0    0    0    0    0
S:tx_mbc[16]    0    0    0    0    0    0    0    0
S:tx_mbc[24]    0    0    0    0    0    0    0    0
S:tx_mbc[32]    0    0    0    0    0    0    0    0
S:rx_mbc[0]     0    0    0    0    0    0    0    0
S:rx_mbc[8]     0    0    0    0    0    0    0    0
S:rx_mbc[16]    0    0    0    0    0    0    0    0
S:rx_mbc[24]    0    0    0    0    0    0    0    0
S:rx_mbc[32]    0    0    0    0    0    0    0    0
S:
S:C4 Chip Variables: c4_phyp->c4_chp = 0x97e28000
S:-----------------------------------------------------------------
---------
S:version = 2.1
S:magic_id              0xc4234567      init_state              0x8
S:reset_reg_mem         0x1
S:ch_int0_en_bm         0x0             intr0_cause             0x0
S:ch_int1_en_bm         0x0             intr1_cause             0x0
S:ch_int2_en_bm         0x0             intr2_cause             0x0
S:ch                    0x43010080      ch_cfg
0xb7013ba0
S:raslog_hndl.hndl      0x0             obj_halted              0x0
S:c4_chip_regp          0x80000000      c4_fpg_regp
0x81800000
S:num_chip_timer        0x5
S:hi_task_bm            0x0             lo_task_bm              0x0
S:c4_deferq.q_head      0x0             c4_deferq.q_tail        0x0
S:c4_tmrq.q_head        0x0             c4_tmrq.q_tail          0x0
slot_no                 0
S:chip_inst             0               chip_idx                0
S:pll_initialized               1
pll_serdes_initialized  1
S:init_tries            0               init_ptEnableBM
0xba01b488
S:tick_polling          0xb980c9c0      sec_polling
0xb980c960
S:bb_fid                        129
S:ecb_key_bm[0]         0x0             ecb_key_bm[1]           0x0
S:ecb_key_bm[2]         0x0             ecb_key_bm[3]           0x0
S:is_chip_enc_enabled                   0
is_chip_comp_enabled    0x0
S:ftb_rsrcp->ftb_flags  0x0             act_rsrcp->act_flag     0x1
S:lue_rsrcp->lue_flags[0]       0x0             lue_rsrcp-
>lue_flags[1]   0x0
S:c4_phyp[00]: 0xb6ab0000 0xb6ab2080 0xb6ab4100 0xb6ab6180
S:c4_phyp[04]: 0xb6ab9040 0xb6abb0c0 0xb6abd140 0xb6ac0000
S:c4_phyp[08]: 0xb6ac2080 0xb6ac4100 0xb6ac6180 0xb6ac9040
```

```
S:c4_phyp[12]: 0xb6acb0c0 0xb6acd140 0xb6ad0000 0xb6ad2080
S:c4_phyp[16]: 0xb6ad4100 0xb6ad6180 0xb6ad9040 0xb6adb0c0
S:c4_phyp[20]: 0xb6add140 0xb6ae0000 0xb6ae2080 0xb6ae4100
S:c4_phyp[24]: 0xb6ae6180 0xb6ae9040 0xb6aeb0c0 0xb6aed140
S:c4_phyp[28]: 0xb6af0000 0xb6af2080 0xb6af4100 0xb6af6180
S:c4_phyp[32]: 0xb6af9040 0xb6afb0c0 0xb6afd140 0xb6b00000
S:c4_phyp[36]: 0xb6b02080 0xb6b04100 0xb6b06180 0xb6b09040
S:c4_phyp[40]: 0xb6b0b0c0 0xb6b0d140 0xb6b10000 0xb6b12080
S:c4_phyp[44]: 0xb6b14100 0xb6b16180 0xb6b19040 0xb6b1b0c0
S:c4_phyp[48]: 0xb6b1d140 0xb6b20000 0xb6b22080 0xb6b24100
S:c4_phyp[52]: 0xb6b26180 0xb6b29040 0xb6b2b0c0 0xb6b2d140
S:c4_phyp[56]: 0xb6b30000 0xb6b32080 0xb6b34100 0xb6b36180
S:c4_phyp[60]: 0xb6b39040 0xb6b3b0c0 0xb6b3d140 0xb6b40000
S:c4_lgcp[00]: 0x97f48000 0x97f4c000 0x97f50000 0x97f54000
S:c4_lgcp[04]: 0x97f58000 0x97f5c000 0x97f60000 0x97f64000
S:c4_lgcp[08]: 0x97f68000 0x97f6c000 0x97f70000 0x97f74000
S:c4_lgcp[12]: 0x97f78000 0x97f7c000 0x97f80000 0x97f84000
S:c4_lgcp[16]: 0x97f88000 0x97f8c000 0x97f90000 0x97f94000
S:c4_lgcp[20]: 0x97f98000 0x97f9c000 0x97fa0000 0x97fa4000
S:c4_lgcp[24]: 0x97fa8000 0x97fac000 0x97fb0000 0x97fb4000
S:c4_lgcp[28]: 0x97fb8000 0x97fbc000 0x97fc0000 0x97fc4000
S:c4_lgcp[32]: 0x97fc8000 0x97fcc000 0x97fd0000 0x97fd4000
S:c4_lgcp[36]: 0x97fd8000 0x97fdc000 0x97fe0000 0x97fe4000
S:c4_lgcp[40]: 0x97fe8000 0x97fec000 0x97ff0000 0x97ff4000
S:c4_lgcp[44]: 0x97ff8000 0x97ffc000 0x8e000000 0x8e004000
S:c4_lgcp[48]: 0x8e008000 0x8e00c000 0x8e010000 0x8e014000
S:c4_lgcp[52]: 0x8e018000 0x8e01c000 0x8e020000 0x8e024000
S:c4_lgcp[56]: 0x8e028000 0x8e02c000 0x8e030000 0x8e034000
S:c4_lgcp[60]: 0x8e038000 0x8e03c000 0x8e040000 0x8e044000
S:chip_timers[00]: 0xb980c720 0xb980c780 0xb980c7e0 0xb980c840
S:chip_timers[04]: 0xb980c8a0 0xb980c900
S:disc_trap_enable_required     0x0             rxlp_disc_log_stop
        0x0
S:curr_rxlp_frm_cnt     0x0             curr_rxlp_disc_frm_cnt  0x0
S:sw_disc_frm_cnt       0x0             last_disc_frm_cnt       0x0
S:txq_nopop_pr_cnt      0x0             pollErrataDfe_ptBM
0xba01b4b0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][0]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][1]  0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][2]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][0] 0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][1]       0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][2] 0x0
S:
S:C4 Logical Port Variables
S:-----------------------------------------------------------------
---------
S:c4_lgc_regp           0x81ce0000
S:c4_phyp:
S:      0xb6af0000      0x0             0x0             0x0

S:      0x0             0x0             0x0             0x0

S:master_phyp           0xb6af0000      if_id
```

```
0x4302001c
S:min_phyp              0x0             max_phyp                0x0
S:num_phy_ports         1               lgc_num                 28
S:num_iu_to             0               sw_txq_bm
        0
S:port_fid              128             unused                  0
S:port_group            3               lgc_stats_clear_ts
               1725611419
S:domain_tbl_sel                92              area_tbl_sel
        28
S:egid_tbl_sel          2
S:serv_lo_bm            0x0
S:
S:Proto Phy Variables:
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4123456      asic_phyp
0xb6af0000
S:port_id                       0x4302801c      phy_cfg
        0xb6af1040
S:upsm_hdl              0xb8018f00      physm_hdl
0xb8018c80
S:ov_snsm_hdl           0xb8018b40      sw_snsm_hdl
0xb8018be0
S:ov_lksm_hdl           0xb8018d20      sw_lksm_hdl
0xb8018dc0
S:trksm_hdl             0xb8018e60      lr_flag         0x0
S:lr_active             0x0             qsfp_txrx_rate_sel
        0x0
S:
S:UPSM      UP22: UPST_G_PORT           --> UP23: UPST_F_PORT
S:SNSM(OV)  SN02: OV_SNST_HW_NEG        --> SN04: OV_SNST_NEGOTIATED
S:SNSM(SW)  SW00: SW_SNST_STAGE_WS      --> SW00: SW_SNST_STAGE_WS
S:PHYSM     PP04: PHYST_NO_SYNC         --> PP05: PHYST_IN_SYNC
S:LKSM(OV)  LK07: OV_LKST_SW_RESET      --> LK04: OV_LKST_ACTIVE
S:LKSM(SW)  SW12: LR2_ACWT              --> SW00: AC
S:TRKSM     TRK0: TRKST_INIT            --> TRK0: TRKST_INIT
S:
S:physm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb880b900      physm_hdl
0xb8018c80
S:force_offline         0               copper                  0
S:fault_reason          0: UNKNOWN
S:phy_media_present             1
S:
S:snsm variables:
S:-------------------------------------------------------------------
---------
S:speed                 0x8             proto_phyp
0xb880b900
S:hw_sn_tries_left      0x64            sw_sn_tries_left        0x0
S:curr_txsp_count               0x0
```

```
S:tx_max                        0x0             curr_tx_indx
        0x0
S:curr_tx                       0x0             curr_rxsp_count
        0x0
S:rx_max                        0x0             curr_rx_indx
        0x0
S:curr_rx                       0x0             rx_mem
        0x0
S:rxsp_rec_count                0x0
S:nc_start              0x0             tx_start                0x0
S:sync_start            0x0             sync_present            0x0
S:diag_auto             0x0             diag_speed              0xff
S:striped_wd_tov                3000            hw_wd_tov
        3000
S:step                  0x0             qsfp28_speed_mode
        0x0
S:qsfp_mode0_hw_sn_tries_left           0x0
S:qsfp_mode1_hw_sn_tries_left           0x0
S:
S:lksm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb880b900      ov_lksm_hdl
0xb8018d20
sw_lksm_hdl             0xb8018dc0
num_lf1                 0
S:hw_link_tries_left    9               sw_link_tries_left      5
S:buf_ptype             0x1             stored_entry_state      0x2
S:handshake_owner               0x0             mark_unsent
        0x0
S:busybuf_stuck         0x0             lr_wait                 0x0
S:
S:trksm variables:
S:-------------------------------------------------------------------
---------
S:Not a trunk port
S:
S:upsm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb880b900      upsm_hdl
0xb8018f00
S:bb_credits            80              port_beacon             0
S:port_diag_flag                0               force_offline
        0
S:port_fault_rsn                0: PORT_NO_FAULT
S:retry_init_rsn                0: UNKNOWN
S:linit_reason          0               linit_result            0
S:ie_fctl_mode          0               fec_in_sync_tries_left  0
S:retry_sn_fail_init    0
retry_link_fail_init    0
S:excess_lr_count       0
S:
S:c4_ch_cfg
```

```
S:-------------------------------------------------------------------
---------
S:c4_desc_ring_size     256      292      256      256      292
292      2        292      292
S:thresh_def            0        16       1        0
S:intr_tries            500             cmem_pattern
0xdeadbeef
S:cmem_pattern_upwd     2               cmem_init_time          16
S:cmem_init_tries               5
S:ctrl_par_thresh               2               data_par_thresh
        4
S:cam_par_thresh                4               buf_loss_thresh
        12
S:crit_par_thresh               2               non_crit_par_thresh
        6
S:pci_abort_thresh      10              pci_err_thresh          5
S:excess_chintr_thresh  8               sw_err_thresh           20
S:err_sample_period     300             intr_sleep
20000
S:frame_timeout 2500            proxy_dev               16384
S:vf_route      81920           qos             2048
S:stats 2048            f_redirect              2048
S:rsp_trap      2048            lun_zoning              20480
S:area_mode     0               ftb_max_loop[0]         0
S:ftb_max_loop[1]       6               ftb_max_loop[2]         9
S:ftb_max_loop[3]       10              ftb_max_loop[4]         10
S:ftb_max_loop[5]       5               ftb_max_loop[6]         6
S:ftb_seg_size[0]       0               ftb_seg_size[1]
16384
S:ftb_seg_size[2]       65536           ftb_seg_size[3]
16384
S:ftb_seg_size[4]       16384           ftb_seg_size[5]
65536
S:ftb_seg_size[6]       16384           ftb_seg_base[0]         0
S:ftb_seg_base[1]       0               ftb_seg_base[2]
65536
S:ftb_seg_base[3]       16384           ftb_seg_base[4]
32768
S:ftb_seg_base[5]       131072          ftb_seg_base[6]
49152
asic_err_monitor_period1                300
asic_err_monitor_period2                86400
zone_chk_to_poll_period 25
zone_chk_class2_reject_tov              220
S:
S:c4_phy_cfg
S:-------------------------------------------------------------------
---------
S:version = 2.1
S:pt                    0x4302801c      fab_ptr
0x9a800000
S:fabattr                       0x9a8000d4      fab_iop
        0x9a800050
S:cfgbm                 0xbb84b624      port_ctrl
```

```
0xb6af1058
S:pcap.pcap_bm          0x8d215547      pcap.pcap2_bm
0x588289
S:pcap.pcap3_bm         0x1bebe0c
ui_idx                  37              S:slot_no
        0
is_icl                  0               S:sw_usr_ports          400
S:neg_speed             10 8 5 0 0 0
S:my_domain             0x1             port_mode               0x0
S:hw_sn_maxtries                100             sw_sn_maxtries
        0
S:hw_link_maxtries      10              sw_link_maxtries        5
S:rx_cyc_tov            28              rttov                   300
S:bufrdy_tov            300             busybuf_tov             286
S:mark_tov              300             lksm_tov                3000
S:buf_dealloc_wait      4               hw_wd_tov               3000
S:hw_lk_train_tov               540             hw_lk_test_tov
        150
S:syswait_tx_12_lips    1               lip_rx_tov              55
S:al_time_tov           15              lp_tov                  2000
S:intr_tries_port               500             intr_mod_debounce
        250
S:intr_lsr_flt_debounce 500             intr_efifo_debounce     100
S:port_no_fid           3               excess_ptintr_thresh    8
S:port_fault1_thresh    100             port_fault1_spur_thresh 250
S:port_fault1_disc_thresh       500
port_fault1_disc_spur_thresh    1000
S:port_fault2_thresh    5               losync_tov              100
S:port_sw_link_to               15              en_8g_scramble
        1
frc_hw_sn_mode          0x1
S:enc_poll_thresh               0               fec_enable
        0
S:fec_in_sync_to                50              fec_in_sync_try_max
        4
S:port_be_lto_threshold         100             port_be_lr_threshold
                2
S:be_cr_in_sync_to              5
port_credit_overrun_thresh              10
S:jda_sfp_losig_tov             400
jda_sfp_losig_try_max           30
S:striped_wd_tov                3000
no_sync_debounce                1200
S:
S:      fab_iop
S:======================================
S:fab_iop->interop_mode 0x0             fab_iop->lab_mode       0x0
S:fab_iop->fl_bbc               0x0             fab_iop->fl_fan
        0x0
S:fab_iop->fl_cls               0x4             fab_iop->fl_rscn
        0x0
S:fab_iop->domain_id_offset     0x60            fab_iop-
>mcdt_fabric_mode       0x0
S:fab_iop->mcdt_default_zone            0x0             fab_iop-
```

```
>mcdt_safe_zone         0x0
S:
S:      port_ctrl
S:=======================================
S:port_ctrl.port_type   1               port_ctrl.port_grp      3
S:port_ctrl.port_number 37              port_ctrl.vc_mode       1
S:
S:      port_ctrl.lcap
S:=======================================
S:has_serdes            0               has_media               1
S:topology              1               skip_nego               0
S:skip_pnego            0               skip_init_event         0
S:en_shim                       0               speed_neg
        1
S:loop_back             0               num_speeds              5
S:fec_enable            0
S:
S:      port_ctrl.speed_list array
S:=======================================
S:speed_list[0].auto_neg  1     speed_list[0].lnk_speed  0x0000000a
S:speed_list[1].auto_neg  1     speed_list[1].lnk_speed  0x00000008
S:speed_list[2].auto_neg  0     speed_list[2].lnk_speed  0x00000006
S:speed_list[3].auto_neg  1     speed_list[3].lnk_speed  0x00000005
S:speed_list[4].auto_neg  0     speed_list[4].lnk_speed  0x00000003
S:speed_list[5].auto_neg  0     speed_list[5].lnk_speed  0x00000000
S:
S:      port_ctrl.cm
S:=======================================
S:port_ctrl.cm.num_vcs          8
S:port_ctrl.cm.min_bufs         8
S:port_ctrl.cm.cr_shar_bufs     0
S:port_ctrl.vc_alloc
S:port_ctrl.vc_alloc            2 0 1 1 1 1 1 1
S:port_ctrl.vc_alloc            0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.norm_vc_alloc
S:port_ctrl.norm_vc_alloc       4 0 5 5 5 5 1 1
S:port_ctrl.norm_vc_alloc       0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.cm.skip_bb_credit           0
S:port_ctrl.cm.use_shim_based_sublist           0
S:
S:      port_ctrl.serdes_set
S:=======================================
S:serdes_type           0x8
S:serdes_data_t.ibm_hss_serdes.tx_drive_power           0x1
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b_sign      0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_a           0x0
S:serdes_data_t.ibm_hss_serdes.rxeq                     0x0
S:
S:      cfgbm
S:=======================================
S:old_distance          0x0             gport_lockdown          0x0
```

```
S:tport                 0x1             speed                   0x0
S:disable_eport         0x0             fcacc                   0x0
S:lport_lockdown                0x0             priv_lport_lockdown
        0x0
S:vcxlt_linit           0x0             delay_flogi             0x0
S:isl_interop           0x0             distance                0x0
S:BufStarvFlag          0x0             credit_sharing          0x0
S:lport_halfduplex      0x0             lport_fairness          0x0
S:soft_neg              0x0             asn_frc_hwretry         0x0
S:cr_recov              0x0             fport_buffers           0x0
S:export                        0x0             export_mode
        0x0
S:csctl_en              0x0             mirror_port             0x0
S:fault_delay           0x0             non_dfe                 0x0
S:fec_configured*(0=ENAB)       0               fec_tts
        0
S:port_persistently_disabled (permanently) 0 (0)
S:
S:      cfg property
S:======================================
S:priv_pcfg_bm          0x00000000      lgcl_pcfg_bm
0xbb84b664
S:fport_buffer          0x00000000
S:
S:
S:C4 Discard Cntrs: rxlp_stats = 0xb6af03b0
S:-------------------------------------------------------------------
---------
S:disc_mcast_wka        0x0             disc_inv_did            0x0
S:disc_cl1_cl4          0x0             disc_sid_chk_fail       0x0
S:disc_inv_dom_egid_txpt        0x9             disc_vft_hop_cnt_1
        0x0
S:disc_classf           0x0             disc_fcp_cdb_inv        0x0
S:disc_vfid_trap_enabled        0x0
disc_vfid_hdr_chk_fail  0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_ftb_vm_mode      0x0             disc_ftb_agn_t2_miss    0x0
S:disc_ecb_de_pad_err   0x0             disc_ecb_de_tag_err     0x0
S:disc_ecb_de_seq_err   0x0             disc_ecb_err            0x0
S:disc_ftb_type4_match  0x0             disc_fcp_rsp_ftb_type4  0x0
S:disc_fcp_rsp_ftb_type4        0x0             disc_ftb_type5_match
        0x0
S:disc_ftb_type3_match  0x0             disc_els_ftb_type3      0x0
S:disc_ftb_type1_match  0x0             disc_els_rsp_ex_port    0x0
S:disc_inv_drp_dps      0x0             disc_did_lookup_miss    0x0
S:disc_ftb_type2_match  0x0             disc_trpd_plogi_pdisc   0x0
S:disc_type2_lookup_miss        0x0             disc_ftb_type6_match
        0x0
S:disc_els_rep_ex_port  0x0             disc_els_sid_lkup_bit1  0x0
S:disc_els_sid_lkup_bit0        0x0
disc_bls_frm_trap_bit1  0x0
S:disc_ftb_token_err    0x0             disc_asic_internal_err  0x0
S:disc_hard_zone_miss   0x0             disc_lun_zone_miss      0x0
```

```
S:disc_flt_frame_disc   0x0             disc_flt_parity_err     0x0
S:disc_frame_marked_du  0x0             disc_frame_marked_to    0x0
E:Connection type: FE
E:Port type: F_port
E:Trunk port: No
E:Configured Speed: AUTO_SPEED_NEGO
E:Max Capable Speed: 32G
E:Current SNSM Speed: 16G
E:Hardware TX Speed: 16G (0x00000003)
E:Hardware RX Speed: 32G (0x00000040)
E:
E:Interrupts:   8           Link_failure:       1
Loss_of_sync:   0           Loss_of_sig:        1
E:Lli:          8           Invalid_word:       0
E:trapped_frm:  1075        fwd_status_ok:      1075
E:fwd_timeout:  0           fwd_tx_unavail:     0
E:fwd_unroutable:       0           fwd_zone_out:       0
E:fwd_other_err:        0           frm_err_discard:    0
E:Fltr listA:   0           Fltr listB:         0
E:Zone trap fwd:        0           Zone trap disc:     0
E:shim_csum:    0           RTE_perr:           0
E:Invalid_crc:  0           Delim_err:          0
E:Protocol_err: 0
E:Lr_in:        2           Lr_out:             1
E:Ols_in:       1           Ols_out:            1


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                FILTER DATA
                -----------
Shadow settings:
   Filter Enable: 0x00000420
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
```

```
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass: 0x00000019
Real settings:
   Enable RAM: 0x00000420, 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass RAM: 0x00000019

Shadowed filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        c4_fldenable[0] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[0] = 0x00000000,c4_fltr_config[0] = 0x00000000
```

```
Filter 1: Not Installed (MIRROR2)(LISTA)
        c4_fldenable[1] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[1] = 0x00000000,c4_fltr_config[1] = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        c4_fldenable[2] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[2] = 0x00000000,c4_fltr_config[2] = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        c4_fldenable[3] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[3] = 0x00000000,c4_fltr_config[3] = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        c4_fldenable[4] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[4] = 0x00000000,c4_fltr_config[4] = 0x00000000
Filter 5: Installed (ZONING TRAP)(LISTA)
        c4_fldenable[5] = 0x00000000 0x00000000 0x00000000
0x06007c10
        c4_fldnegate[5] = 0xfd9fffff,c4_fltr_config[5] = 0x000001c0
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        c4_fldenable[6] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[6] = 0x00000000,c4_fltr_config[6] = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        c4_fldenable[7] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[7] = 0x00000000,c4_fltr_config[7] = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        c4_fldenable[8] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[8] = 0x00000000,c4_fltr_config[8] = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        c4_fldenable[9] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[9] = 0x00000000,c4_fltr_config[9] = 0x00000000
Filter 10: Installed (WELL KNOWN ADDR)(FORWARD)
        c4_fldenable[10] = 0x00000001 0x00000000 0x00000000
0x00000000
        c4_fldnegate[10] = 0xfffffffe,c4_fltr_config[10] =
0x00000054
Filter 11: Not Installed (SIM)(LISTA)
        c4_fldenable[11] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[11] = 0x00000000,c4_fltr_config[11] =
0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        c4_fldenable[12] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[12] = 0x00000000,c4_fltr_config[12] =
0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        c4_fldenable[13] = 0x00000000 0x00000000 0x00000000
0x00000000
```

```
        c4_fldnegate[13] = 0x00000000,c4_fltr_config[13] =
0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        c4_fldenable[14] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[14] = 0x00000000,c4_fltr_config[14] =
0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        c4_fldenable[15] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[15] = 0x00000000,c4_fltr_config[15] =
0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        c4_fldenable[16] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[16] = 0x00000000,c4_fltr_config[16] =
0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        c4_fldenable[17] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[17] = 0x00000000,c4_fltr_config[17] =
0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        c4_fldenable[18] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[18] = 0x00000000,c4_fltr_config[18] =
0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        c4_fldenable[19] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[19] = 0x00000000,c4_fltr_config[19] =
0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        c4_fldenable[20] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[20] = 0x00000000,c4_fltr_config[20] =
0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        c4_fldenable[21] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[21] = 0x00000000,c4_fltr_config[21] =
0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        c4_fldenable[22] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[22] = 0x00000000,c4_fltr_config[22] =
0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        c4_fldenable[23] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[23] = 0x00000000,c4_fltr_config[23] =
0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        c4_fldenable[24] = 0x00000000 0x00000000 0x00000000
```

```
0x00000000
        c4_fldnegate[24] = 0x00000000,c4_fltr_config[24] =
0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        c4_fldenable[25] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[25] = 0x00000000,c4_fltr_config[25] =
0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        c4_fldenable[26] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[26] = 0x00000000,c4_fltr_config[26] =
0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        c4_fldenable[27] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[27] = 0x00000000,c4_fltr_config[27] =
0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        c4_fldenable[28] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[28] = 0x00000000,c4_fltr_config[28] =
0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        c4_fldenable[29] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[29] = 0x00000000,c4_fltr_config[29] =
0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        c4_fldenable[30] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[30] = 0x00000000,c4_fltr_config[30] =
0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        c4_fldenable[31] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[31] = 0x00000000,c4_fltr_config[31] =
0x00000000


Real filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
```

```
Filter 3: Not Installed (MIRROR4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x000e0000
Filter 5: Installed (ZONING TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x06007c10,
        fld negate ram = 0x019fffff, fltr config ram = 0x000e0000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 10: Installed (WELL KNOWN ADDR)(FORWARD)
        fld enable ram = 0x00000001, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x03fffffe, fltr config ram = 0x00000054
Filter 11: Not Installed (SIM)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000054
Filter 12: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
```

```
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
```

```
Filter 30: Not Installed (IPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000

Filter dirty indicator: 0x00000000
Performance filters: 0
Port Mirror filters: 0 (0x0)


                FIELD DATA
                ----------

Shadowed fields:

fldoffset[0] = 0x05,fldmask[0] = 0x00,fldvalue_dyna[0]:0xff 0x00
0x00 0x00
fldcontrol[0].inuse = 0x1000000  fldcontrol[0].refcnt = 0x01 0x00
0x00 0x00
fldoffset[1] = 0x00,fldmask[1] = 0x00,fldvalue_dyna[1]:0x00 0x00
0x00 0x00
fldcontrol[1].inuse = 0x0  fldcontrol[1].refcnt = 0x00 0x00 0x00
0x00
fldoffset[2] = 0x00,fldmask[2] = 0x00,fldvalue_dyna[2]:0x00 0x00
0x00 0x00
fldcontrol[2].inuse = 0x0  fldcontrol[2].refcnt = 0x00 0x00 0x00
0x00
fldoffset[3] = 0x00,fldmask[3] = 0x00,fldvalue_dyna[3]:0x00 0x00
0x00 0x00
fldcontrol[3].inuse = 0x0  fldcontrol[3].refcnt = 0x00 0x00 0x00
0x00
fldoffset[4] = 0x00,fldmask[4] = 0x00,fldvalue_dyna[4]:0x00 0x00
0x00 0x00
fldcontrol[4].inuse = 0x0  fldcontrol[4].refcnt = 0x00 0x00 0x00
0x00
fldoffset[5] = 0x00,fldmask[5] = 0x00,fldvalue_dyna[5]:0x00 0x00
0x00 0x00
fldcontrol[5].inuse = 0x0  fldcontrol[5].refcnt = 0x00 0x00 0x00
0x00
fldoffset[6] = 0x00,fldmask[6] = 0x00,fldvalue_dyna[6]:0x00 0x00
0x00 0x00
fldcontrol[6].inuse = 0x0  fldcontrol[6].refcnt = 0x00 0x00 0x00
0x00
fldoffset[7] = 0x00,fldmask[7] = 0x00,fldvalue_dyna[7]:0x00 0x00
0x00 0x00
fldcontrol[7].inuse = 0x0  fldcontrol[7].refcnt = 0x00 0x00 0x00
0x00
fldoffset[8] = 0x00,fldmask[8] = 0x00,fldvalue_dyna[8]:0x00 0x00
0x00 0x00
fldcontrol[8].inuse = 0x0  fldcontrol[8].refcnt = 0x00 0x00 0x00
```

```
0x00
fldoffset[9] = 0x00,fldmask[9] = 0x00,fldvalue_dyna[9]:0x00 0x00
0x00 0x00
fldcontrol[9].inuse = 0x0  fldcontrol[9].refcnt = 0x00 0x00 0x00
0x00
fldoffset[10] = 0x00,fldmask[10] = 0x00,fldvalue_dyna[10]:0x00 0x00
0x00 0x00
fldcontrol[10].inuse = 0x0  fldcontrol[10].refcnt = 0x00 0x00 0x00
0x00
fldoffset[11] = 0x00,fldmask[11] = 0x00,fldvalue_dyna[11]:0x00 0x00
0x00 0x00
fldcontrol[11].inuse = 0x0  fldcontrol[11].refcnt = 0x00 0x00 0x00
0x00
fldoffset[12] = 0x00,fldmask[12] = 0x00,fldvalue_dyna[12]:0x00 0x00
0x00 0x00
fldcontrol[12].inuse = 0x0  fldcontrol[12].refcnt = 0x00 0x00 0x00
0x00
fldoffset[13] = 0x00,fldmask[13] = 0x00,fldvalue_dyna[13]:0x00 0x00
0x00 0x00
fldcontrol[13].inuse = 0x0  fldcontrol[13].refcnt = 0x00 0x00 0x00
0x00
fldoffset[14] = 0x00,fldmask[14] = 0x00,fldvalue_dyna[14]:0x00 0x00
0x00 0x00
fldcontrol[14].inuse = 0x0  fldcontrol[14].refcnt = 0x00 0x00 0x00
0x00
fldoffset[15] = 0x00,fldmask[15] = 0x00,fldvalue_dyna[15]:0x00 0x00
0x00 0x00
fldcontrol[15].inuse = 0x0  fldcontrol[15].refcnt = 0x00 0x00 0x00
0x00
fldoffset[16] = 0x00,fldmask[16] = 0x00,fldvalue_dyna[16]:0x00 0x00
0x00 0x00
fldcontrol[16].inuse = 0x0  fldcontrol[16].refcnt = 0x00 0x00 0x00
0x00
fldoffset[17] = 0x00,fldmask[17] = 0x00,fldvalue_dyna[17]:0x00 0x00
0x00 0x00
fldcontrol[17].inuse = 0x0  fldcontrol[17].refcnt = 0x00 0x00 0x00
0x00
fldoffset[18] = 0x00,fldmask[18] = 0x00,fldvalue_dyna[18]:0x00 0x00
0x00 0x00
fldcontrol[18].inuse = 0x0  fldcontrol[18].refcnt = 0x00 0x00 0x00
0x00
fldoffset[19] = 0x00,fldmask[19] = 0x00,fldvalue_dyna[19]:0x00 0x00
0x00 0x00
fldcontrol[19].inuse = 0x0  fldcontrol[19].refcnt = 0x00 0x00 0x00
0x00

Real fields:

fldoffset RAM: 0x00000005, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fldmask RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fld value4 RAM:
0x000000ff
```

```
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
Field dirty indicator: 0x00000000

FDB reference count fdb: 0 [1 0 0 0 ]
FDB reference count fdb: 1 [0 0 0 0 ]
FDB reference count fdb: 2 [0 0 0 0 ]
FDB reference count fdb: 3 [0 0 0 0 ]
FDB reference count fdb: 4 [0 0 0 0 ]
FDB reference count fdb: 5 [0 0 0 0 ]
FDB reference count fdb: 6 [0 0 0 0 ]
FDB reference count fdb: 7 [0 0 0 0 ]
FDB reference count fdb: 8 [0 0 0 0 ]
FDB reference count fdb: 9 [0 0 0 0 ]
FDB reference count fdb: 10 [0 0 0 0 ]
FDB reference count fdb: 11 [0 0 0 0 ]
FDB reference count fdb: 12 [0 0 0 0 ]
FDB reference count fdb: 13 [0 0 0 0 ]
FDB reference count fdb: 14 [0 0 0 0 ]
FDB reference count fdb: 15 [0 0 0 0 ]
FDB reference count fdb: 16 [0 0 0 0 ]
FDB reference count fdb: 17 [0 0 0 0 ]
FDB reference count fdb: 18 [0 0 0 0 ]
FDB reference count fdb: 19 [0 0 0 0 ]

Filter counters:
   Filter counter 0: 0  (MIRROR1)
   Filter counter 1: 0  (MIRROR2)
   Filter counter 2: 0  (MIRROR3)
   Filter counter 3: 0  (MIRROR4)
   Filter counter 4: 0  (AEPORT_NON_MIRR_DROP)
   Filter counter 5: 0  (ZONING TRAP)
   Filter counter 6: 0  (FCR_EXPORT_DC)
   Filter counter 7: 0  (TIN TRAP)
   Filter counter 8: 0  (FICON CUP)
   Filter counter 9: 0  (FICON CUP DST)
   Filter counter 10: 0 (WELL KNOWN ADDR)
```

```
   Filter counter 11: 0 (SIM)
   Filter counter 12: 0 (UNUSED)
   Filter counter 13: 0 (UNUSED)
   Filter counter 14: 0 (UNUSED)
   Filter counter 15: 0 (UNUSED)
   Filter counter 16: 0 (PERF1)
   Filter counter 17: 0 (PERF2)
   Filter counter 18: 0 (PERF3)
   Filter counter 19: 0 (PERF4)
   Filter counter 20: 0 (PERF5)
   Filter counter 21: 0 (PERF6)
   Filter counter 22: 0 (PERF7)
   Filter counter 23: 0 (PERF8)
   Filter counter 24: 0 (PERF9)
   Filter counter 25: 0 (PERF10)
   Filter counter 26: 0 (PERF11)
   Filter counter 27: 0 (PERF12)
   Filter counter 28: 0 (OPM1)
   Filter counter 29: 0 (OPM2)
   Filter counter 30: 0 (IPM1)
   Filter counter 31: 0 (IPM2)

               ACL DATA
               --------
Logical port 28: Hard Zoning enabled, Soft Zoning disabled
Zone type: WWN Zoning
Frames with hard zone miss: 0

*** Please use filterportshow on user port 56 to display ACL hash
tables and Mirroring resources of thischip.
 ***We show this data only for the first physical port which is an
exernal port.

portFcPortCmdShow --slot 0 38 3
doing portFcPortCmdShow: arg1 = 3, arg2 = -2

portshow 38
portDisableReason: None
portCFlags: 0x1
portFlags: 0x20b03       PRESENT ACTIVE F_PORT G_PORT U_PORT
LOGICAL_ONLINE LOGIN NOELP ACCEPT FLOGI
LocalSwcFlags: 0x0
portType:  26.0
POD Port: Port is licensed
portState: 1    Online
Protocol: FC
portPhys:  6    In_Sync         portScn:   32   F_Port
port generation number:    32
state transition count:    11

portId:    012600
portIfId:    4302001b
portWwn:   20:26:d8:1f:cc:2c:99:90
portWwn of device(s) connected:
```

```
        20:08:94:90:10:e3:bd:d0
16b Area list:
Distance:  normal
portSpeed: N32Gbps

FEC: Active
Credit Recovery: Inactive
Aoq: Inactive
FAA: Inactive
F_Trunk: Inactive
LE domain: 0
Peer beacon: Off
FC Fastwrite: OFF
Interrupts:        9          Link_failure: 1          Frjt:
0
Unknown:           0          Loss_of_sync: 0          Fbsy:
0
Lli:               9          Loss_of_sig:  0
Proc_rqrd:         103        Protocol_err: 0
Timed_out:         0          Invalid_word: 0
Tx_unavail:        0          Invalid_crc:  0
Delim_err:         0          Address_err:  0
Lr_in:             1          Ols_in:       1
Lr_out:            1          Ols_out:      1


portloginshow 38
Type  PID     World Wide Name        credit df_sz cos
=====================================================
  fe  012600 20:08:94:90:10:e3:bd:d0   255  2048   8  scr=0x3
  ff  012600  20:08:94:90:10:e3:bd:d0     0     0   8  d_id=FFFC01
  ff  012600  20:08:94:90:10:e3:bd:d0     0     0   8  d_id=FFFFFA
  ff  012600  20:08:94:90:10:e3:bd:d0     0     0   8  d_id=FFFFFC


portloginshow 38 –history
 Type  PID      World Wide Name           logout time
============================================================
  fe  012600 20:08:94:90:10:e3:bd:d0    09/05/2024 06:39:21
  fe  012600 20:08:94:90:10:e3:bd:d0    09/05/2024 07:08:44
  fe  012600 20:08:94:90:10:e3:bd:d0    09/05/2024 07:38:13
  fe  012600 20:08:94:90:10:e3:bd:d0    09/06/2024 07:11:49
  fe  012600 20:08:94:90:10:e3:bd:d0    09/06/2024 08:28:56


portregshow 38

LED registers
=============
0x81cda000: c4_led_status           000000ff    0x81cda004:
c4_led_ctl              00000001

FPL registers
=============
```

```
0x81cd8200: fpl_port_config         23298232
0x81cd820c: fpl_port_id_ctl         00000005    0x81cd8210:
fpl_port_id_addr        00012600
0x81cd8214: fpl_port_speed          00000004    0x81cd821c:
fpl_lli_ctl             00000100
0x81cd8228: fpl_lli_os_ctl          bc55bf45    0x81cd822c:
fpl_lli_send_word       bc95b5b5
0x81cd8230: fpl_lli_mark_rx         00000000    0x81cd8234:
fpl_lli_rnd_trip_time   00000000
0x81cd8238: fpl_lli_ns_status       0a144000    0x81cd823c:
fpl_lli_intr_status     0a000000
0x81cd8244: fpl_lli_def             00144000    0x81cd8254:
fpl_lli_intr_enable_clr 305e4007
0x81cd8258: fpl_err_intr_status     00000100    0x81cd8260:
fpl_err_intr_enable_clr 00000000
0x81cd8268: fpl_err_first_error     00000000    0x81cd826c:
fpl_speed_neg_ctl       a404d3b8
0x81cd8270: fpl_speed_neg_stat      0000005e    0x81cd8274:
fpl_softasn_ctl         0000013f
0x81cd8278: fpl_link_init_ctl       00042d40    0x81cd827c:
fpl_link_init_stat      000000e0
0x81cd8280: fpl_aec_ctl             00181060    0x81cd8284:
fpl_aec_ctl2            04009f60
0x81cd8288: fpl_pcs_ctl             00000072    0x81cd828c:
fpl_fec_ctl             00000604
0x81cd8290: fpl_fec_cor             00000000    0x81cd8294:
fpl_fec_uncor           00000000
0x81cd8298: fpl_hss_link_ctl        0031f040    0x81cd829c:
fpl_afifo_link_ctl      00000a86
0x81cd82a0: fpl_echo_lb_ctl         0000028c    0x81cd82a4:
fpl_scratch             0000032a
0x81cd82a8: fpl_debug               00050005    0x81cd82ac:
fpl_misc_debug          000007f0
0x00000000: SW_shadow_reg           30040000    0x00000000:
SW_c4_phyp->cfgptr      00030003

per-fpg (per octet) registers
=============================
0x8181b82c: fpg_serdes_ctla0        81a37be7    0x8181b830:
fpg_serdes_ctla1        81a37be7
0x8181b834: fpg_serdes_ctlb0        81a1c3c3    0x8181b838:
fpg_serdes_ctlb1        81a1c3c3
0x8181b83c: fpg_serdes_xgmii_1ms    00067c28    0x8181b840:
fpg_serdes_regtimctl    40e47946
0x8181b844: fpg_serdes_asnrsttimctl 00000102

HSS PLL registers
=============================
0x81819400: 00_hssplla_vco_coarse_cal0      00000000    0x81819404:
01_hssplla_vco_coarse_cal1      00000014
0x81819408: 02_hssplla_vco_coarse_cal2      00000000    0x8181940c:
03_hssplla_vco_coarse_cal3      00000000
0x81819410: 04_hssplla_vco_coarse_cal4      00000000    0x81819424:
09_hssplla_power_ctl            00000000
```

```
0x81819428: 0A_hssplla_charge_pump_ctl      00000004    0x81819438:
0E_hssplla_pll_misc_ctl         00000000
0x8181943c: 0F_hssplla_pclk_ctl             000000f8    0x81819440:
10_hssplla_eyem_intv_ctl        00000000
0x81819444: 11_hssplla_eyem_intv_lim1       00000000    0x81819448:
12_hssplla_eyem_intv_lim2       00000000
0x8181944c: 13_hssplla_eyem_intv_lim3       00000000    0x81819450:
14_hssplla_eyem_intv_lim4       00000000
0x818194f0: 3C_hssplla_macro_tst_ctl4       00000000    0x818194f4:
3D_hssplla_macro_tst_ctl3       00000000
0x818194f8: 3E_hssplla_macro_tst_ctl2       00000000    0x818194fc:
3F_hssplla_macro_tst_ctl1       00000000
0x81819500: 00_hssplb_vco_coarse_cal0       0000000a    0x81819504:
01_hssplb_vco_coarse_cal1       00000014
0x81819508: 02_hssplb_vco_coarse_cal2       00000000    0x8181950c:
03_hssplb_vco_coarse_cal3       00000000
0x81819510: 04_hssplb_vco_coarse_cal4       00000000    0x81819524:
09_hssplb_power_ctl             00000000
0x81819528: 0A_hssplb_charge_pump_ctl       00000004    0x81819538:
0E_hssplb_pll_misc_ctl          00000000
0x8181953c: 0F_hssplb_pclk_ctl              000000f8    0x81819540:
10_hssplb_eyem_intv_ctl         00000000
0x81819544: 11_hssplb_eyem_intv_lim1        00000000    0x81819548:
12_hssplb_eyem_intv_lim2        00000000
0x8181954c: 13_hssplb_eyem_intv_lim3        00000000    0x81819550:
14_hssplb_eyem_intv_lim4        00000000
0x818195f0: 3C_hssplb_macro_tst_ctl4        00000000    0x818195f4:
3D_hssplb_macro_tst_ctl3        00000000
0x818195f8: 3E_hssplb_macro_tst_ctl2        00000000    0x818195fc:
3F_hssplb_macro_tst_ctl1        00000000

HSS TX registers
================
0x81818500: 00_hsstx_cfg_mode_PHY           00009f48    0x81818504:
01_hsstx_test_ctl               00000000
0x81818508: 02_hsstx_coeff_ctl_INV          00000000    0x8181850c:
03_hsstx_drv_mode_ctl           00000000
0x81818510: 04_hsstx_drv_ovrd_ctl           00000010    0x81818514:
05_hsstx_dclk_align_ovrd        00000080
0x81818518: 06_hsstx_imp_cal_ovrd           00000c0c    0x8181851c:
07_hsstx_dclk_drift_tol         00000004
0x81818520: 08_hsstx_tap0_coeff_TUNE        00000000    0x81818524:
09_hsstx_tap1_coeff_TUNE        00000003
0x81818528: 0A_hsstx_tap2_coeff_TUNE        00000019    0x8181852c:
0B_hsstx_tap3_coeff_TUNE        00000003
0x81818534: 0D_hsstx_pol_INV                0000000a    0x81818538:
0E_hsstx_ae_cmd                 00000000
0x8181853c: 0F_hsstx_ae_stat                00000000    0x81818540:
10_hsstx_ae_tap0_TUNE           00000000
0x81818544: 11_hsstx_ae_tap1_TUNE           00000000    0x81818548:
12_hsstx_ae_tap2_TUNE           00000028
0x8181854c: 13_hsstx_ae_tap3_TUNE           00000000    0x81818554:
15_hsstx_app_tune               0000120e
0x81818558: 16_hsstx_analog_diag            00000000    0x81818560:
```

```
18_hsstx_4x_seg_app             0000aa00
0x81818564: 19_hsstx_2x_seg_app             000000aa    0x81818568:
1A_hsstx_1x_seg_app             0000f5e4
0x8181856c: 1B_hsstx_seg_4x_term_app        0000000f    0x81818570:
1C_hsstx_seg_2x1x_term_app      00000001
0x81818574: 1D_hsstx_tap_sign_app           0000000a    0x81818578:
1E_hsstx_ext_addr_data          00000001
0x8181857c: 1F_hsstx_ext_addr_addr          00000000    0x81818580:
20_hsstx_pat_buf_bytes_1_0      00000000
0x81818584: 21_hsstx_pat_buf_bytes_3_2      00000000    0x81818588:
22_hsstx_pat_buf_bytes_5_4      00000000
0x8181858c: 23_hsstx_pat_buf_bytes_7_6      00000000    0x8181859c:
27_hsstx_8023az_ctl             00000000
0x818185a0: 28_hsstx_dcc_ctl                000060c0    0x818185a4:
29_hsstx_dcc_ovrd               00001000
0x818185a8: 2A_hsstx_dcc_app                0000010b    0x818185ac:
2B_hsstx_dcc_timeout            0000ffff
0x818185c0: 30_hsstx_tap_sign_ovrd          00000000    0x818185c8:
32_hsstx_seg_4x_ovrd            00000000
0x818185cc: 33_hsstx_seg_2x_ovrd            00000000    0x818185d0:
34_hsstx_seg_1x_ovrd            00000000
0x818185d8: 36_hsstx_tap_seg_4x_term_ovrd   00000000    0x818185dc:
37_hsstx_tap_seg_2x_term_ovrd   00000000
0x818185e0: 38_hsstx_tap_seg_1x_term_ovrd   00000000    0x818185ec:
3B_hsstx_mac_test_ctl5          00000000
0x818185f0: 3C_hsstx_mac_test_ctl4          00000000    0x818185f4:
3D_hsstx_mac_test_ctl3          00000000
0x818185f8: 3E_hsstx_mac_test_ctl2          00000000    0x818185fc:
3F_hsstx_mac_test_ctl1          000000c6

HSS RX registers
================
0x81818700: 00_hssrx_cfg_mode_PHY           00009e78    0x81818704:
01_hssrx_test_ctl               00000000
0x81818708: 02_hssrx_phs_rot_ctl            0000cb80    0x8181870c:
03_hssrx_phs_rot_ofs_ctl        00004610
0x81818710: 04_hssrx_phs_rot_posn1          00003f37    0x81818714:
05_hssrx_phs_rot_posn2          00000023
0x81818718: 06_hssrx_phs_rot_sta_ofs1       00000100    0x8181871c:
07_hssrx_phs_rot_sta_ofs2       0000001f
0x81818720: 08_hssrx_dfe_ctl_PHY            00002002    0x81818724:
09_hssrx_dfe_smpl_snap1         00000000
0x81818728: 0A_hssrx_dfe_smpl_snap2         00000000    0x8181872c:
0B_hssrx_vga_ctl1               000041da
0x81818730: 0C_hssrx_vga_ctl2               00007a93    0x81818734:
0D_hssrx_vga_ctl3               000009e4
0x81818738: 0E_hssrx_pwr_mgmnt_ctl          0000001f    0x8181873c:
0F_hssrx_iqamp_ctl1             00000019
0x81818740: 10_hssrx_iqamp_ctl2             00000004    0x81818744:
11_hssrx_dacap_dacan_sel        00000003
0x81818748: 12_hssrx_dacap_dacan            00001de2    0x8181874c:
13_hssrx_daca_min               0000000d
0x81818750: 14_hssrx_adac_ctl               00000000    0x81818754:
15_hssrx_ac_cp_ctl              000031c3
```

```
0x81818758: 16_hssrx_ac_cp_val              00008053    0x8181875c:
17_hssrx_dfe_h1h2h3_lcl_off_ch  00000014
0x81818760: 18_hssrx_dfe_h1h2h3_lcl_off_val 0000003f    0x81818764:
19_hssrx_peaked_intg            000000ff
0x81818768: 1A_hssrx_cdr_analog_sw          0000ce00    0x8181876c:
1B_hssrx_peaking_amp_init_c_PHY 00000000
0x81818770: 1C_hssrx_dac_dpc                00003031    0x81818774:
1D_hssrx_ddc                    00002a01
0x81818778: 1E_hssrx_int_stat_PHY           0000ef9f    0x8181877c:
1F_hssrx_dfe_func_ctl1_PHY      0000ffff
0x81818780: 20_hssrx_dfe_func_ctl2_INV      00007eff    0x81818784:
21_hssrx_ofs_ch_dcc_qcc_idx     00002000
0x81818788: 22_hssrx_dfe_ofs_val            00000805    0x8181878c:
23_hssrx_h_coeff_bist           00000401
0x81818790: 24_hssrx_ac_cap_bist            000000b2    0x81818794:
25_hssrx_max_gain_path_idx_res  00007816
0x81818798: 26_hssrx_loff_ctl               00000056    0x8181879c:
27_hssrx_sigdet_ctl             000021a0
0x818187a0: 28_hssrx_ana_ctl_sw             00000000    0x818187a4:
29_hssrx_intg_dac_ofs           0000aee1
0x818187a8: 2A_hssrx_eye_ctl                00003400    0x818187ac:
2B_hssrx_eye_met                00000004
0x818187b0: 2C_hssrx_eye_met_err_cnt        00000000    0x818187b4:
2D_hssrx_eye_met_pdf_eyec       00000000
0x818187b8: 2E_hssrx_eye_met_pat_len        0000007f    0x818187bc:
2F_hssrx_dfe_func_ctl3          0000dfff
0x818187c0: 30_hssrx_dfe_tap_ctl_idx_ptr    00000008    0x818187c4:
31_hssrx_dfe_tap                00002515
0x818187c8: 32_hssrx_lte_ctl_TUNE           00000600    0x818187e4:
39_hssrx_int_stat2              000041ff
0x818187e8: 3A_hssrx_ac_cpl_cur_src_adj     00000040    0x818187ec:
3B_hssrx_dcd_ctl                00007c42
0x818187f0: 3C_hssrx_dcc_ctl                00000d41    0x818187f4:
3D_hssrx_qcc_ctl                00006944
0x818187f8: 3E_hssrx_mac_test_ctl2          00000000    0x818187fc:
3F_hssrx_mac_test_ctl1          00000000
0x81818748: 12_hssrx_dacap_dacan[02]                20df 1de2
0x81818760: 18_hssrx_dfe_h1h2h3_lcl_off_va[00]      3f3f 3f3d   023e
3f01   003f 023f   023e 013d
0x81818760: 18_hssrx_dfe_h1h2h3_lcl_off_va[08]      3e00 0100   0101
013f   003d 3d02   3f01 013e
0x81818760: 18_hssrx_dfe_h1h2h3_lcl_off_va[16]      023c 013c   0100
043f   003f
0x81818788: 22_hssrx_dfe_ofs_val[00][00]            0805 7f7f   7901
007f   7f79 0000
0x81818788: 22_hssrx_dfe_ofs_val[03][00]            0700 7f00   7c04
0000   0102 0000
0x81818788: 22_hssrx_dfe_ofs_val[06][00]            007d 0000   007d
0000   7e02 0000
0x81818788: 22_hssrx_dfe_ofs_val[09][00]            0207 7f7f   0202
0000   0a7a 0000
0x81818788: 22_hssrx_dfe_ofs_val[12][00]            7b7a 0000   7d04
0000   0003 0000
0x81818788: 22_hssrx_dfe_ofs_val[15][00]            0979 7f00   0302
```

```
7f7f   7c03 007f
0x81818788: 22_hssrx_dfe_ofs_val[18][00]           0203 7f00   027a
0000   0004 007f
0x81818788: 22_hssrx_dfe_ofs_val[21][00]           0004 007f   0004
007f   0004 007f
0x81818788: 22_hssrx_dfe_ofs_val[24][00]           7e78 0000   017f
7f00   7d7c 0000
0x81818794: 25_hssrx_max_gain_path_idx_res[00]     0054 083e   1112
18ad   20ef 28a5   308b 3816
0x81818794: 25_hssrx_max_gain_path_idx_res[08]     40bf 488a   5076
580d   6040 6828   70d7 7816
0x818187c4: 31_hssrx_dfe_tap[00]                   fffe 898a   2626
1100   0022 0024   2630 2513
0x818187c4: 31_hssrx_dfe_tap[08]                   2515 1222   1122
0000
0x818187e8: 3A_hssrx_ac_cpl_cur_src_adj[00]        0040 0040   0040
0040
0x818187ec: 3B_hssrx_dcd_ctl[00]                   7c42 5c00   7c43
5c00   7c00
0x818187f0: 3C_hssrx_dcc_ctl[00]                   0d41 0d84   0d41
0d82
0x818187f4: 3D_hssrx_qcc_ctl[00]                   698b 6944

xfipcs, fec, aec, & aet registers
=================================
0x81cd8400: xfipcs_reg              [00] 00002040 00000004 00000000
00000000    00000001 00000008 00000000 00000000
0x81cd8420: xfipcs_reg              [08] 00008001 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81cd8440: xfipcs_reg              [16] 00000000 00000000 00000000
00000000    00000040 00000000 00000000 00000000
0x81cd8460: xfipcs_reg              [24] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81cd8480: xfipcs_reg              [32] 00001005 00008000 00000000
00000000    00000000 00000000 00000000 00000000
0x81cd8620: fec_32g_128g_reg        [08] 00000002 0000c003 00000000
00000000    00000000 00000000 00000000
0x81cd8648: fec_32g_128g_reg        [18] 0000000b 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81cd8a00: aec_reg                 [00] 00000000 0000b000 0000c800
00008000    00000744 0000c510 00000010 00002496
0x81cd8c00: aet_reg                 [00] 000000b0 00007000 000008c4
00000000    00000009

bbc registers
=============
0x81cd9800: bbc_trc                 255  0    0    0    0    0    0
0
0x81cd9840: bbc_trc                 0    0    0    0    0    0    0
0
0x81cd9880: bbc_trc                 0    0    0    0    0    0    0
0
0x81cd98c0: bbc_trc                 0    0    0    0    0    0    0
0
```

```
0x81cd9900: bbc_trc                 0    0    0    0    0    0    0
0
0x81cd9804: bbc_mbc                 0    0    0    0    0    0    0
0
0x81cd9844: bbc_mbc                 0    0    0    0    0    0    0
0
0x81cd9884: bbc_mbc                 0    0    0    0    0    0    0
0
0x81cd98c4: bbc_mbc                 0    0    0    0    0    0    0
0
0x81cd9904: bbc_mbc                 0    0    0    0    0    0    0
0
0x81cd9a00: bbc_rcc                 0    0    0    0    0    0    0
0
0x81cd9a20: bbc_rcc                 0    0    0    0    0    0    0
0
0x81cd9a40: bbc_rcc                 0    0    0    0    0    0    0
0
0x81cd9a60: bbc_rcc                 0    0    0    0    0    0    0
0
0x81cd9a80: bbc_rcc                 0    0    0    0    0    0    0
0
0x81cd9c00: bbc_rqc                 0    0    0    0    0    0    0
0
0x81cd9c20: bbc_rqc                 0    0    0    0    0    0    0
0
0x81cd9c40: bbc_rqc                 0    0    0    0    0    0    0
0
0x81cd9c60: bbc_rqc                 0    0    0    0    0    0    0
0
0x81cd9c80: bbc_rqc                 0    0    0    0    0    0    0
0
0x81cd9d00: bbc_fbpc                00000000    0x81cd9d04: bbc_csc
00000000
0x81cd9d08: bbc_rcc_inc             00000000    0x81cd9d0c:
bbc_rqc_inc             00000000
0x81cd9d10: bbc_fbpc_inc            00000000    0x81cd9d14:
bbc_tmc_inc             00000000
0x81cd9d18: bbc_threshold           00000010    0x81cd9d1c:
bbc_counter_clr         00000000
0x81cd9d20: bbc_debug_en            00000000    0x81cd9d24: bbc_ctrl
00200120
0x81cd9d28: bbc_rqc_rcc_thresh      00000055    0x81cd9d34:
bbc_bb_sc_n             00000000
0x81cd9d38: bbc_crd_reco_debug      00000000    0x81cd9d3c:
bbc_crd_reco_debug_data 00000000
0x81cd9d40: bbc_multi_frm_loss_cnt  00000000    0x81cd9d44:
bbc_multi_rdy_loss_cnt  00000000
0x81cd9d48: bbc_1frm_loss_recov_cnt 00000000    0x81cd9d4c:
bbc_1rdy_loss_recov_cnt 00000000
0x81cd9d58: bbc_int_status          00000000    0x81cd9d5c:
bbc_int_set             00000000
0x81cd9d60: bbc_int_first           00000000    0x81cd9d64:
bbc_frm_rdy_rx_err_addr 00000000
```

```
0x81cd9d68: bbc_frm_rdy_tx_err_addr 00000000    0x81cd9d6c:
bbc_trc_mbc_err_addr    00000000
0x81cd9d70: bbc_frm_rdy_rx_dbl_ecc  00000000    0x81cd9d74:
bbc_frm_rdy_tx_dbl_ecc  00000000
0x81cd9d78: bbc_trc_mbc_dbl_ecc     00000000
0x81cd9d7c: bbc_fsm_status          00001011    0x81cd9d80:
bbc_force_err           00000000
0x81cd9d84: bbc_crdt_avail0         ffffffff    0x81cd9d88:
bbc_crdt_avail1         000000ff
0x81cd9d8c: bbc_scratch             00000000

FPS registers
=============
0x81cd8004: fps_er_enc_in           00000000    0x81cd8008:
fps_er_crc              00000000
0x81cd800c: fps_er_trunc            00000000    0x81cd8010:
fps_er_toolong          00000000
0x81cd8014: fps_er_bad_eof          00000000    0x81cd8018:
fps_er_enc_out          00000000
0x81cd801c: fps_er_bad_os           00000000    0x81cd8020:
fps_er_flush            00000000
0x81cd8024: fps_er_ifg              00000000    0x81cd8038:
fps_er_crc_good_eof     00000000
0x81cd803c: fps_inv_arb             00000000    0x81cd8040:
fps_slow_sts_status     00000000
0x81cd8044: fps_tx_frm_cnt          03c07127    0x81cd8048:
fps_rx_frm_cnt          01852bf6
0x81cd8050: fps_tx_word_cnt_hi      00000006    0x81cd804c:
fps_tx_word_cnt_lo      f5cdb781
0x81cd8058: fps_rx_word_cnt_hi      00000001    0x81cd8054:
fps_rx_word_cnt_lo      ff075b11

BAL registers
=============
0x81cdf000: bal_desired_buf         00000014    0x81cdf004:
bal_alloc_buf           00000014
0x81cdf008: bal_busy_buf            00000002    0x81cdf00c:
bal_usable_buf          00000014
0x81cdf010: bal_max_bor_buf         00000000
0x81cdf014: bal_busy_buf_thresh     00000002

TXQ registers
=============
0x81cdb004: txq_phys_port_ctl       00eb0000
0x81cdb050: txq_link_skew           00000000
0x81cdb068: txq_cr_lk_dttn_intr_sts [00] 00000000 00000000
0x81cdb070: txq_cr_lk_dttn_intr_en  [00] 00000001 00000000
0x81cdb024: txq_disc_frm_trap_cnt   00000014

FDS registers
=============
0x81cdc000: fds_rxf_ctl             0000000a    0x81cdc004:
fds_rxf_wait_thresh     00000909
0x81cdc018: fds_rxf_first_error     00000000    0x81cdc01c:
```

```
fds_rxf_first_error_info00000000
0x81cdc020: fds_rxf_inout_pkt_cnt   540b540b
0x81cdc008: fds_rxf_err_int_status  00000000    0x81cdc024:
fds_rxf_fifo_status     0048c888
0x81cdd000: fds_txf_ctl             0000003a    0x81cdd004:
fds_txf_wait_ifg_thresh 00a00106
0x81cdd008: fds_txf_err_int_status  00000000    0x81cdd024:
fds_txf_fifo_status     00088888
0x81cdd02c: fds_txf_bbc_scs         00000000

Logical TXQ registers
=====================
0x81cdb000: txq_log_port_ctl        00000011    0x81cdb008:
txq_port_status         00000000
0x81cdb00c: txq_todo_flags          [00] 00000000 00000000
0x81cdb014: txq_spd_match_desc      [00] 00000000 395c395c 316b316b
00000000
0x81cdb024: txq_spd_match_desc      [04] 00000014
0x81cdb028: txq_vc_weight           [00] 25252501 19010125 3c3c3c19
25013c3c
0x81cdb038: txq_vc_weight           [04] 01252525 01010101 01010101
01010101
0x81cdb048: txq_vc_weight           [08] 01010101 00010101
0x81cdb054: txq_cong_dttn_ctrl      00000106
0x81cdb058: txq_cong_dttn_intr_sts  [00] 00000000 00000000
0x81cdb060: txq_cong_dttn_intr_en   [00] 00000000 00000000
0x81cdb078: txq_bw_limit_en_reg     [00] 00000000 00000000
0x81cdb080: txq_bw_gua_en_reg       [00] 00000000 00000000
0x81cdb088: txq_vc_group            [00] 03030300 03030303 03030303
03030303
0x81cdb098: txq_vc_group            [04] 03030303 03030303 03030303
03030303
0x81cdb0a8: txq_vc_group            [08] 03030303 03030303 00000000
00000000
0x81cdb0b0: txq_bw_thresh_group     [00] 00000000 00000000 00000000
00000000
0x81cdb0c0: txq_bw_thresh_group     [04] 00000000 00000000 00000000
00000000
0x81cdb0d0: txq_bw_thresh_group     [08] 00000000 00000000 00000000
00000000
0x81cdb0e0: txq_bw_thresh_group     [12] 00000000 00000000 00000000
00000000
0x81cdb0f0: txq_bw_thresh_group     [16] 00000000 00000000 00000000
00000000
0x81cdb100: txq_bw_thresh_group     [20] 00000000 00000000 00000000
00000000
0x81cdb110: txq_bw_thresh_group     [24] 00000000 00000000 00000000
00000000
0x81cdb120: txq_bw_thresh_group     [28] 00000000 00000000 00000000
00000000
0x81cdb130: txq_bw_thresh_group     [32] 00000000 00000000 00000000
00000000
0x81cdb140: txq_bw_thresh_group     [36] 00000000 00000000 00000000
00000000
```

```
txq Congestion detection Statistics RAM
=======================================
0x810910e0: vc[0]       00000000        0x810910e4: vc[1]
00000000
0x810910e8: vc[2]       00000000        0x810910ec: vc[3]
00000000
0x810910f0: vc[4]       00000000        0x810910f4: vc[5]
00000000
0x810910f8: vc[6]       00000000        0x810910fc: vc[7]
00000000
0x81091100: vc[8]       00000000        0x81091104: vc[9]
00000000
0x81091108: vc[10]      00000000        0x8109110c: vc[11]
00000000
0x81091110: vc[12]      00000000        0x81091114: vc[13]
00000000
0x81091118: vc[14]      00000000        0x8109111c: vc[15]
00000000
0x81091120: vc[16]      00000000        0x81091124: vc[17]
00000000
0x81091128: vc[18]      00000000        0x8109112c: vc[19]
00000000
0x81091130: vc[20]      00000000        0x81091134: vc[21]
00000000
0x81091138: vc[22]      00000000        0x8109113c: vc[23]
00000000
0x81091140: vc[24]      00000000        0x81091144: vc[25]
00000000
0x81091148: vc[26]      00000000        0x8109114c: vc[27]
00000000
0x81091150: vc[28]      00000000        0x81091154: vc[29]
00000000
0x81091158: vc[30]      00000000        0x8109115c: vc[31]
00000000
0x81091160: vc[32]      00000000        0x81091164: vc[33]
00000000
0x81091168: vc[34]      00000000        0x8109116c: vc[35]
00000000
0x81091170: vc[36]      00000000        0x81091174: vc[37]
00000000
0x81091178: vc[38]      00000000        0x8109117c: vc[39]
00000000


Logical STS registers
=====================
0x815854c4: sts_ftb_type1_miss      00000000
0x815854c8: sts_ftb_type2_miss      00000000
0x815854cc: sts_ftb_type6_miss      00000000
0x815854d0: sts_hard_zoning_miss    00000000
0x815854d4: sts_lun_zoning_miss     00000000
0x815854dc: sts_unroutable          00000000
0x815824f4: sts_rte_cl2             00000000    0x815824f8:
```

```
sts_rte_cl3             01852bf6        0x815824fc: sts_rte_link_ctl
00000000        0x815854e8: sts_tx_timeout          00000000

Logical STS filter registers
====================
0x81585440: sts_flt_trig            [00] 00000000 00000000 00000000
00000000
0x81585450: sts_flt_trig            [04] 00000000 00000000 00000000
00000000
0x81585460: sts_flt_trig            [08] 00000000 00000000 00000000
00000000
0x81585470: sts_flt_trig            [12] 00000000 00000000 00000000
00000000
0x81585480: sts_flt_trig            [16] 00000000 00000000 00000000
00000000
0x81585490: sts_flt_trig            [20] 00000000 00000000 00000000
00000000
0x815854a0: sts_flt_trig            [24] 00000000 00000000 00000000
00000000
0x815854b0: sts_flt_trig            [28] 00000000 00000000 00000000
00000000
0x815854c0: sts_flt_trig            [32]

Logical STS discard registers
====================
0x8158373c: disc_mcast_wka          00000000    0x81583740:
disc_inv_did            00000000
0x81583744: disc_cl1_cl4            00000000    0x81583748:
disc_sid_chk_fail       00000000
0x8158374c: disc_inv_dom_egid_txpt  00000000    0x81583750:
disc_vft_hop_cnt_1      00000000
0x81583754: disc_classf             00000000    0x81583758:
disc_fcp_cdb_inv        00000000
0x8158375c: disc_vfid_trap_enabled  00000000    0x81583760:
disc_vfid_hdr_chk_fail  00000000
0x81583764: disc_shim_cksum_fail    00000000    0x81583768:
disc_fed_edit_cmd_err   00000000
0x8158376c: disc_ftb_vm_mode        00000000    0x81583770:
disc_ftb_agn_t2_miss    00000000
0x81583774: disc_ecb_reserved       00000000    0x81583778:
disc_ecb_de_pad_err     00000000
0x8158377c: disc_ecb_de_tag_err     00000000    0x81583780:
disc_ecb_de_seq_err     00000000
0x81583784: disc_ecb_err            00000000    0x81583788:
disc_ftb_type4_match    00000000
0x8158378c: disc_fcp_rsp_ftb_type4  00000000    0x81583790:
disc_ftb_type5_match    00000000
0x81583794: disc_ftb_type3_match    00000000    0x81583798:
disc_els_ftb_type3      00000000
0x8158379c: disc_ftb_type1_match    00000000    0x815837a0:
disc_els_rsp_ex_port    00000000
0x815837a4: disc_inv_drp_dps        00000000    0x815837a8:
disc_did_lookup_miss    00000000
0x815837ac: disc_ftb_type2_match    00000000    0x815837b0:
```

```
disc_trpd_plogi_pdisc   00000000
0x815837b4: disc_type2_lookup_miss  00000000    0x815837b8:
disc_ftb_type6_match    00000000
0x815837bc: disc_els_rep_ex_port    00000000    0x815837c0:
disc_els_sid_lkup_bit1  00000000
0x815837c4: disc_els_sid_lkup_bit0  00000000    0x815837c8:
disc_bls_frm_trap_bit1  00000000
0x815837cc: disc_ftb_token_err      00000000    0x815837d0:
disc_asic_internal_err  00000000
0x815837d4: disc_hard_zone_miss     00000000    0x815837d8:
disc_lun_zone_miss      00000000
0x815837dc: disc_flt_frame_disc     00000000    0x815837e0:
disc_flt_parity_err     00000000
0x815837e4: disc_frame_marked_du    00000000    0x815837e8:
disc_frame_marked_to    00000000
0x815837ec: disc_lkup_rte_prty_err  00000000


portstatsshow 38
stat_wtx                29893479670         4-byte words transmitted
stat_wrx                8573556969          4-byte words received
stat_ftx                62943046            Frames transmitted
stat_frx                25504523            Frames received
stat_c2_frx             0                   Class 2 frames received
stat_c3_frx             25504758            Class 3 frames received
stat_lc_rx              0                   Link control frames
received
stat_mc_rx              0                   Multicast frames
received
stat_mc_to              0                   Multicast timeouts
stat_mc_tx              0                   Multicast frames
transmitted
tim_txcrd_z             0                   Time TX Credit Zero
(2.5Us ticks)
tim_txcrd_z_vc  0- 3:  0           0           0           0
tim_txcrd_z_vc  4- 7:  0           0           0           0
tim_txcrd_z_vc  8-11:  0           0           0           0
tim_txcrd_z_vc 12-15:  0           0           0           0
lat_tot_pkt_vc  0- 3:  1           1           1           1
lat_tot_pkt_vc  4- 7:  1           1           1           1
lat_tot_pkt_vc  8-11:  1           1           1           1
lat_tot_pkt_vc 12-15:  1           1           1           1
lat_hi_time_vc  0- 3:  0           0           0           0
lat_hi_time_vc  4- 7:  0           0           0           0
lat_hi_time_vc  8-11:  0           0           0           0
lat_hi_time_vc 12-15:  0           0           0           0
lat_lo_time_vc  0- 3:  1           1           1           1
lat_lo_time_vc  4- 7:  1           1           1           1
lat_lo_time_vc  8-11:  1           1           1           1
lat_lo_time_vc 12-15:  1           1           1           1
max_latency_vc  0- 3:  1           1           1           1
max_latency_vc  4- 7:  1           1           1           1
max_latency_vc  8-11:  1           1           1           1
max_latency_vc 12-15:  1           1           1           1
```

```
latency_dma_ts          09-09-2024 UTC Mon 08:47:24            TXQ
Latency DMA TimeStamp
fec_cor_detected        3896                Count of blocks that
were corrected by FEC
fec_uncor_detected      0                   Count of blocks that
were left uncorrected by FEC
er_enc_in               0                   Encoding errors inside
of frames
er_crc                  0                   Frames with CRC errors
er_trunc                0                   Frames shorter than
minimum
er_toolong              0                   Frames longer than
maximum
er_bad_eof              0                   Frames with bad end-of-
frame
er_enc_out              0                   Encoding error outside
of frames
er_bad_os               0                   Invalid ordered set
er_pcs_blk              0                   PCS block errors
er_rx_c3_timeout        0                   Class 3 receive frames
discarded due to timeout
er_tx_c3_timeout        0                   Class 3 transmit frames
discarded due to timeout
er_unroutable           0                   Frames that are
unroutable
er_unreachable          0                   Frame with unreachable
destination
er_other_discard        0                   Other discards
er_type1_miss           0                   frames with FTB type 1
miss
er_type2_miss           0                   frames with FTB type 2
miss
er_type6_miss           0                   frames with FTB type 6
miss
er_zone_miss            0                   frames with hard zoning
miss
er_lun_zone_miss        0                   frames with LUN zoning
miss
er_crc_good_eof         0                   Crc error with good eof
er_inv_arb              0                   Invalid ARB
er_single_credit_loss   0                   Single vcrdy/frame loss
on link
er_multi_credit_loss    0                   Multiple vcrdy/frame
loss on link
other_credit_loss       0                   Link timeout/complete
credit loss
phy_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
phy_port stats clear
lgc_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
lgc_port stats clear
fec_corrected_rate      1.50e-02            FEC Corrected blocks per
second

portstats64show 38
```

```
stat64_wtx      6           top_int : 4-byte words transmitted
                4122143366  bottom_int : 4-byte words transmitted
stat64_wrx      1           top_int : 4-byte words received
                4278104305  bottom_int : 4-byte words received
stat64_ftx      0           top_int : Frames transmitted
                62939702    bottom_int : Frames transmitted
stat64_frx      0           top_int : Frames received
                25502928    bottom_int : Frames received
stat64_c2_frx   0           top_int : Class 2 frames received
                0           bottom_int : Class 2 frames received
stat64_c3_frx   0           top_int : Class 3 frames received
                25503878    bottom_int : Class 3 frames received
stat64_lc_rx    0           top_int : Link control frames received
                0           bottom_int : Link control frames
received
stat64_mc_rx    0           top_int : Multicast frames received
                0           bottom_int : Multicast frames received
stat64_mc_to    0           top_int : Multicast timeouts
                0           bottom_int : Multicast timeouts
stat64_mc_tx    0           top_int : Multicast frames transmitted
                0           bottom_int : Multicast frames
transmitted
tim64_rdy_pri   0           top_int : Time R_RDY high priority
                0           bottom_int : Time R_RDY high priority
tim64_txcrd_z   0           top_int : Time BB_credit zero
                0           bottom_int : Time BB_credit zero
er64_enc_in     0           top_int : Encoding errors inside of
frames
                0           bottom_int : Encoding errors inside of
frames
er64_crc        0           top_int : Frames with CRC errors
                0           bottom_int : Frames with CRC errors
er64_trunc      0           top_int : Frames shorter than minimum
                0           bottom_int : Frames shorter than minimum
er64_toolong    0           top_int : Frames longer than maximum
                0           bottom_int : Frames longer than maximum
er64_bad_eof    0           top_int : Frames with bad end-of-frame
                0           bottom_int : Frames with bad end-of-
frame
er64_enc_out    0           top_int : Encoding error outside of
frames
                0           bottom_int : Encoding error outside of
frames
er64_disc_c3    0           top_int : Class 3 frames discarded
                0           bottom_int : Class 3 frames discarded
er64_pcs_blk    0           top_int : PCS block errors
                0           bottom_int : PCS block errors
stat64_fec_uncor        0           top_int : FEC uncorrected errors
detected
                        0           bottom_int : FEC uncorrected
errors detected
stat64_rateTxFrame      2052        Tx frame rate (fr/sec)
stat64_rateRxFrame      812         Rx frame rate (fr/sec)
stat64_rateTxPeakFrame  0           Tx peak frame rate (fr/sec)
```

```
stat64_rateRxPeakFrame  0           Rx peak frame rate (fr/sec)
stat64_rateTxWord       974848      Tx Word rate (words/sec)
stat64_rateRxWord       268358      Rx Word rate (words/sec)
stat64_rateTxPeakWord   0           Tx peak Word rate (words/sec)
stat64_rateRxPeakWord   0           Rx peak Word rate (words/sec)
stat64_PRJTFrames       0           top_int : Number of PRJT frames
returned to this port
                        0           bottom_int : Number of PRJT
frames returned to this port
stat64_PBSYFrames       0           top_int : Number of PBSY frames
returned to this port
                        0           bottom_int : Number of PBSY
frames returned to this port
stat64_inputBuffersFull 0           top_int : Number of occurrences
when all input buffers full
                        0           bottom_int : Number of
occurrences when all input buffers full
stat64_rxClass1Frames   0           top_int : Number of class 1
frames received
                        0           bottom_int : Number of class 1
frames received
stat64_aveTxFrameSize   475         Average Tx Frame size
stat64_aveRxFrameSize   330         Average Rx Frame size
Lr_in           0           top_int
                1           bottom_int
Ols_in          0           top_int
                1           bottom_int
Lr_out          0           top_int
                1           bottom_int
Ols_out         0           top_int
                1           bottom_int
Link_failure    0           top_int
                1           bottom_int
Invalid_CRC     0           top_int
                0           bottom_int
Invalid_word    0           top_int
                0           bottom_int
Protocol_err    0           top_int
                0           bottom_int
Loss_of_sig     0           top_int
                0           bottom_int
Loss_of_sync    0           top_int
                0           bottom_int
er_bad_os       0           top_int : Invalid ordered set
                0           bottom_int: Invalid ordered set


portrouteshow 38
port address ID: 0x012600
external unicast routing table:
   0: Embedded
 255: Embedded
internal unicast routing table:
```

```
portcamshow 38
-------------------------------------------------
Port  SID used  DID used  SID entries  DID entries
38     28        1         040a00       012600
                           040e00
                           040c00
                           012500
                           011900
                           011100
                           011300
                           011500
                           011700
                           041500
                           041700
                           041100
                           041300
                           010c00
                           010a00
                           040b00
                           040900
                           040f00
                           040d00
                           012600
                           011000
                           011200
                           011400
                           041800
                           041400
                           041600
                           041000
                           010b00
-------------------------------------------------
SID free, DID free: (59205, 59205)

ptbufshow, ptcreditshow, ptdatashow, ptstatsshow 38
S:
S:VF Enable:            1
S:
S:C4 Global Variable:
S:-------------------------------------------------------------------
---------
S:trace_stop:           0
S:
S:C4 Phy Data Pointers: c4_phyp = 0xb6aed140
S:-------------------------------------------------------------------
---------
S:tnodep                        0xbb84a540      pt
        0x4302801b
S:proto_phyp            0xb880b5a0      phy_cfg
0xb6aee180
S:c4_chp                        0x97e28000      c4_lgcp
0x97fb4000
S:c4_phy_regp           0x81cd8000      proc_dir
0xb851db40
```

```
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4345678      num_port_timer          12
S:prev_if_id            0x4302001b      S:ftx
62943046        tov                     0
S:initialized           1               port_idx                27
S:ui_idx                        38              slot_no
        0
S:blade_idx             27              sw_usr_ports            400
S:unused                        0               intr_debounced
        0
S:aec_status            0x1             reason_code
        0
S:debug                 0x00000004      debug_trc_line          0
S:rxbuf_list_head       0xffffffff      rxbuf_list_tail
0x1bce
S:isAePort                      0               port_misc_data
                0
S:num_fault1_rx_disc    0               num_fault2_rx_disc      0
S:p_lli_cause0          7               p_sig_regained          0
S:p_sync_regained               7               enc_out
        0x0
S:cached_fps_status     0               cached_sts_status       0
S:cached_er_crc_good_eof        0
S:cached_er_bad_os      0               cached_er_too_long      0
S:cached_er_trunc       0
cached_tot_er_crc_good_eof      0
S:num_pt_excess_intr    0               num_no_fid              0
S:num_fault1_cnt                0               num_fault2_cnt
        0
S:num_fault_lip         0               num_fault_lli           0
S:num_fault_rx_fifo     0               num_fault_hss           0
S:num_fault_bwait               0               lli_intr_prim
        0
S:num_sw_link_to                0
be_link_err_mon_count           0
S:ecb_enc_enabled               0               ecb_comp_enabled
                0
S:ecb_rsv_enc           0               ecb_rsv_comp            0
S:ecb_enc_bm            0x0             ecb_key_index
0xffffffff
S:fab_idx               0
S:num_be_lto            0               lto_count_reset_intvl
        0
S:lr_count_reset_intvl          0               num_be_lr
        0
S:num_fault_qsfp                0               check_lto
        0
S:credit_loaded         255             num_credit_overrun
        0
S:fec_enabled           0x1             fec_los_to_flag         0x1
S:phy_stats_clear_ts            1725611419      pcs_err_online
        0
S:pcs_err_light_det             0               pcs_err_ignore
```

```
        0
S:pcs_blk_err           0               pcs_hiber               0
S:phy_port_status               2               ecb_enc_lr_count
                0
S:dport_mode            0               avoid_lto_det           0
S:sn_debounced          0x0             sn_started_kr_reqd      1
S:major_timer_started   0x0             ready_bm                0x0
S:parln_1_bm            0x0             parln_0_bm              0x0
S:be_los_of_sync_event_intvl            0
be_los_of_sync_event            0
S:errataPtenable_cntr           0               errataPoll_cntr
        0
S:jda_rx_sig_loss_det           0               jda_rx_sig_loss_cnt
                0
S:encrypt_blk_error             0
S:
S:      c4_trunk
S:=====================================
S:mark_ts               0x0             deskew                  0x0
S:master_phyp           0x0
S:
S:adelay[00]: 0x00000000 0x00000000 0x00000000 0x00000000
S:adelay[04]: 0x00000000 0x00000000 0x00000000 0x00000000
S:
S:      c4_buf
S:=====================================
S:tx_csc                        0               rx_csc
        0
S:ld_vc_credits         0               tx_flag                 0x0
S:alloc_buffers         20              req_buffers             20
S:est_buffers           20              ld_use_est              0
S:bb_sc_n                       0               rx_bb_sc_n
        0
S:data_cr                       16              nondata_cr
        6
S:cr_enable             0
S:ld_nondata_cr         6               tnodep
0xbb84a620
S:tx_credits[0] 0    0    0    0    0    0    0    0
S:tx_credits[8] 0    0    0    0    0    0    0    0
S:tx_credits[16]        0    0    0    0    0    0    0    0
S:tx_credits[24]        0    0    0    0    0    0    0    0
S:tx_credits[32]        0    0    0    0    0    0    0    0
S:rx_credits[0] 0    0    0    0    0    0    0    0
S:rx_credits[8] 0    0    0    0    0    0    0    0
S:rx_credits[16]        0    0    0    0    0    0    0    0
S:rx_credits[24]        0    0    0    0    0    0    0    0
S:rx_credits[32]        0    0    0    0    0    0    0    0
S:tx_mbc[0]     0    0    0    0    0    0    0    0
S:tx_mbc[8]     0    0    0    0    0    0    0    0
S:tx_mbc[16]    0    0    0    0    0    0    0    0
S:tx_mbc[24]    0    0    0    0    0    0    0    0
S:tx_mbc[32]    0    0    0    0    0    0    0    0
S:rx_mbc[0]     0    0    0    0    0    0    0    0
```

```
S:rx_mbc[8]     0    0    0    0    0    0    0    0
S:rx_mbc[16]    0    0    0    0    0    0    0    0
S:rx_mbc[24]    0    0    0    0    0    0    0    0
S:rx_mbc[32]    0    0    0    0    0    0    0    0
S:
S:C4 Chip Variables: c4_phyp->c4_chp = 0x97e28000
S:-----------------------------------------------------------------
---------
S:version = 2.1
S:magic_id              0xc4234567      init_state              0x8
S:reset_reg_mem         0x1
S:ch_int0_en_bm         0x0             intr0_cause             0x0
S:ch_int1_en_bm         0x0             intr1_cause             0x0
S:ch_int2_en_bm         0x0             intr2_cause             0x0
S:ch                    0x43010080      ch_cfg
0xb7013ba0
S:raslog_hndl.hndl      0x0             obj_halted              0x0
S:c4_chip_regp          0x80000000      c4_fpg_regp
0x81800000
S:num_chip_timer        0x5
S:hi_task_bm            0x0             lo_task_bm              0x0
S:c4_deferq.q_head      0x0             c4_deferq.q_tail        0x0
S:c4_tmrq.q_head        0x0             c4_tmrq.q_tail          0x0
slot_no                 0
S:chip_inst             0               chip_idx                0
S:pll_initialized               1
pll_serdes_initialized  1
S:init_tries            0               init_ptEnableBM
0xba01b488
S:tick_polling          0xb980c9c0      sec_polling
0xb980c960
S:bb_fid                        129
S:ecb_key_bm[0]         0x0             ecb_key_bm[1]           0x0
S:ecb_key_bm[2]         0x0             ecb_key_bm[3]           0x0
S:is_chip_enc_enabled                   0
is_chip_comp_enabled    0x0
S:ftb_rsrcp->ftb_flags  0x0             act_rsrcp->act_flag     0x1
S:lue_rsrcp->lue_flags[0]       0x0             lue_rsrcp-
>lue_flags[1]   0x0
S:c4_phyp[00]: 0xb6ab0000 0xb6ab2080 0xb6ab4100 0xb6ab6180
S:c4_phyp[04]: 0xb6ab9040 0xb6abb0c0 0xb6abd140 0xb6ac0000
S:c4_phyp[08]: 0xb6ac2080 0xb6ac4100 0xb6ac6180 0xb6ac9040
S:c4_phyp[12]: 0xb6acb0c0 0xb6acd140 0xb6ad0000 0xb6ad2080
S:c4_phyp[16]: 0xb6ad4100 0xb6ad6180 0xb6ad9040 0xb6adb0c0
S:c4_phyp[20]: 0xb6add140 0xb6ae0000 0xb6ae2080 0xb6ae4100
S:c4_phyp[24]: 0xb6ae6180 0xb6ae9040 0xb6aeb0c0 0xb6aed140
S:c4_phyp[28]: 0xb6af0000 0xb6af2080 0xb6af4100 0xb6af6180
S:c4_phyp[32]: 0xb6af9040 0xb6afb0c0 0xb6afd140 0xb6b00000
S:c4_phyp[36]: 0xb6b02080 0xb6b04100 0xb6b06180 0xb6b09040
S:c4_phyp[40]: 0xb6b0b0c0 0xb6b0d140 0xb6b10000 0xb6b12080
S:c4_phyp[44]: 0xb6b14100 0xb6b16180 0xb6b19040 0xb6b1b0c0
S:c4_phyp[48]: 0xb6b1d140 0xb6b20000 0xb6b22080 0xb6b24100
S:c4_phyp[52]: 0xb6b26180 0xb6b29040 0xb6b2b0c0 0xb6b2d140
S:c4_phyp[56]: 0xb6b30000 0xb6b32080 0xb6b34100 0xb6b36180
```

```
S:c4_phyp[60]: 0xb6b39040 0xb6b3b0c0 0xb6b3d140 0xb6b40000
S:c4_lgcp[00]: 0x97f48000 0x97f4c000 0x97f50000 0x97f54000
S:c4_lgcp[04]: 0x97f58000 0x97f5c000 0x97f60000 0x97f64000
S:c4_lgcp[08]: 0x97f68000 0x97f6c000 0x97f70000 0x97f74000
S:c4_lgcp[12]: 0x97f78000 0x97f7c000 0x97f80000 0x97f84000
S:c4_lgcp[16]: 0x97f88000 0x97f8c000 0x97f90000 0x97f94000
S:c4_lgcp[20]: 0x97f98000 0x97f9c000 0x97fa0000 0x97fa4000
S:c4_lgcp[24]: 0x97fa8000 0x97fac000 0x97fb0000 0x97fb4000
S:c4_lgcp[28]: 0x97fb8000 0x97fbc000 0x97fc0000 0x97fc4000
S:c4_lgcp[32]: 0x97fc8000 0x97fcc000 0x97fd0000 0x97fd4000
S:c4_lgcp[36]: 0x97fd8000 0x97fdc000 0x97fe0000 0x97fe4000
S:c4_lgcp[40]: 0x97fe8000 0x97fec000 0x97ff0000 0x97ff4000
S:c4_lgcp[44]: 0x97ff8000 0x97ffc000 0x8e000000 0x8e004000
S:c4_lgcp[48]: 0x8e008000 0x8e00c000 0x8e010000 0x8e014000
S:c4_lgcp[52]: 0x8e018000 0x8e01c000 0x8e020000 0x8e024000
S:c4_lgcp[56]: 0x8e028000 0x8e02c000 0x8e030000 0x8e034000
S:c4_lgcp[60]: 0x8e038000 0x8e03c000 0x8e040000 0x8e044000
S:chip_timers[00]: 0xb980c720 0xb980c780 0xb980c7e0 0xb980c840
S:chip_timers[04]: 0xb980c8a0 0xb980c900
S:disc_trap_enable_required     0x0             rxlp_disc_log_stop
        0x0
S:curr_rxlp_frm_cnt     0x0             curr_rxlp_disc_frm_cnt  0x0
S:sw_disc_frm_cnt       0x0             last_disc_frm_cnt       0x0
S:txq_nopop_pr_cnt      0x0             pollErrataDfe_ptBM
0xba01b4b0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][0]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][1]  0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][2]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][0] 0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][1]       0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][2] 0x0
S:
S:C4 Logical Port Variables
S:-----------------------------------------------------------------
---------
S:c4_lgc_regp           0x81cd8000
S:c4_phyp:
S:      0xb6aed140      0x0             0x0             0x0

S:      0x0             0x0             0x0             0x0

S:master_phyp           0xb6aed140      if_id
0x4302001b
S:min_phyp              0x0             max_phyp                0x0
S:num_phy_ports         1               lgc_num                 27
S:num_iu_to             0               sw_txq_bm
        0
S:port_fid              128             unused                  0
S:port_group            3               lgc_stats_clear_ts
                1725611419
S:domain_tbl_sel                91              area_tbl_sel
        27
S:egid_tbl_sel          2
S:serv_lo_bm            0x0
```

```
S:
S:Proto Phy Variables:
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4123456      asic_phyp
0xb6aed140
S:port_id                       0x4302801b      phy_cfg
        0xb6aee180
S:upsm_hdl              0xb8018960      physm_hdl
0xb80186e0
S:ov_snsm_hdl           0xb80185a0      sw_snsm_hdl
0xb8018640
S:ov_lksm_hdl           0xb8018780      sw_lksm_hdl
0xb8018820
S:trksm_hdl             0xb80188c0      lr_flag         0x0
S:lr_active             0x0             qsfp_txrx_rate_sel
        0x0
S:
S:UPSM      UP22: UPST_G_PORT           --> UP23: UPST_F_PORT
S:SNSM(OV)  SN06: OV_SNST_HW_LK_TRAIN   --> SN04: OV_SNST_NEGOTIATED
S:SNSM(SW)  SW00: SW_SNST_STAGE_WS      --> SW00: SW_SNST_STAGE_WS
S:PHYSM     PP04: PHYST_NO_SYNC         --> PP05: PHYST_IN_SYNC
S:LKSM(OV)  LK02: OV_LKST_HW_INIT       --> LK04: OV_LKST_ACTIVE
S:LKSM(SW)  SW13: INACTIVE              --> SW13: INACTIVE
S:TRKSM     TRK0: TRKST_INIT            --> TRK0: TRKST_INIT
S:
S:physm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb880b5a0      physm_hdl
0xb80186e0
S:force_offline         0               copper                  0
S:fault_reason          0: UNKNOWN
S:phy_media_present             1
S:
S:snsm variables:
S:-------------------------------------------------------------------
---------
S:speed                 0xa             proto_phyp
0xb880b5a0
S:hw_sn_tries_left      0x63            sw_sn_tries_left        0x0
S:curr_txsp_count               0x0
S:tx_max                        0x0             curr_tx_indx
        0x0
S:curr_tx                       0x0             curr_rxsp_count
        0x0
S:rx_max                        0x0             curr_rx_indx
        0x0
S:curr_rx                       0x0             rx_mem
        0x0
S:rxsp_rec_count                0x0
S:nc_start              0x0             tx_start                0x0
S:sync_start            0x0             sync_present            0x0
S:diag_auto             0x0             diag_speed              0xff
```

```
S:striped_wd_tov                3000            hw_wd_tov
        3000
S:step                  0x0             qsfp28_speed_mode
        0x0
S:qsfp_mode0_hw_sn_tries_left           0x0
S:qsfp_mode1_hw_sn_tries_left           0x0
S:
S:lksm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb880b5a0      ov_lksm_hdl
0xb8018780
sw_lksm_hdl             0xb8018820
num_lf1                 0
S:hw_link_tries_left    9               sw_link_tries_left      5
S:buf_ptype             0x0             stored_entry_state      0x5
S:handshake_owner               0x0             mark_unsent
        0x0
S:busybuf_stuck         0x0             lr_wait                 0x0
S:
S:trksm variables:
S:-------------------------------------------------------------------
---------
S:Not a trunk port
S:
S:upsm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb880b5a0      upsm_hdl
0xb8018960
S:bb_credits            255             port_beacon             0
S:port_diag_flag                0               force_offline
        0
S:port_fault_rsn                0: PORT_NO_FAULT
S:retry_init_rsn                0: UNKNOWN
S:linit_reason          0               linit_result            0
S:ie_fctl_mode          0               fec_in_sync_tries_left  0
S:retry_sn_fail_init    0
retry_link_fail_init    0
S:excess_lr_count       0
S:
S:c4_ch_cfg
S:-------------------------------------------------------------------
---------
S:c4_desc_ring_size     256      292      256      256      292
292      2        292      292
S:thresh_def            0        16       1        0
S:intr_tries            500             cmem_pattern
0xdeadbeef
S:cmem_pattern_upwd     2               cmem_init_time          16
S:cmem_init_tries               5
S:ctrl_par_thresh               2               data_par_thresh
        4
S:cam_par_thresh                4               buf_loss_thresh
```

```
        12
S:crit_par_thresh               2               non_crit_par_thresh
        6
S:pci_abort_thresh      10              pci_err_thresh          5
S:excess_chintr_thresh  8               sw_err_thresh           20
S:err_sample_period     300             intr_sleep
20000
S:frame_timeout 2500            proxy_dev               16384
S:vf_route      81920           qos             2048
S:stats 2048            f_redirect              2048
S:rsp_trap      2048            lun_zoning              20480
S:area_mode     0               ftb_max_loop[0]         0
S:ftb_max_loop[1]       6               ftb_max_loop[2]         9
S:ftb_max_loop[3]       10              ftb_max_loop[4]         10
S:ftb_max_loop[5]       5               ftb_max_loop[6]         6
S:ftb_seg_size[0]       0               ftb_seg_size[1]
16384
S:ftb_seg_size[2]       65536           ftb_seg_size[3]
16384
S:ftb_seg_size[4]       16384           ftb_seg_size[5]
65536
S:ftb_seg_size[6]       16384           ftb_seg_base[0]         0
S:ftb_seg_base[1]       0               ftb_seg_base[2]
65536
S:ftb_seg_base[3]       16384           ftb_seg_base[4]
32768
S:ftb_seg_base[5]       131072          ftb_seg_base[6]
49152
asic_err_monitor_period1                300
asic_err_monitor_period2                86400
zone_chk_to_poll_period 25
zone_chk_class2_reject_tov              220
S:
S:c4_phy_cfg
S:-------------------------------------------------------------------
---------
S:version = 2.1
S:pt                    0x4302801b      fab_ptr
0x9a800000
S:fabattr                       0x9a8000d4      fab_iop
        0x9a800050
S:cfgbm                 0xbb84a384      port_ctrl
0xb6aee198
S:pcap.pcap_bm          0x8d215547      pcap.pcap2_bm
0x588289
S:pcap.pcap3_bm         0x1bebe0c
ui_idx                  38              S:slot_no
        0
is_icl                  0               S:sw_usr_ports          400
S:neg_speed             10 8 5 0 0 0
S:my_domain             0x1             port_mode               0x0
S:hw_sn_maxtries                100             sw_sn_maxtries
        0
S:hw_link_maxtries      10              sw_link_maxtries        5
```

```
S:rx_cyc_tov            28              rttov                   300
S:bufrdy_tov            300             busybuf_tov             286
S:mark_tov              300             lksm_tov                3000
S:buf_dealloc_wait      4               hw_wd_tov               3000
S:hw_lk_train_tov               540             hw_lk_test_tov
        150
S:syswait_tx_12_lips    1               lip_rx_tov              55
S:al_time_tov           15              lp_tov                  2000
S:intr_tries_port               500             intr_mod_debounce
        250
S:intr_lsr_flt_debounce 500             intr_efifo_debounce     100
S:port_no_fid           3               excess_ptintr_thresh    8
S:port_fault1_thresh    100             port_fault1_spur_thresh 250
S:port_fault1_disc_thresh       500
port_fault1_disc_spur_thresh    1000
S:port_fault2_thresh    5               losync_tov              100
S:port_sw_link_to               15              en_8g_scramble
        1
frc_hw_sn_mode          0x1
S:enc_poll_thresh               0               fec_enable
        0
S:fec_in_sync_to                50              fec_in_sync_try_max
        4
S:port_be_lto_threshold         100             port_be_lr_threshold
                2
S:be_cr_in_sync_to              5
port_credit_overrun_thresh              10
S:jda_sfp_losig_tov             400
jda_sfp_losig_try_max           30
S:striped_wd_tov                3000
no_sync_debounce                1200
S:
S:      fab_iop
S:=====================================
S:fab_iop->interop_mode 0x0             fab_iop->lab_mode       0x0
S:fab_iop->fl_bbc               0x0             fab_iop->fl_fan
        0x0
S:fab_iop->fl_cls               0x4             fab_iop->fl_rscn
        0x0
S:fab_iop->domain_id_offset     0x60            fab_iop-
>mcdt_fabric_mode       0x0
S:fab_iop->mcdt_default_zone            0x0             fab_iop-
>mcdt_safe_zone         0x0
S:
S:      port_ctrl
S:=====================================
S:port_ctrl.port_type   1               port_ctrl.port_grp      3
S:port_ctrl.port_number 38              port_ctrl.vc_mode       1
S:
S:      port_ctrl.lcap
S:=====================================
S:has_serdes            0               has_media               1
S:topology              1               skip_nego               0
S:skip_pnego            0               skip_init_event         0
```

```
S:en_shim                       0               speed_neg
        1
S:loop_back             0               num_speeds              5
S:fec_enable            0
S:
S:      port_ctrl.speed_list array
S:=====================================
S:speed_list[0].auto_neg  1     speed_list[0].lnk_speed  0x0000000a
S:speed_list[1].auto_neg  1     speed_list[1].lnk_speed  0x00000008
S:speed_list[2].auto_neg  0     speed_list[2].lnk_speed  0x00000006
S:speed_list[3].auto_neg  1     speed_list[3].lnk_speed  0x00000005
S:speed_list[4].auto_neg  0     speed_list[4].lnk_speed  0x00000003
S:speed_list[5].auto_neg  0     speed_list[5].lnk_speed  0x00000000
S:
S:      port_ctrl.cm
S:=====================================
S:port_ctrl.cm.num_vcs          8
S:port_ctrl.cm.min_bufs         20
S:port_ctrl.cm.cr_shar_bufs     0
S:port_ctrl.vc_alloc
S:port_ctrl.vc_alloc            2 0 4 4 4 4 1 1
S:port_ctrl.vc_alloc            0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.norm_vc_alloc
S:port_ctrl.norm_vc_alloc       4 0 16 16 16 16 1 1
S:port_ctrl.norm_vc_alloc       0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.cm.skip_bb_credit           0
S:port_ctrl.cm.use_shim_based_sublist           0
S:
S:      port_ctrl.serdes_set
S:=====================================
S:serdes_type           0x8
S:serdes_data_t.ibm_hss_serdes.tx_drive_power           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b_sign      0x1
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_a           0x0
S:serdes_data_t.ibm_hss_serdes.rxeq                     0x0
S:
S:      cfgbm
S:=====================================
S:old_distance          0x0             gport_lockdown          0x0
S:tport                 0x1             speed                   0x0
S:disable_eport         0x0             fcacc                   0x0
S:lport_lockdown                0x0             priv_lport_lockdown
        0x0
S:vcxlt_linit           0x0             delay_flogi             0x0
S:isl_interop           0x0             distance                0x0
S:BufStarvFlag          0x0             credit_sharing          0x0
S:lport_halfduplex      0x0             lport_fairness          0x0
S:soft_neg              0x0             asn_frc_hwretry         0x0
S:cr_recov              0x0             fport_buffers           0x0
S:export                        0x0             export_mode
        0x0
```

```
S:csctl_en              0x0             mirror_port             0x0
S:fault_delay           0x0             non_dfe                 0x0
S:fec_configured*(0=ENAB)       0               fec_tts
        0
S:port_persistently_disabled (permanently) 0 (0)
S:
S:      cfg property
S:=====================================
S:priv_pcfg_bm          0x00000000      lgcl_pcfg_bm
0xbb84a3c4
S:fport_buffer          0x00000000
S:
S:
S:C4 Discard Cntrs: rxlp_stats = 0xb6aed4f0
S:-------------------------------------------------------------------
---------
S:disc_mcast_wka        0x0             disc_inv_did            0x0
S:disc_cl1_cl4          0x0             disc_sid_chk_fail       0x0
S:disc_inv_dom_egid_txpt        0x0             disc_vft_hop_cnt_1
        0x0
S:disc_classf           0x0             disc_fcp_cdb_inv        0x0
S:disc_vfid_trap_enabled        0x0
disc_vfid_hdr_chk_fail  0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_ftb_vm_mode      0x0             disc_ftb_agn_t2_miss    0x0
S:disc_ecb_de_pad_err   0x0             disc_ecb_de_tag_err     0x0
S:disc_ecb_de_seq_err   0x0             disc_ecb_err            0x0
S:disc_ftb_type4_match  0x0             disc_fcp_rsp_ftb_type4  0x0
S:disc_fcp_rsp_ftb_type4        0x0             disc_ftb_type5_match
        0x0
S:disc_ftb_type3_match  0x0             disc_els_ftb_type3      0x0
S:disc_ftb_type1_match  0x0             disc_els_rsp_ex_port    0x0
S:disc_inv_drp_dps      0x0             disc_did_lookup_miss    0x0
S:disc_ftb_type2_match  0x0             disc_trpd_plogi_pdisc   0x0
S:disc_type2_lookup_miss        0x0             disc_ftb_type6_match
        0x0
S:disc_els_rep_ex_port  0x0             disc_els_sid_lkup_bit1  0x0
S:disc_els_sid_lkup_bit0        0x0
disc_bls_frm_trap_bit1  0x0
S:disc_ftb_token_err    0x0             disc_asic_internal_err  0x0
S:disc_hard_zone_miss   0x0             disc_lun_zone_miss      0x0
S:disc_flt_frame_disc   0x0             disc_flt_parity_err     0x0
S:disc_frame_marked_du  0x0             disc_frame_marked_to    0x0
E:Connection type: FE
E:Port type: F_port
E:Trunk port: No
E:Configured Speed: AUTO_SPEED_NEGO
E:Max Capable Speed: 32G
E:Current SNSM Speed: 32G
E:Hardware TX Speed: 32G (0x00000004)
E:Hardware RX Speed: 32G (0x00000040)
E:
E:Interrupts:   9           Link_failure:       1
```

```
Loss_of_sync:   0           Loss_of_sig:        0
E:Lli:          9           Invalid_word:       0
E:trapped_frm:  103         fwd_status_ok:      103
E:fwd_timeout:  0           fwd_tx_unavail:     0
E:fwd_unroutable:       0           fwd_zone_out:       0
E:fwd_other_err:        0           frm_err_discard:    0
E:Fltr listA:   0           Fltr listB:         0
E:Zone trap fwd:        0           Zone trap disc:     0
E:shim_csum:    0           RTE_perr:           0
E:Invalid_crc:  0           Delim_err:          0
E:Protocol_err: 0
E:Lr_in:        1           Lr_out:             1
E:Ols_in:       1           Ols_out:            1


filterportshow 38

                FILTER DATA
                -----------
Shadow settings:
   Filter Enable: 0x00000420
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass: 0x00000019
```

```
Real settings:
   Enable RAM: 0x00000420, 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass RAM: 0x00000019

Shadowed filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        c4_fldenable[0] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[0] = 0x00000000,c4_fltr_config[0] = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        c4_fldenable[1] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[1] = 0x00000000,c4_fltr_config[1] = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        c4_fldenable[2] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[2] = 0x00000000,c4_fltr_config[2] = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        c4_fldenable[3] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[3] = 0x00000000,c4_fltr_config[3] = 0x00000000
```

```
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        c4_fldenable[4] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[4] = 0x00000000,c4_fltr_config[4] = 0x00000000
Filter 5: Installed (ZONING TRAP)(LISTA)
        c4_fldenable[5] = 0x00000000 0x00000000 0x00000000
0x06007c10
        c4_fldnegate[5] = 0xfd9fffff,c4_fltr_config[5] = 0x000001c0
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        c4_fldenable[6] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[6] = 0x00000000,c4_fltr_config[6] = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        c4_fldenable[7] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[7] = 0x00000000,c4_fltr_config[7] = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        c4_fldenable[8] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[8] = 0x00000000,c4_fltr_config[8] = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        c4_fldenable[9] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[9] = 0x00000000,c4_fltr_config[9] = 0x00000000
Filter 10: Installed (WELL KNOWN ADDR)(FORWARD)
        c4_fldenable[10] = 0x00000001 0x00000000 0x00000000
0x00000000
        c4_fldnegate[10] = 0xfffffffe,c4_fltr_config[10] =
0x00000054
Filter 11: Not Installed (SIM)(LISTA)
        c4_fldenable[11] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[11] = 0x00000000,c4_fltr_config[11] =
0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        c4_fldenable[12] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[12] = 0x00000000,c4_fltr_config[12] =
0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        c4_fldenable[13] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[13] = 0x00000000,c4_fltr_config[13] =
0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        c4_fldenable[14] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[14] = 0x00000000,c4_fltr_config[14] =
0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        c4_fldenable[15] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[15] = 0x00000000,c4_fltr_config[15] =
0x00000000
```

```
Filter 16: Not Installed (PERF1)(LISTA)
        c4_fldenable[16] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[16] = 0x00000000,c4_fltr_config[16] =
0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        c4_fldenable[17] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[17] = 0x00000000,c4_fltr_config[17] =
0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        c4_fldenable[18] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[18] = 0x00000000,c4_fltr_config[18] =
0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        c4_fldenable[19] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[19] = 0x00000000,c4_fltr_config[19] =
0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        c4_fldenable[20] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[20] = 0x00000000,c4_fltr_config[20] =
0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        c4_fldenable[21] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[21] = 0x00000000,c4_fltr_config[21] =
0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        c4_fldenable[22] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[22] = 0x00000000,c4_fltr_config[22] =
0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        c4_fldenable[23] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[23] = 0x00000000,c4_fltr_config[23] =
0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        c4_fldenable[24] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[24] = 0x00000000,c4_fltr_config[24] =
0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        c4_fldenable[25] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[25] = 0x00000000,c4_fltr_config[25] =
0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        c4_fldenable[26] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[26] = 0x00000000,c4_fltr_config[26] =
```

```
0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        c4_fldenable[27] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[27] = 0x00000000,c4_fltr_config[27] =
0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        c4_fldenable[28] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[28] = 0x00000000,c4_fltr_config[28] =
0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        c4_fldenable[29] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[29] = 0x00000000,c4_fltr_config[29] =
0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        c4_fldenable[30] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[30] = 0x00000000,c4_fltr_config[30] =
0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        c4_fldenable[31] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[31] = 0x00000000,c4_fltr_config[31] =
0x00000000


Real filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x000e0000
Filter 5: Installed (ZONING TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x06007c10,
        fld negate ram = 0x019fffff, fltr config ram = 0x000e0000
```

```
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 10: Installed (WELL KNOWN ADDR)(FORWARD)
        fld enable ram = 0x00000001, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x03fffffe, fltr config ram = 0x00000054
Filter 11: Not Installed (SIM)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000054
Filter 12: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
```

```
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000

Filter dirty indicator: 0x00000000
Performance filters: 0
Port Mirror filters: 0 (0x0)
```

FIELD DATA

Shadowed fields:

fldoffset[0] = 0x05,fldmask[0] = 0x00,fldvalue_dyna[0]:0xff 0x00 0x00 0x00
fldcontrol[0].inuse = 0x1000000 fldcontrol[0].refcnt = 0x01 0x00 0x00 0x00
fldoffset[1] = 0x00,fldmask[1] = 0x00,fldvalue_dyna[1]:0x00 0x00 0x00 0x00
fldcontrol[1].inuse = 0x0 fldcontrol[1].refcnt = 0x00 0x00 0x00 0x00
fldoffset[2] = 0x00,fldmask[2] = 0x00,fldvalue_dyna[2]:0x00 0x00 0x00 0x00
fldcontrol[2].inuse = 0x0 fldcontrol[2].refcnt = 0x00 0x00 0x00 0x00
fldoffset[3] = 0x00,fldmask[3] = 0x00,fldvalue_dyna[3]:0x00 0x00 0x00 0x00
fldcontrol[3].inuse = 0x0 fldcontrol[3].refcnt = 0x00 0x00 0x00 0x00
fldoffset[4] = 0x00,fldmask[4] = 0x00,fldvalue_dyna[4]:0x00 0x00 0x00 0x00
fldcontrol[4].inuse = 0x0 fldcontrol[4].refcnt = 0x00 0x00 0x00 0x00
fldoffset[5] = 0x00,fldmask[5] = 0x00,fldvalue_dyna[5]:0x00 0x00 0x00 0x00
fldcontrol[5].inuse = 0x0 fldcontrol[5].refcnt = 0x00 0x00 0x00 0x00
fldoffset[6] = 0x00,fldmask[6] = 0x00,fldvalue_dyna[6]:0x00 0x00 0x00 0x00
fldcontrol[6].inuse = 0x0 fldcontrol[6].refcnt = 0x00 0x00 0x00 0x00
fldoffset[7] = 0x00,fldmask[7] = 0x00,fldvalue_dyna[7]:0x00 0x00 0x00 0x00
fldcontrol[7].inuse = 0x0 fldcontrol[7].refcnt = 0x00 0x00 0x00 0x00
fldoffset[8] = 0x00,fldmask[8] = 0x00,fldvalue_dyna[8]:0x00 0x00 0x00 0x00
fldcontrol[8].inuse = 0x0 fldcontrol[8].refcnt = 0x00 0x00 0x00 0x00
fldoffset[9] = 0x00,fldmask[9] = 0x00,fldvalue_dyna[9]:0x00 0x00 0x00 0x00
fldcontrol[9].inuse = 0x0 fldcontrol[9].refcnt = 0x00 0x00 0x00 0x00
fldoffset[10] = 0x00,fldmask[10] = 0x00,fldvalue_dyna[10]:0x00 0x00 0x00 0x00
fldcontrol[10].inuse = 0x0 fldcontrol[10].refcnt = 0x00 0x00 0x00 0x00
fldoffset[11] = 0x00,fldmask[11] = 0x00,fldvalue_dyna[11]:0x00 0x00 0x00 0x00
fldcontrol[11].inuse = 0x0 fldcontrol[11].refcnt = 0x00 0x00 0x00

```
0x00
fldoffset[12] = 0x00,fldmask[12] = 0x00,fldvalue_dyna[12]:0x00 0x00
0x00 0x00
fldcontrol[12].inuse = 0x0  fldcontrol[12].refcnt = 0x00 0x00 0x00
0x00
fldoffset[13] = 0x00,fldmask[13] = 0x00,fldvalue_dyna[13]:0x00 0x00
0x00 0x00
fldcontrol[13].inuse = 0x0  fldcontrol[13].refcnt = 0x00 0x00 0x00
0x00
fldoffset[14] = 0x00,fldmask[14] = 0x00,fldvalue_dyna[14]:0x00 0x00
0x00 0x00
fldcontrol[14].inuse = 0x0  fldcontrol[14].refcnt = 0x00 0x00 0x00
0x00
fldoffset[15] = 0x00,fldmask[15] = 0x00,fldvalue_dyna[15]:0x00 0x00
0x00 0x00
fldcontrol[15].inuse = 0x0  fldcontrol[15].refcnt = 0x00 0x00 0x00
0x00
fldoffset[16] = 0x00,fldmask[16] = 0x00,fldvalue_dyna[16]:0x00 0x00
0x00 0x00
fldcontrol[16].inuse = 0x0  fldcontrol[16].refcnt = 0x00 0x00 0x00
0x00
fldoffset[17] = 0x00,fldmask[17] = 0x00,fldvalue_dyna[17]:0x00 0x00
0x00 0x00
fldcontrol[17].inuse = 0x0  fldcontrol[17].refcnt = 0x00 0x00 0x00
0x00
fldoffset[18] = 0x00,fldmask[18] = 0x00,fldvalue_dyna[18]:0x00 0x00
0x00 0x00
fldcontrol[18].inuse = 0x0  fldcontrol[18].refcnt = 0x00 0x00 0x00
0x00
fldoffset[19] = 0x00,fldmask[19] = 0x00,fldvalue_dyna[19]:0x00 0x00
0x00 0x00
fldcontrol[19].inuse = 0x0  fldcontrol[19].refcnt = 0x00 0x00 0x00
0x00

Real fields:

fldoffset RAM: 0x00000005, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fldmask RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fld value4 RAM:
0x000000ff
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
```

```
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
Field dirty indicator: 0x00000000

FDB reference count fdb: 0 [1 0 0 0 ]
FDB reference count fdb: 1 [0 0 0 0 ]
FDB reference count fdb: 2 [0 0 0 0 ]
FDB reference count fdb: 3 [0 0 0 0 ]
FDB reference count fdb: 4 [0 0 0 0 ]
FDB reference count fdb: 5 [0 0 0 0 ]
FDB reference count fdb: 6 [0 0 0 0 ]
FDB reference count fdb: 7 [0 0 0 0 ]
FDB reference count fdb: 8 [0 0 0 0 ]
FDB reference count fdb: 9 [0 0 0 0 ]
FDB reference count fdb: 10 [0 0 0 0 ]
FDB reference count fdb: 11 [0 0 0 0 ]
FDB reference count fdb: 12 [0 0 0 0 ]
FDB reference count fdb: 13 [0 0 0 0 ]
FDB reference count fdb: 14 [0 0 0 0 ]
FDB reference count fdb: 15 [0 0 0 0 ]
FDB reference count fdb: 16 [0 0 0 0 ]
FDB reference count fdb: 17 [0 0 0 0 ]
FDB reference count fdb: 18 [0 0 0 0 ]
FDB reference count fdb: 19 [0 0 0 0 ]

Filter counters:
   Filter counter 0: 0  (MIRROR1)
   Filter counter 1: 0  (MIRROR2)
   Filter counter 2: 0  (MIRROR3)
   Filter counter 3: 0  (MIRROR4)
   Filter counter 4: 0  (AEPORT_NON_MIRR_DROP)
   Filter counter 5: 0  (ZONING TRAP)
   Filter counter 6: 0  (FCR_EXPORT_DC)
   Filter counter 7: 0  (TIN TRAP)
   Filter counter 8: 0  (FICON CUP)
   Filter counter 9: 0  (FICON CUP DST)
   Filter counter 10: 0 (WELL KNOWN ADDR)
   Filter counter 11: 0 (SIM)
   Filter counter 12: 0 (UNUSED)
   Filter counter 13: 0 (UNUSED)
   Filter counter 14: 0 (UNUSED)
   Filter counter 15: 0 (UNUSED)
   Filter counter 16: 0 (PERF1)
   Filter counter 17: 0 (PERF2)
   Filter counter 18: 0 (PERF3)
   Filter counter 19: 0 (PERF4)
   Filter counter 20: 0 (PERF5)
   Filter counter 21: 0 (PERF6)
   Filter counter 22: 0 (PERF7)
```

```
   Filter counter 23: 0 (PERF8)
   Filter counter 24: 0 (PERF9)
   Filter counter 25: 0 (PERF10)
   Filter counter 26: 0 (PERF11)
   Filter counter 27: 0 (PERF12)
   Filter counter 28: 0 (OPM1)
   Filter counter 29: 0 (OPM2)
   Filter counter 30: 0 (IPM1)
   Filter counter 31: 0 (IPM2)

               ACL DATA
               --------
Logical port 27: Hard Zoning enabled, Soft Zoning disabled
Zone type: WWN Zoning
Frames with hard zone miss: 0

*** Please use filterportshow on user port 56 to display ACL hash
tables and Mirroring resources of thischip.
 ***We show this data only for the first physical port which is an
exernal port.

portFcPortCmdShow --slot 0 39 3
doing portFcPortCmdShow: arg1 = 3, arg2 = -2

portshow 39
portDisableReason: None
portCFlags: 0x1
portFlags: 0x1   PRESENT U_PORT
LocalSwcFlags: 0x0
portType:  26.0
POD Port: Port is licensed
portState: 2    Offline
Protocol: FC
portPhys:  4    No_Light        portScn:   2    Offline
port generation number:    0
state transition count:    1

portId:    012700
portIfId:    43020019
portWwn:   20:27:d8:1f:cc:2c:99:90
portWwn of device(s) connected:
16b Area list:
Distance:  normal
portSpeed: N32Gbps

FEC: Inactive
Credit Recovery: Inactive
LE domain: 0
Peer beacon: Off
FC Fastwrite: OFF
Interrupts:        0          Link_failure: 0          Frjt:
0
Unknown:           0          Loss_of_sync: 0          Fbsy:
0
```

```
Lli:               0          Loss_of_sig:  0
Proc_rqrd:         0          Protocol_err: 0
Timed_out:         0          Invalid_word: 0
Tx_unavail:        0          Invalid_crc:  0
Delim_err:         0          Address_err:  0
Lr_in:             0          Ols_in:       0
Lr_out:            0          Ols_out:      0


portloginshow 39
Type  PID     World Wide Name        credit df_sz cos
=====================================================


portloginshow 39 -history
 Type  PID      World Wide Name           logout time
============================================================


portregshow 39

LED registers
=============
0x81cca000: c4_led_status           00000000    0x81cca004:
c4_led_ctl              00000000

FPL registers
=============
0x81cc8200: fpl_port_config         23298002
0x81cc820c: fpl_port_id_ctl         00000000    0x81cc8210:
fpl_port_id_addr        00012700
0x81cc8214: fpl_port_speed          00000004    0x81cc821c:
fpl_lli_ctl             00000100
0x81cc8228: fpl_lli_os_ctl          bc94ffff    0x81cc822c:
fpl_lli_send_word       bc95b5b5
0x81cc8230: fpl_lli_mark_rx         00000000    0x81cc8234:
fpl_lli_rnd_trip_time   00000000
0x81cc8238: fpl_lli_ns_status       00130007    0x81cc823c:
fpl_lli_intr_status     00030007
0x81cc8244: fpl_lli_def             00100000    0x81cc8254:
fpl_lli_intr_enable_clr 001c0000
0x81cc8258: fpl_err_intr_status     00000000    0x81cc8260:
fpl_err_intr_enable_clr 00000000
0x81cc8268: fpl_err_first_error     00000000    0x81cc826c:
fpl_speed_neg_ctl       00000000
0x81cc8270: fpl_speed_neg_stat      00000000    0x81cc8274:
fpl_softasn_ctl         0000000f
0x81cc8278: fpl_link_init_ctl       00000000    0x81cc827c:
fpl_link_init_stat      00000000
0x81cc8280: fpl_aec_ctl             001c1060    0x81cc8284:
fpl_aec_ctl2            04009f60
0x81cc8288: fpl_pcs_ctl             00000170    0x81cc828c:
fpl_fec_ctl             00000424
0x81cc8290: fpl_fec_cor             00000000    0x81cc8294:
```

```
fpl_fec_uncor           00000000
0x81cc8298: fpl_hss_link_ctl        0031f040    0x81cc829c:
fpl_afifo_link_ctl      00000a86
0x81cc82a0: fpl_echo_lb_ctl         0000028c    0x81cc82a4:
fpl_scratch             00000121
0x81cc82a8: fpl_debug               00060005    0x81cc82ac:
fpl_misc_debug          00000800
0x00000000: SW_shadow_reg           00000000    0x00000000:
SW_c4_phyp->cfgptr      00030003

per-fpg (per octet) registers
=============================
0x8181b82c: fpg_serdes_ctla0        81a37be7    0x8181b830:
fpg_serdes_ctla1        81a37be7
0x8181b834: fpg_serdes_ctlb0        81a1c3c3    0x8181b838:
fpg_serdes_ctlb1        81a1c3c3
0x8181b83c: fpg_serdes_xgmii_1ms    00067c28    0x8181b840:
fpg_serdes_regtimctl    40e47946
0x8181b844: fpg_serdes_asnrsttimctl 00000102

HSS PLL registers
=============================
0x81819400: 00_hssplla_vco_coarse_cal0      00000000    0x81819404:
01_hssplla_vco_coarse_cal1      00000014
0x81819408: 02_hssplla_vco_coarse_cal2      00000000    0x8181940c:
03_hssplla_vco_coarse_cal3      00000000
0x81819410: 04_hssplla_vco_coarse_cal4      00000000    0x81819424:
09_hssplla_power_ctl            00000000
0x81819428: 0A_hssplla_charge_pump_ctl      00000004    0x81819438:
0E_hssplla_pll_misc_ctl         00000000
0x8181943c: 0F_hssplla_pclk_ctl             000000f8    0x81819440:
10_hssplla_eyem_intv_ctl        00000000
0x81819444: 11_hssplla_eyem_intv_lim1       00000000    0x81819448:
12_hssplla_eyem_intv_lim2       00000000
0x8181944c: 13_hssplla_eyem_intv_lim3       00000000    0x81819450:
14_hssplla_eyem_intv_lim4       00000000
0x818194f0: 3C_hssplla_macro_tst_ctl4       00000000    0x818194f4:
3D_hssplla_macro_tst_ctl3       00000000
0x818194f8: 3E_hssplla_macro_tst_ctl2       00000000    0x818194fc:
3F_hssplla_macro_tst_ctl1       00000000
0x81819500: 00_hssplb_vco_coarse_cal0       0000000a    0x81819504:
01_hssplb_vco_coarse_cal1       00000014
0x81819508: 02_hssplb_vco_coarse_cal2       00000000    0x8181950c:
03_hssplb_vco_coarse_cal3       00000000
0x81819510: 04_hssplb_vco_coarse_cal4       00000000    0x81819524:
09_hssplb_power_ctl             00000000
0x81819528: 0A_hssplb_charge_pump_ctl       00000004    0x81819538:
0E_hssplb_pll_misc_ctl          00000000
0x8181953c: 0F_hssplb_pclk_ctl              000000f8    0x81819540:
10_hssplb_eyem_intv_ctl         00000000
0x81819544: 11_hssplb_eyem_intv_lim1        00000000    0x81819548:
12_hssplb_eyem_intv_lim2        00000000
0x8181954c: 13_hssplb_eyem_intv_lim3        00000000    0x81819550:
14_hssplb_eyem_intv_lim4        00000000
```

```
0x818195f0: 3C_hsspllb_macro_tst_ctl4       00000000    0x818195f4:
3D_hsspllb_macro_tst_ctl3       00000000
0x818195f8: 3E_hsspllb_macro_tst_ctl2       00000000    0x818195fc:
3F_hsspllb_macro_tst_ctl1       00000000

HSS TX registers
================
0x81818100: 00_hsstx_cfg_mode_PHY           00009f48    0x81818104:
01_hsstx_test_ctl               00000000
0x81818108: 02_hsstx_coeff_ctl_INV          00000000    0x8181810c:
03_hsstx_drv_mode_ctl           00000000
0x81818110: 04_hsstx_drv_ovrd_ctl           00000010    0x81818114:
05_hsstx_dclk_align_ovrd        00000080
0x81818118: 06_hsstx_imp_cal_ovrd           00000c0c    0x8181811c:
07_hsstx_dclk_drift_tol         00000004
0x81818120: 08_hsstx_tap0_coeff_TUNE        00000000    0x81818124:
09_hsstx_tap1_coeff_TUNE        00000003
0x81818128: 0A_hsstx_tap2_coeff_TUNE        00000019    0x8181812c:
0B_hsstx_tap3_coeff_TUNE        00000003
0x81818134: 0D_hsstx_pol_INV                0000000a    0x81818138:
0E_hsstx_ae_cmd                 00000000
0x8181813c: 0F_hsstx_ae_stat                00000000    0x81818140:
10_hsstx_ae_tap0_TUNE           00000000
0x81818144: 11_hsstx_ae_tap1_TUNE           00000000    0x81818148:
12_hsstx_ae_tap2_TUNE           00000028
0x8181814c: 13_hsstx_ae_tap3_TUNE           00000000    0x81818154:
15_hsstx_app_tune               0000120e
0x81818158: 16_hsstx_analog_diag            00000000    0x81818160:
18_hsstx_4x_seg_app             0000aa00
0x81818164: 19_hsstx_2x_seg_app             000000aa    0x81818168:
1A_hsstx_1x_seg_app             0000f5e4
0x8181816c: 1B_hsstx_seg_4x_term_app        0000000f    0x81818170:
1C_hsstx_seg_2x1x_term_app      00000001
0x81818174: 1D_hsstx_tap_sign_app           0000000a    0x81818178:
1E_hsstx_ext_addr_data          00000001
0x8181817c: 1F_hsstx_ext_addr_addr          00000000    0x81818180:
20_hsstx_pat_buf_bytes_1_0      00000000
0x81818184: 21_hsstx_pat_buf_bytes_3_2      00000000    0x81818188:
22_hsstx_pat_buf_bytes_5_4      00000000
0x8181818c: 23_hsstx_pat_buf_bytes_7_6      00000000    0x8181819c:
27_hsstx_8023az_ctl             00000000
0x818181a0: 28_hsstx_dcc_ctl                000060c0    0x818181a4:
29_hsstx_dcc_ovrd               00001000
0x818181a8: 2A_hsstx_dcc_app                00000083    0x818181ac:
2B_hsstx_dcc_timeout            0000ffff
0x818181c0: 30_hsstx_tap_sign_ovrd          00000000    0x818181c8:
32_hsstx_seg_4x_ovrd            00000000
0x818181cc: 33_hsstx_seg_2x_ovrd            00000000    0x818181d0:
34_hsstx_seg_1x_ovrd            00000000
0x818181d8: 36_hsstx_tap_seg_4x_term_ovrd   00000000    0x818181dc:
37_hsstx_tap_seg_2x_term_ovrd   00000000
0x818181e0: 38_hsstx_tap_seg_1x_term_ovrd   00000000    0x818181ec:
3B_hsstx_mac_test_ctl5          00000000
0x818181f0: 3C_hsstx_mac_test_ctl4          00000000    0x818181f4:
```

```
3D_hsstx_mac_test_ctl3          00000000
0x818181f8: 3E_hsstx_mac_test_ctl2          00000000    0x818181fc:
3F_hsstx_mac_test_ctl1          000000c6

HSS RX registers
================
0x81818300: 00_hssrx_cfg_mode_PHY           00009e78    0x81818304:
01_hssrx_test_ctl               00000000
0x81818308: 02_hssrx_phs_rot_ctl            0000cb80    0x8181830c:
03_hssrx_phs_rot_ofs_ctl        00000610
0x81818310: 04_hssrx_phs_rot_posn1          00003e3c    0x81818314:
05_hssrx_phs_rot_posn2          0000002d
0x81818318: 06_hssrx_phs_rot_sta_ofs1       00000001    0x8181831c:
07_hssrx_phs_rot_sta_ofs2       0000001f
0x81818320: 08_hssrx_dfe_ctl_PHY            00002002    0x81818324:
09_hssrx_dfe_smpl_snap1         00000000
0x81818328: 0A_hssrx_dfe_smpl_snap2         00008000    0x8181832c:
0B_hssrx_vga_ctl1               000041fe
0x81818330: 0C_hssrx_vga_ctl2               00007aa0    0x81818334:
0D_hssrx_vga_ctl3               000009e4
0x81818338: 0E_hssrx_pwr_mgmnt_ctl          0000001f    0x8181833c:
0F_hssrx_iqamp_ctl1             00000019
0x81818340: 10_hssrx_iqamp_ctl2             00000006    0x81818344:
11_hssrx_dacap_dacan_sel        00000003
0x81818348: 12_hssrx_dacap_dacan            000000ff    0x8181834c:
13_hssrx_daca_min               00000000
0x81818350: 14_hssrx_adac_ctl               00000000    0x81818354:
15_hssrx_ac_cp_ctl              000031c3
0x81818358: 16_hssrx_ac_cp_val              00008055    0x8181835c:
17_hssrx_dfe_h1h2h3_lcl_off_ch  00000014
0x81818360: 18_hssrx_dfe_h1h2h3_lcl_off_val 00000000    0x81818364:
19_hssrx_peaked_intg            000000ff
0x81818368: 1A_hssrx_cdr_analog_sw          0000ce00    0x8181836c:
1B_hssrx_peaking_amp_init_c_PHY 00000000
0x81818370: 1C_hssrx_dac_dpc                00000040    0x81818374:
1D_hssrx_ddc                    00000000
0x81818378: 1E_hssrx_int_stat_PHY           00000c0f    0x8181837c:
1F_hssrx_dfe_func_ctl1_PHY      0000ffff
0x81818380: 20_hssrx_dfe_func_ctl2_INV      00007eff    0x81818384:
21_hssrx_ofs_ch_dcc_qcc_idx     00002000
0x81818388: 22_hssrx_dfe_ofs_val            00000704    0x8181838c:
23_hssrx_h_coeff_bist           00000401
0x81818390: 24_hssrx_ac_cap_bist            00000000    0x81818394:
25_hssrx_max_gain_path_idx_res  00007800
0x81818398: 26_hssrx_loff_ctl               00000040    0x8181839c:
27_hssrx_sigdet_ctl             00000080
0x818183a0: 28_hssrx_ana_ctl_sw             00000000    0x818183a4:
29_hssrx_intg_dac_ofs           0000acdb
0x818183a8: 2A_hssrx_eye_ctl                00000000    0x818183ac:
2B_hssrx_eye_met                00000004
0x818183b0: 2C_hssrx_eye_met_err_cnt        00000000    0x818183b4:
2D_hssrx_eye_met_pdf_eyec       00000000
0x818183b8: 2E_hssrx_eye_met_pat_len        0000007f    0x818183bc:
2F_hssrx_dfe_func_ctl3          0000dfff
```

```
0x818183c0: 30_hssrx_dfe_tap_ctl_idx_ptr    00000008    0x818183c4:
31_hssrx_dfe_tap                00003030
0x818183c8: 32_hssrx_lte_ctl_TUNE           00000600    0x818183e4:
39_hssrx_int_stat2              0000c1ff
0x818183e8: 3A_hssrx_ac_cpl_cur_src_adj     00000041    0x818183ec:
3B_hssrx_dcd_ctl                00007c4a
0x818183f0: 3C_hssrx_dcc_ctl                00000d41    0x818183f4:
3D_hssrx_qcc_ctl                00006981
0x818183f8: 3E_hssrx_mac_test_ctl2          00000000    0x818183fc:
3F_hssrx_mac_test_ctl1          00000000
0x81818348: 12_hssrx_dacap_dacan[02]                00ff 00ff
0x81818360: 18_hssrx_dfe_h1h2h3_lcl_off_va[00]      0000 0000   0000
0000   0000 0000   0000 0000
0x81818360: 18_hssrx_dfe_h1h2h3_lcl_off_va[08]      0000 0000   0000
0000   0000 0000   0000 0000
0x81818360: 18_hssrx_dfe_h1h2h3_lcl_off_va[16]      0000 0000   0000
0000   0000
0x81818388: 22_hssrx_dfe_ofs_val[00][00]            0704 7f7f   0579
7f00   0305 007f
0x81818388: 22_hssrx_dfe_ofs_val[03][00]            0906 7f7f   7c05
007f   7c7d 0000
0x81818388: 22_hssrx_dfe_ofs_val[06][00]            7b7d 0000   7e7f
0000   7d7f 0000
0x81818388: 22_hssrx_dfe_ofs_val[09][00]            057f 7f00   057a
7f00   0a02 7f7f
0x81818388: 22_hssrx_dfe_ofs_val[12][00]            7b0b 007f   7f07
007f   7d07 007f
0x81818388: 22_hssrx_dfe_ofs_val[15][00]            7f03 0000   7d7c
0000   7b03 0000
0x81818388: 22_hssrx_dfe_ofs_val[18][00]            7d7b 0000   7a7d
0000   007f 0000
0x81818388: 22_hssrx_dfe_ofs_val[21][00]            007f 0000   007f
0000   007f 0000
0x81818388: 22_hssrx_dfe_ofs_val[24][00]            7e7a 7f01   0579
7f00   017f 0000
0x81818394: 25_hssrx_max_gain_path_idx_res[00]      0055 084b   1003
1891   20d0 289a   3086 3800
0x81818394: 25_hssrx_max_gain_path_idx_res[08]      40c0 488a   5076
5800   6040 6800   70fe 7800
0x818183c4: 31_hssrx_dfe_tap[00]                    fffe 8181   0000
0000   0030 0030   3030 3030
0x818183c4: 31_hssrx_dfe_tap[08]                    3030 3030   3030
0000
0x818183e8: 3A_hssrx_ac_cpl_cur_src_adj[00]         0041 0041   0041
0041
0x818183ec: 3B_hssrx_dcd_ctl[00]                    7c4a 5c00   7c86
5c00   7c00
0x818183f0: 3C_hssrx_dcc_ctl[00]                    0d41 0d43   0d00
0d00
0x818183f4: 3D_hssrx_qcc_ctl[00]                    6942 6981

xfipcs, fec, aec, & aet registers
=================================
0x81cc8400: xfipcs_reg              [00] 00002040 00000080 00000000
```

```
00000000    00000001 00000008 00000000 00000000
0x81cc8420: xfipcs_reg              [08] 00008401 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81cc8440: xfipcs_reg              [16] 00000000 00000000 00000000
00000000    00000040 00000000 00000000 00000000
0x81cc8460: xfipcs_reg              [24] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81cc8480: xfipcs_reg              [32] 00000004 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81cc8620: fec_32g_128g_reg        [08] 00000000 00008003 00000000
00000000    00000000 00000000 00000000
0x81cc8648: fec_32g_128g_reg        [18] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81cc8a00: aec_reg                 [00] 00000000 00000000 00000000
00000000    00000040 00000000 00000000 00002490
0x81cc8c00: aet_reg                 [00] 000000b0 00007000 000008c4
00000000    00000000

bbc registers
=============
0x81cc9800: bbc_trc                 0    0    0    0    0    0    0
0
0x81cc9840: bbc_trc                 0    0    0    0    0    0    0
0
0x81cc9880: bbc_trc                 0    0    0    0    0    0    0
0
0x81cc98c0: bbc_trc                 0    0    0    0    0    0    0
0
0x81cc9900: bbc_trc                 0    0    0    0    0    0    0
0
0x81cc9804: bbc_mbc                 0    0    0    0    0    0    0
0
0x81cc9844: bbc_mbc                 0    0    0    0    0    0    0
0
0x81cc9884: bbc_mbc                 0    0    0    0    0    0    0
0
0x81cc98c4: bbc_mbc                 0    0    0    0    0    0    0
0
0x81cc9904: bbc_mbc                 0    0    0    0    0    0    0
0
0x81cc9a00: bbc_rcc                 0    0    0    0    0    0    0
0
0x81cc9a20: bbc_rcc                 0    0    0    0    0    0    0
0
0x81cc9a40: bbc_rcc                 0    0    0    0    0    0    0
0
0x81cc9a60: bbc_rcc                 0    0    0    0    0    0    0
0
0x81cc9a80: bbc_rcc                 0    0    0    0    0    0    0
0
0x81cc9c00: bbc_rqc                 0    0    0    0    0    0    0
0
0x81cc9c20: bbc_rqc                 0    0    0    0    0    0    0
0
```

```
0x81cc9c40: bbc_rqc                 0    0    0    0    0    0    0
0
0x81cc9c60: bbc_rqc                 0    0    0    0    0    0    0
0
0x81cc9c80: bbc_rqc                 0    0    0    0    0    0    0
0
0x81cc9d00: bbc_fbpc                00000000    0x81cc9d04: bbc_csc
00000000
0x81cc9d08: bbc_rcc_inc             00000000    0x81cc9d0c:
bbc_rqc_inc             00000000
0x81cc9d10: bbc_fbpc_inc            00000000    0x81cc9d14:
bbc_tmc_inc             00000000
0x81cc9d18: bbc_threshold           00080100    0x81cc9d1c:
bbc_counter_clr         00000000
0x81cc9d20: bbc_debug_en            00000000    0x81cc9d24: bbc_ctrl
00200120
0x81cc9d28: bbc_rqc_rcc_thresh      00000055    0x81cc9d34:
bbc_bb_sc_n             00000000
0x81cc9d38: bbc_crd_reco_debug      00000000    0x81cc9d3c:
bbc_crd_reco_debug_data 00000000
0x81cc9d40: bbc_multi_frm_loss_cnt  00000000    0x81cc9d44:
bbc_multi_rdy_loss_cnt  00000000
0x81cc9d48: bbc_1frm_loss_recov_cnt 00000000    0x81cc9d4c:
bbc_1rdy_loss_recov_cnt 00000000
0x81cc9d58: bbc_int_status          00000000    0x81cc9d5c:
bbc_int_set             00000000
0x81cc9d60: bbc_int_first           00000000    0x81cc9d64:
bbc_frm_rdy_rx_err_addr 00000000
0x81cc9d68: bbc_frm_rdy_tx_err_addr 00000000    0x81cc9d6c:
bbc_trc_mbc_err_addr    00000000
0x81cc9d70: bbc_frm_rdy_rx_dbl_ecc  00000000    0x81cc9d74:
bbc_frm_rdy_tx_dbl_ecc  00000000
0x81cc9d78: bbc_trc_mbc_dbl_ecc     00000000
0x81cc9d7c: bbc_fsm_status          00001011    0x81cc9d80:
bbc_force_err           00000000
0x81cc9d84: bbc_crdt_avail0         00000000    0x81cc9d88:
bbc_crdt_avail1         00000000
0x81cc9d8c: bbc_scratch             00000000

FPS registers
=============
0x81cc8004: fps_er_enc_in           00000000    0x81cc8008:
fps_er_crc              00000000
0x81cc800c: fps_er_trunc            00000000    0x81cc8010:
fps_er_toolong          00000000
0x81cc8014: fps_er_bad_eof          00000000    0x81cc8018:
fps_er_enc_out          00000000
0x81cc801c: fps_er_bad_os           00000000    0x81cc8020:
fps_er_flush            00000000
0x81cc8024: fps_er_ifg              00000000    0x81cc8038:
fps_er_crc_good_eof     00000000
0x81cc803c: fps_inv_arb             00000000    0x81cc8040:
fps_slow_sts_status     00000000
0x81cc8044: fps_tx_frm_cnt          00000000    0x81cc8048:
```

```
fps_rx_frm_cnt          00000000
0x81cc8050: fps_tx_word_cnt_hi      00000000    0x81cc804c:
fps_tx_word_cnt_lo      00000000
0x81cc8058: fps_rx_word_cnt_hi      00000000    0x81cc8054:
fps_rx_word_cnt_lo      00000000

BAL registers
=============
0x81ccf000: bal_desired_buf         00000000    0x81ccf004:
bal_alloc_buf           00000000
0x81ccf008: bal_busy_buf            00000000    0x81ccf00c:
bal_usable_buf          00000000
0x81ccf010: bal_max_bor_buf         00000000
0x81ccf014: bal_busy_buf_thresh     00000002

TXQ registers
=============
0x81ccb004: txq_phys_port_ctl       00410000
0x81ccb050: txq_link_skew           00000000
0x81ccb068: txq_cr_lk_dttn_intr_sts [00] 00000000 00000000
0x81ccb070: txq_cr_lk_dttn_intr_en  [00] 00000000 00000000
0x81ccb024: txq_disc_frm_trap_cnt   00000014

FDS registers
=============
0x81ccc000: fds_rxf_ctl             00000002    0x81ccc004:
fds_rxf_wait_thresh     00000909
0x81ccc018: fds_rxf_first_error     00000000    0x81ccc01c:
fds_rxf_first_error_info00000000
0x81ccc020: fds_rxf_inout_pkt_cnt   00000000
0x81ccc008: fds_rxf_err_int_status  00000000    0x81ccc024:
fds_rxf_fifo_status     00888888
0x81ccd000: fds_txf_ctl             0000003a    0x81ccd004:
fds_txf_wait_ifg_thresh 00a00106
0x81ccd008: fds_txf_err_int_status  00000000    0x81ccd024:
fds_txf_fifo_status     00088888
0x81ccd02c: fds_txf_bbc_scs         00000000

Logical TXQ registers
=====================
0x81ccb000: txq_log_port_ctl        00000002    0x81ccb008:
txq_port_status         00000000
0x81ccb00c: txq_todo_flags          [00] 00000000 00000000
0x81ccb014: txq_spd_match_desc      [00] 00000000 00000000 00000000
00000000
0x81ccb024: txq_spd_match_desc      [04] 00000014
0x81ccb028: txq_vc_weight           [00] 01010101 01010101 01010101
01010101
0x81ccb038: txq_vc_weight           [04] 01010101 01010101 01010101
01010101
0x81ccb048: txq_vc_weight           [08] 01010101 00010101
0x81ccb054: txq_cong_dttn_ctrl      00000106
0x81ccb058: txq_cong_dttn_intr_sts  [00] 00000000 00000000
0x81ccb060: txq_cong_dttn_intr_en   [00] 00000000 00000000
```

```
0x81ccb078: txq_bw_limit_en_reg     [00] 00000000 00000000
0x81ccb080: txq_bw_gua_en_reg       [00] 00000000 00000000
0x81ccb088: txq_vc_group            [00] 03030300 03030303 03030303
03030303
0x81ccb098: txq_vc_group            [04] 03030303 03030303 03030303
03030303
0x81ccb0a8: txq_vc_group            [08] 03030303 03030303 00000000
00000000
0x81ccb0b0: txq_bw_thresh_group     [00] 00000000 00000000 00000000
00000000
0x81ccb0c0: txq_bw_thresh_group     [04] 00000000 00000000 00000000
00000000
0x81ccb0d0: txq_bw_thresh_group     [08] 00000000 00000000 00000000
00000000
0x81ccb0e0: txq_bw_thresh_group     [12] 00000000 00000000 00000000
00000000
0x81ccb0f0: txq_bw_thresh_group     [16] 00000000 00000000 00000000
00000000
0x81ccb100: txq_bw_thresh_group     [20] 00000000 00000000 00000000
00000000
0x81ccb110: txq_bw_thresh_group     [24] 00000000 00000000 00000000
00000000
0x81ccb120: txq_bw_thresh_group     [28] 00000000 00000000 00000000
00000000
0x81ccb130: txq_bw_thresh_group     [32] 00000000 00000000 00000000
00000000
0x81ccb140: txq_bw_thresh_group     [36] 00000000 00000000 00000000
00000000

txq Congestion detection Statistics RAM
=======================================
0x81090fa0: vc[0]       00000000        0x81090fa4: vc[1]
00000000
0x81090fa8: vc[2]       00000000        0x81090fac: vc[3]
00000000
0x81090fb0: vc[4]       00000000        0x81090fb4: vc[5]
00000000
0x81090fb8: vc[6]       00000000        0x81090fbc: vc[7]
00000000
0x81090fc0: vc[8]       00000000        0x81090fc4: vc[9]
00000000
0x81090fc8: vc[10]      00000000        0x81090fcc: vc[11]
00000000
0x81090fd0: vc[12]      00000000        0x81090fd4: vc[13]
00000000
0x81090fd8: vc[14]      00000000        0x81090fdc: vc[15]
00000000
0x81090fe0: vc[16]      00000000        0x81090fe4: vc[17]
00000000
0x81090fe8: vc[18]      00000000        0x81090fec: vc[19]
00000000
0x81090ff0: vc[20]      00000000        0x81090ff4: vc[21]
00000000
0x81090ff8: vc[22]      00000000        0x81090ffc: vc[23]
```

```
00000000
0x81091000: vc[24]      00000000        0x81091004: vc[25]
00000000
0x81091008: vc[26]      00000000        0x8109100c: vc[27]
00000000
0x81091010: vc[28]      00000000        0x81091014: vc[29]
00000000
0x81091018: vc[30]      00000000        0x8109101c: vc[31]
00000000
0x81091020: vc[32]      00000000        0x81091024: vc[33]
00000000
0x81091028: vc[34]      00000000        0x8109102c: vc[35]
00000000
0x81091030: vc[36]      00000000        0x81091034: vc[37]
00000000
0x81091038: vc[38]      00000000        0x8109103c: vc[39]
00000000


Logical STS registers
=====================
0x81585344: sts_ftb_type1_miss      00000000
0x81585348: sts_ftb_type2_miss      00000000
0x8158534c: sts_ftb_type6_miss      00000000
0x81585350: sts_hard_zoning_miss    00000000
0x81585354: sts_lun_zoning_miss     00000000
0x8158535c: sts_unroutable          00000000
0x81582374: sts_rte_cl2             00000000    0x81582378:
sts_rte_cl3             00000000        0x8158237c: sts_rte_link_ctl
00000000        0x81585368: sts_tx_timeout          00000000

Logical STS filter registers
=====================
0x815852c0: sts_flt_trig            [00] 00000000 00000000 00000000
00000000
0x815852d0: sts_flt_trig            [04] 00000000 00000000 00000000
00000000
0x815852e0: sts_flt_trig            [08] 00000000 00000000 00000000
00000000
0x815852f0: sts_flt_trig            [12] 00000000 00000000 00000000
00000000
0x81585300: sts_flt_trig            [16] 00000000 00000000 00000000
00000000
0x81585310: sts_flt_trig            [20] 00000000 00000000 00000000
00000000
0x81585320: sts_flt_trig            [24] 00000000 00000000 00000000
00000000
0x81585330: sts_flt_trig            [28] 00000000 00000000 00000000
00000000
0x81585340: sts_flt_trig            [32]

Logical STS discard registers
=====================
0x81583454: disc_mcast_wka          00000000    0x81583458:
```

```
disc_inv_did            00000000
0x8158345c: disc_cl1_cl4            00000000    0x81583460:
disc_sid_chk_fail       00000000
0x81583464: disc_inv_dom_egid_txpt  00000000    0x81583468:
disc_vft_hop_cnt_1      00000000
0x8158346c: disc_classf             00000000    0x81583470:
disc_fcp_cdb_inv        00000000
0x81583474: disc_vfid_trap_enabled  00000000    0x81583478:
disc_vfid_hdr_chk_fail  00000000
0x8158347c: disc_shim_cksum_fail    00000000    0x81583480:
disc_fed_edit_cmd_err   00000000
0x81583484: disc_ftb_vm_mode        00000000    0x81583488:
disc_ftb_agn_t2_miss    00000000
0x8158348c: disc_ecb_reserved       00000000    0x81583490:
disc_ecb_de_pad_err     00000000
0x81583494: disc_ecb_de_tag_err     00000000    0x81583498:
disc_ecb_de_seq_err     00000000
0x8158349c: disc_ecb_err            00000000    0x815834a0:
disc_ftb_type4_match    00000000
0x815834a4: disc_fcp_rsp_ftb_type4  00000000    0x815834a8:
disc_ftb_type5_match    00000000
0x815834ac: disc_ftb_type3_match    00000000    0x815834b0:
disc_els_ftb_type3      00000000
0x815834b4: disc_ftb_type1_match    00000000    0x815834b8:
disc_els_rsp_ex_port    00000000
0x815834bc: disc_inv_drp_dps        00000000    0x815834c0:
disc_did_lookup_miss    00000000
0x815834c4: disc_ftb_type2_match    00000000    0x815834c8:
disc_trpd_plogi_pdisc   00000000
0x815834cc: disc_type2_lookup_miss  00000000    0x815834d0:
disc_ftb_type6_match    00000000
0x815834d4: disc_els_rep_ex_port    00000000    0x815834d8:
disc_els_sid_lkup_bit1  00000000
0x815834dc: disc_els_sid_lkup_bit0  00000000    0x815834e0:
disc_bls_frm_trap_bit1  00000000
0x815834e4: disc_ftb_token_err      00000000    0x815834e8:
disc_asic_internal_err  00000000
0x815834ec: disc_hard_zone_miss     00000000    0x815834f0:
disc_lun_zone_miss      00000000
0x815834f4: disc_flt_frame_disc     00000000    0x815834f8:
disc_flt_parity_err     00000000
0x815834fc: disc_frame_marked_du    00000000    0x81583500:
disc_frame_marked_to    00000000
0x81583504: disc_lkup_rte_prty_err  00000000


portstatsshow 39
stat_wtx                0                   4-byte words transmitted
stat_wrx                0                   4-byte words received
stat_ftx                0                   Frames transmitted
stat_frx                0                   Frames received
stat_c2_frx             0                   Class 2 frames received
stat_c3_frx             0                   Class 3 frames received
stat_lc_rx              0                   Link control frames
```

```
received
stat_mc_rx              0                   Multicast frames
received
stat_mc_to              0                   Multicast timeouts
stat_mc_tx              0                   Multicast frames
transmitted
tim_txcrd_z             0                   Time TX Credit Zero
(2.5Us ticks)
tim_txcrd_z_vc  0- 3:  0           0           0           0
tim_txcrd_z_vc  4- 7:  0           0           0           0
tim_txcrd_z_vc  8-11:  0           0           0           0
tim_txcrd_z_vc 12-15:  0           0           0           0
lat_tot_pkt_vc  0- 3:  1           1           1           1
lat_tot_pkt_vc  4- 7:  1           1           1           1
lat_tot_pkt_vc  8-11:  1           1           1           1
lat_tot_pkt_vc 12-15:  1           1           1           1
lat_hi_time_vc  0- 3:  0           0           0           0
lat_hi_time_vc  4- 7:  0           0           0           0
lat_hi_time_vc  8-11:  0           0           0           0
lat_hi_time_vc 12-15:  0           0           0           0
lat_lo_time_vc  0- 3:  1           1           1           1
lat_lo_time_vc  4- 7:  1           1           1           1
lat_lo_time_vc  8-11:  1           1           1           1
lat_lo_time_vc 12-15:  1           1           1           1
max_latency_vc  0- 3:  1           1           1           1
max_latency_vc  4- 7:  1           1           1           1
max_latency_vc  8-11:  1           1           1           1
max_latency_vc 12-15:  1           1           1           1
latency_dma_ts          09-09-2024 UTC Mon 08:47:24            TXQ
Latency DMA TimeStamp
fec_cor_detected        0                   Count of blocks that
were corrected by FEC
fec_uncor_detected      0                   Count of blocks that
were left uncorrected by FEC
er_enc_in               0                   Encoding errors inside
of frames
er_crc                  0                   Frames with CRC errors
er_trunc                0                   Frames shorter than
minimum
er_toolong              0                   Frames longer than
maximum
er_bad_eof              0                   Frames with bad end-of-
frame
er_enc_out              0                   Encoding error outside
of frames
er_bad_os               0                   Invalid ordered set
er_pcs_blk              0                   PCS block errors
er_rx_c3_timeout        0                   Class 3 receive frames
discarded due to timeout
er_tx_c3_timeout        0                   Class 3 transmit frames
discarded due to timeout
er_unroutable           0                   Frames that are
unroutable
er_unreachable          0                   Frame with unreachable
```

```
destination
er_other_discard        0                   Other discards
er_type1_miss           0                   frames with FTB type 1
miss
er_type2_miss           0                   frames with FTB type 2
miss
er_type6_miss           0                   frames with FTB type 6
miss
er_zone_miss            0                   frames with hard zoning
miss
er_lun_zone_miss        0                   frames with LUN zoning
miss
er_crc_good_eof         0                   Crc error with good eof
er_inv_arb              0                   Invalid ARB
er_single_credit_loss   0                   Single vcrdy/frame loss
on link
er_multi_credit_loss    0                   Multiple vcrdy/frame
loss on link
other_credit_loss       0                   Link timeout/complete
credit loss
phy_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
phy_port stats clear
lgc_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
lgc_port stats clear
fec_corrected_rate      0                   FEC Corrected blocks per
second

portstats64show 39
stat64_wtx      0           top_int : 4-byte words transmitted
                0           bottom_int : 4-byte words transmitted
stat64_wrx      0           top_int : 4-byte words received
                0           bottom_int : 4-byte words received
stat64_ftx      0           top_int : Frames transmitted
                0           bottom_int : Frames transmitted
stat64_frx      0           top_int : Frames received
                0           bottom_int : Frames received
stat64_c2_frx   0           top_int : Class 2 frames received
                0           bottom_int : Class 2 frames received
stat64_c3_frx   0           top_int : Class 3 frames received
                0           bottom_int : Class 3 frames received
stat64_lc_rx    0           top_int : Link control frames received
                0           bottom_int : Link control frames
received
stat64_mc_rx    0           top_int : Multicast frames received
                0           bottom_int : Multicast frames received
stat64_mc_to    0           top_int : Multicast timeouts
                0           bottom_int : Multicast timeouts
stat64_mc_tx    0           top_int : Multicast frames transmitted
                0           bottom_int : Multicast frames
transmitted
tim64_rdy_pri   0           top_int : Time R_RDY high priority
                0           bottom_int : Time R_RDY high priority
tim64_txcrd_z   0           top_int : Time BB_credit zero
                0           bottom_int : Time BB_credit zero
```

```
er64_enc_in     0           top_int : Encoding errors inside of
frames
                0           bottom_int : Encoding errors inside of
frames
er64_crc        0           top_int : Frames with CRC errors
                0           bottom_int : Frames with CRC errors
er64_trunc      0           top_int : Frames shorter than minimum
                0           bottom_int : Frames shorter than minimum
er64_toolong    0           top_int : Frames longer than maximum
                0           bottom_int : Frames longer than maximum
er64_bad_eof    0           top_int : Frames with bad end-of-frame
                0           bottom_int : Frames with bad end-of-
frame
er64_enc_out    0           top_int : Encoding error outside of
frames
                0           bottom_int : Encoding error outside of
frames
er64_disc_c3    0           top_int : Class 3 frames discarded
                0           bottom_int : Class 3 frames discarded
er64_pcs_blk    0           top_int : PCS block errors
                0           bottom_int : PCS block errors
stat64_rateTxFrame      0           Tx frame rate (fr/sec)
stat64_rateRxFrame      0           Rx frame rate (fr/sec)
stat64_rateTxPeakFrame  0           Tx peak frame rate (fr/sec)
stat64_rateRxPeakFrame  0           Rx peak frame rate (fr/sec)
stat64_rateTxWord       0           Tx Word rate (words/sec)
stat64_rateRxWord       0           Rx Word rate (words/sec)
stat64_rateTxPeakWord   0           Tx peak Word rate (words/sec)
stat64_rateRxPeakWord   0           Rx peak Word rate (words/sec)
stat64_PRJTFrames       0           top_int : Number of PRJT frames
returned to this port
                        0           bottom_int : Number of PRJT
frames returned to this port
stat64_PBSYFrames       0           top_int : Number of PBSY frames
returned to this port
                        0           bottom_int : Number of PBSY
frames returned to this port
stat64_inputBuffersFull 0           top_int : Number of occurrences
when all input buffers full
                        0           bottom_int : Number of
occurrences when all input buffers full
stat64_rxClass1Frames   0           top_int : Number of class 1
frames received
                        0           bottom_int : Number of class 1
frames received
stat64_aveTxFrameSize   0           Average Tx Frame size
stat64_aveRxFrameSize   0           Average Rx Frame size
Lr_in           0           top_int
                0           bottom_int
Ols_in          0           top_int
                0           bottom_int
Lr_out          0           top_int
                0           bottom_int
Ols_out         0           top_int
```

```
                0           bottom_int
Link_failure    0           top_int
                0           bottom_int
Invalid_CRC     0           top_int
                0           bottom_int
Invalid_word    0           top_int
                0           bottom_int
Protocol_err    0           top_int
                0           bottom_int
Loss_of_sig     0           top_int
                0           bottom_int
Loss_of_sync    0           top_int
                0           bottom_int
er_bad_os       0           top_int : Invalid ordered set
                0           bottom_int: Invalid ordered set


portrouteshow 39
port address ID: 0x012700
external unicast routing table:
   0: Embedded
 255: Embedded
internal unicast routing table:
   0: Embedded

portcamshow 39
-------------------------------------------------
Port  SID used  DID used  SID entries  DID entries
39     0         0         000000       000000
-------------------------------------------------

ptbufshow, ptcreditshow, ptdatashow, ptstatsshow 39
S:
S:VF Enable:            1
S:
S:C4 Global Variable:
S:-------------------------------------------------------------------
---------
S:trace_stop:           0
S:
S:C4 Phy Data Pointers: c4_phyp = 0xb6ae9040
S:-------------------------------------------------------------------
---------
S:tnodep                        0xbb848000      pt
        0x43028019
S:proto_phyp            0xb880aea0      phy_cfg
0xb6aea080
S:c4_chp                        0x97e28000      c4_lgcp
0x97fac000
S:c4_phy_regp           0x81cc8000      proc_dir
0xb851cd20
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4345678      num_port_timer          12
```

```
S:prev_if_id            0x43020019      S:ftx                   0
        tov                     0
S:initialized           1               port_idx                25
S:ui_idx                        39              slot_no
        0
S:blade_idx             25              sw_usr_ports            400
S:unused                        0               intr_debounced
        0
S:aec_status            0x0             reason_code
        0
S:debug                 0x00000004      debug_trc_line          0
S:rxbuf_list_head       0xffffffff      rxbuf_list_tail
0xffffffff
S:isAePort                      0               port_misc_data
                0
S:num_fault1_rx_disc    0               num_fault2_rx_disc      0
S:p_lli_cause0          0               p_sig_regained          0
S:p_sync_regained               0               enc_out
        0x0
S:cached_fps_status     0               cached_sts_status       0
S:cached_er_crc_good_eof        0
S:cached_er_bad_os      0               cached_er_too_long      0
S:cached_er_trunc       0
cached_tot_er_crc_good_eof      0
S:num_pt_excess_intr    0               num_no_fid              0
S:num_fault1_cnt                0               num_fault2_cnt
        0
S:num_fault_lip         0               num_fault_lli           0
S:num_fault_rx_fifo     0               num_fault_hss           0
S:num_fault_bwait               0               lli_intr_prim
        0
S:num_sw_link_to                0
be_link_err_mon_count           0
S:ecb_enc_enabled               0               ecb_comp_enabled
                0
S:ecb_rsv_enc           0               ecb_rsv_comp            0
S:ecb_enc_bm            0x0             ecb_key_index
0xffffffff
S:fab_idx               0
S:num_be_lto            0               lto_count_reset_intvl
        0
S:lr_count_reset_intvl          0               num_be_lr
        0
S:num_fault_qsfp                0               check_lto
        0
S:credit_loaded         0               num_credit_overrun
        0
S:fec_enabled           0x0             fec_los_to_flag         0x0
S:phy_stats_clear_ts            1725611419      pcs_err_online
        0
S:pcs_err_light_det             0               pcs_err_ignore
        0
S:pcs_blk_err           0               pcs_hiber               0
S:phy_port_status               0               ecb_enc_lr_count
```

```
                0
S:dport_mode            0               avoid_lto_det           0
S:sn_debounced          0x0             sn_started_kr_reqd      0
S:major_timer_started   0x0             ready_bm                0x0
S:parln_1_bm            0x0             parln_0_bm              0x0
S:be_los_of_sync_event_intvl            0
be_los_of_sync_event            0
S:erratePtenable_cntr           0               errataPoll_cntr
        0
S:jda_rx_sig_loss_det           0               jda_rx_sig_loss_cnt
                0
S:encrypt_blk_error             0
S:
S:      c4_trunk
S:======================================
S:mark_ts               0x0             deskew                  0x0
S:master_phyp           0x0
S:
S:adelay[00]: 0x00000000 0x00000000 0x00000000 0x00000000
S:adelay[04]: 0x00000000 0x00000000 0x00000000 0x00000000
S:
S:      c4_buf
S:======================================
S:tx_csc                        0               rx_csc
        0
S:ld_vc_credits         0               tx_flag                 0x0
S:alloc_buffers         0               req_buffers             0
S:est_buffers           20              ld_use_est              0
S:bb_sc_n                       0               rx_bb_sc_n
        0
S:data_cr                       5               nondata_cr
        6
S:cr_enable             0
S:ld_nondata_cr         6               tnodep
0xbb8480e0
S:tx_credits[0] 0    0    0    0    0    0    0    0
S:tx_credits[8] 0    0    0    0    0    0    0    0
S:tx_credits[16]        0    0    0    0    0    0    0    0
S:tx_credits[24]        0    0    0    0    0    0    0    0
S:tx_credits[32]        0    0    0    0    0    0    0    0
S:rx_credits[0] 0    0    0    0    0    0    0    0
S:rx_credits[8] 0    0    0    0    0    0    0    0
S:rx_credits[16]        0    0    0    0    0    0    0    0
S:rx_credits[24]        0    0    0    0    0    0    0    0
S:rx_credits[32]        0    0    0    0    0    0    0    0
S:tx_mbc[0]     0    0    0    0    0    0    0    0
S:tx_mbc[8]     0    0    0    0    0    0    0    0
S:tx_mbc[16]    0    0    0    0    0    0    0    0
S:tx_mbc[24]    0    0    0    0    0    0    0    0
S:tx_mbc[32]    0    0    0    0    0    0    0    0
S:rx_mbc[0]     0    0    0    0    0    0    0    0
S:rx_mbc[8]     0    0    0    0    0    0    0    0
S:rx_mbc[16]    0    0    0    0    0    0    0    0
S:rx_mbc[24]    0    0    0    0    0    0    0    0
```

```
S:rx_mbc[32]    0    0    0    0    0    0    0    0
S:
S:C4 Chip Variables: c4_phyp->c4_chp = 0x97e28000
S:-----------------------------------------------------------------
---------
S:version = 2.1
S:magic_id              0xc4234567      init_state              0x8
S:reset_reg_mem         0x1
S:ch_int0_en_bm         0x0             intr0_cause             0x0
S:ch_int1_en_bm         0x0             intr1_cause             0x0
S:ch_int2_en_bm         0x0             intr2_cause             0x0
S:ch                    0x43010080      ch_cfg
0xb7013ba0
S:raslog_hndl.hndl      0x0             obj_halted              0x0
S:c4_chip_regp          0x80000000      c4_fpg_regp
0x81800000
S:num_chip_timer        0x5
S:hi_task_bm            0x0             lo_task_bm              0x0
S:c4_deferq.q_head      0x0             c4_deferq.q_tail        0x0
S:c4_tmrq.q_head        0x0             c4_tmrq.q_tail          0x0
slot_no                 0
S:chip_inst             0               chip_idx                0
S:pll_initialized               1
pll_serdes_initialized  1
S:init_tries            0               init_ptEnableBM
0xba01b488
S:tick_polling          0xb980c9c0      sec_polling
0xb980c960
S:bb_fid                        129
S:ecb_key_bm[0]         0x0             ecb_key_bm[1]           0x0
S:ecb_key_bm[2]         0x0             ecb_key_bm[3]           0x0
S:is_chip_enc_enabled                   0
is_chip_comp_enabled    0x0
S:ftb_rsrcp->ftb_flags  0x0             act_rsrcp->act_flag     0x1
S:lue_rsrcp->lue_flags[0]       0x0             lue_rsrcp-
>lue_flags[1]   0x0
S:c4_phyp[00]: 0xb6ab0000 0xb6ab2080 0xb6ab4100 0xb6ab6180
S:c4_phyp[04]: 0xb6ab9040 0xb6abb0c0 0xb6abd140 0xb6ac0000
S:c4_phyp[08]: 0xb6ac2080 0xb6ac4100 0xb6ac6180 0xb6ac9040
S:c4_phyp[12]: 0xb6acb0c0 0xb6acd140 0xb6ad0000 0xb6ad2080
S:c4_phyp[16]: 0xb6ad4100 0xb6ad6180 0xb6ad9040 0xb6adb0c0
S:c4_phyp[20]: 0xb6add140 0xb6ae0000 0xb6ae2080 0xb6ae4100
S:c4_phyp[24]: 0xb6ae6180 0xb6ae9040 0xb6aeb0c0 0xb6aed140
S:c4_phyp[28]: 0xb6af0000 0xb6af2080 0xb6af4100 0xb6af6180
S:c4_phyp[32]: 0xb6af9040 0xb6afb0c0 0xb6afd140 0xb6b00000
S:c4_phyp[36]: 0xb6b02080 0xb6b04100 0xb6b06180 0xb6b09040
S:c4_phyp[40]: 0xb6b0b0c0 0xb6b0d140 0xb6b10000 0xb6b12080
S:c4_phyp[44]: 0xb6b14100 0xb6b16180 0xb6b19040 0xb6b1b0c0
S:c4_phyp[48]: 0xb6b1d140 0xb6b20000 0xb6b22080 0xb6b24100
S:c4_phyp[52]: 0xb6b26180 0xb6b29040 0xb6b2b0c0 0xb6b2d140
S:c4_phyp[56]: 0xb6b30000 0xb6b32080 0xb6b34100 0xb6b36180
S:c4_phyp[60]: 0xb6b39040 0xb6b3b0c0 0xb6b3d140 0xb6b40000
S:c4_lgcp[00]: 0x97f48000 0x97f4c000 0x97f50000 0x97f54000
S:c4_lgcp[04]: 0x97f58000 0x97f5c000 0x97f60000 0x97f64000
```

```
S:c4_lgcp[08]: 0x97f68000 0x97f6c000 0x97f70000 0x97f74000
S:c4_lgcp[12]: 0x97f78000 0x97f7c000 0x97f80000 0x97f84000
S:c4_lgcp[16]: 0x97f88000 0x97f8c000 0x97f90000 0x97f94000
S:c4_lgcp[20]: 0x97f98000 0x97f9c000 0x97fa0000 0x97fa4000
S:c4_lgcp[24]: 0x97fa8000 0x97fac000 0x97fb0000 0x97fb4000
S:c4_lgcp[28]: 0x97fb8000 0x97fbc000 0x97fc0000 0x97fc4000
S:c4_lgcp[32]: 0x97fc8000 0x97fcc000 0x97fd0000 0x97fd4000
S:c4_lgcp[36]: 0x97fd8000 0x97fdc000 0x97fe0000 0x97fe4000
S:c4_lgcp[40]: 0x97fe8000 0x97fec000 0x97ff0000 0x97ff4000
S:c4_lgcp[44]: 0x97ff8000 0x97ffc000 0x8e000000 0x8e004000
S:c4_lgcp[48]: 0x8e008000 0x8e00c000 0x8e010000 0x8e014000
S:c4_lgcp[52]: 0x8e018000 0x8e01c000 0x8e020000 0x8e024000
S:c4_lgcp[56]: 0x8e028000 0x8e02c000 0x8e030000 0x8e034000
S:c4_lgcp[60]: 0x8e038000 0x8e03c000 0x8e040000 0x8e044000
S:chip_timers[00]: 0xb980c720 0xb980c780 0xb980c7e0 0xb980c840
S:chip_timers[04]: 0xb980c8a0 0xb980c900
S:disc_trap_enable_required     0x0             rxlp_disc_log_stop
        0x0
S:curr_rxlp_frm_cnt     0x0             curr_rxlp_disc_frm_cnt  0x0
S:sw_disc_frm_cnt       0x0             last_disc_frm_cnt       0x0
S:txq_nopop_pr_cnt      0x0             pollErrataDfe_ptBM
0xba01b4b0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][0]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][1]  0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][2]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][0] 0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][1]       0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][2] 0x0
S:
S:C4 Logical Port Variables
S:-----------------------------------------------------------------
---------
S:c4_lgc_regp           0x81cc8000
S:c4_phyp:
S:      0xb6ae9040      0x0             0x0             0x0

S:      0x0             0x0             0x0             0x0

S:master_phyp           0xb6ae9040      if_id
0x43020019
S:min_phyp              0x0             max_phyp                0x0
S:num_phy_ports         1               lgc_num                 25
S:num_iu_to             0               sw_txq_bm
        0
S:port_fid              128             unused                  0
S:port_group            3               lgc_stats_clear_ts
                1725611419
S:domain_tbl_sel                0               area_tbl_sel
        0
S:egid_tbl_sel          0
S:serv_lo_bm            0x0
S:
S:Proto Phy Variables:
S:-----------------------------------------------------------------
```

```
---------
S:magic_id              0xc4123456      asic_phyp
0xb6ae9040
S:port_id                       0x43028019      phy_cfg
        0xb6aea080
S:upsm_hdl              0xb8017dc0      physm_hdl
0xb8017b40
S:ov_snsm_hdl           0xb8017a00      sw_snsm_hdl
0xb8017aa0
S:ov_lksm_hdl           0xb8017be0      sw_lksm_hdl
0xb8017c80
S:trksm_hdl             0xb8017d20      lr_flag         0x0
S:lr_active             0x0             qsfp_txrx_rate_sel
        0x0
S:
S:UPSM      UP00: UPST_PORT_DISABLED    --> UP01:
UPST_START_PORT_INIT
S:SNSM(OV)  SN00: OV_SNST_STOPPED       --> SN00: OV_SNST_STOPPED
S:SNSM(SW)  SW00: SW_SNST_STAGE_WS      --> SW00: SW_SNST_STAGE_WS
S:PHYSM     UNKNOWN     --> PP03: PHYST_NO_SIGNAL
S:LKSM(OV)  LK00: OV_LKST_INACTIVE      --> LK00: OV_LKST_INACTIVE
S:LKSM(SW)  SW13: INACTIVE              --> SW13: INACTIVE
S:TRKSM     TRK0: TRKST_INIT            --> TRK0: TRKST_INIT
S:
S:physm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb880aea0      physm_hdl
0xb8017b40
S:force_offline         0               copper                  0
S:fault_reason          0: UNKNOWN
S:phy_media_present             1
S:
S:snsm variables:
S:-------------------------------------------------------------------
---------
S:speed                 0xff            proto_phyp
0xb880aea0
S:hw_sn_tries_left      0x0             sw_sn_tries_left        0x0
S:curr_txsp_count               0x0
S:tx_max                        0x0             curr_tx_indx
        0x0
S:curr_tx                       0x0             curr_rxsp_count
        0x0
S:rx_max                        0x0             curr_rx_indx
        0x0
S:curr_rx                       0x0             rx_mem
        0x0
S:rxsp_rec_count                0x0
S:nc_start              0x0             tx_start                0x0
S:sync_start            0x0             sync_present            0x0
S:diag_auto             0x0             diag_speed              0xff
S:striped_wd_tov                3000            hw_wd_tov
        3000
```

```
S:step                  0x0             qsfp28_speed_mode
        0x0
S:qsfp_mode0_hw_sn_tries_left           0x0
S:qsfp_mode1_hw_sn_tries_left           0x0
S:
S:lksm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb880aea0      ov_lksm_hdl
0xb8017be0
sw_lksm_hdl             0xb8017c80
num_lf1                 0
S:hw_link_tries_left    0               sw_link_tries_left      0
S:buf_ptype             0x0             stored_entry_state      0x6
S:handshake_owner               0x0             mark_unsent
        0x0
S:busybuf_stuck         0x0             lr_wait                 0x0
S:
S:trksm variables:
S:-------------------------------------------------------------------
---------
S:Not a trunk port
S:
S:upsm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb880aea0      upsm_hdl
0xb8017dc0
S:bb_credits            0               port_beacon             0
S:port_diag_flag                0               force_offline
        0
S:port_fault_rsn                0: PORT_NO_FAULT
S:retry_init_rsn                0: UNKNOWN
S:linit_reason          0               linit_result            0
S:ie_fctl_mode          0               fec_in_sync_tries_left  0
S:retry_sn_fail_init    0
retry_link_fail_init    0
S:excess_lr_count       0
S:
S:c4_ch_cfg
S:-------------------------------------------------------------------
---------
S:c4_desc_ring_size     256      292      256      256      292
292      2        292      292
S:thresh_def            0        16       1        0
S:intr_tries            500             cmem_pattern
0xdeadbeef
S:cmem_pattern_upwd     2               cmem_init_time          16
S:cmem_init_tries               5
S:ctrl_par_thresh               2               data_par_thresh
        4
S:cam_par_thresh                4               buf_loss_thresh
        12
S:crit_par_thresh               2               non_crit_par_thresh
```

```
        6
S:pci_abort_thresh      10              pci_err_thresh          5
S:excess_chintr_thresh  8               sw_err_thresh           20
S:err_sample_period     300             intr_sleep
20000
S:frame_timeout 2500            proxy_dev               16384
S:vf_route      81920           qos             2048
S:stats 2048            f_redirect              2048
S:rsp_trap      2048            lun_zoning              20480
S:area_mode     0               ftb_max_loop[0]         0
S:ftb_max_loop[1]       6               ftb_max_loop[2]         9
S:ftb_max_loop[3]       10              ftb_max_loop[4]         10
S:ftb_max_loop[5]       5               ftb_max_loop[6]         6
S:ftb_seg_size[0]       0               ftb_seg_size[1]
16384
S:ftb_seg_size[2]       65536           ftb_seg_size[3]
16384
S:ftb_seg_size[4]       16384           ftb_seg_size[5]
65536
S:ftb_seg_size[6]       16384           ftb_seg_base[0]         0
S:ftb_seg_base[1]       0               ftb_seg_base[2]
65536
S:ftb_seg_base[3]       16384           ftb_seg_base[4]
32768
S:ftb_seg_base[5]       131072          ftb_seg_base[6]
49152
asic_err_monitor_period1                300
asic_err_monitor_period2                86400
zone_chk_to_poll_period 25
zone_chk_class2_reject_tov              220
S:
S:c4_phy_cfg
S:-------------------------------------------------------------------
---------
S:version = 2.1
S:pt                    0x43028019      fab_ptr
0x9a800000
S:fabattr                       0x9a8000d4      fab_iop
        0x9a800050
S:cfgbm                 0xbb847e04      port_ctrl
0xb6aea098
S:pcap.pcap_bm          0x8d215547      pcap.pcap2_bm
0x588289
S:pcap.pcap3_bm         0x1bebe0c
ui_idx                  39              S:slot_no
        0
is_icl                  0               S:sw_usr_ports          400
S:neg_speed             0 0 0 0 0 0
S:my_domain             0x1             port_mode               0x0
S:hw_sn_maxtries                100             sw_sn_maxtries
        0
S:hw_link_maxtries      10              sw_link_maxtries        5
S:rx_cyc_tov            28              rttov                   300
S:bufrdy_tov            300             busybuf_tov             286
```

```
S:mark_tov              300             lksm_tov                3000
S:buf_dealloc_wait      4               hw_wd_tov               3000
S:hw_lk_train_tov               540             hw_lk_test_tov
        150
S:syswait_tx_12_lips    1               lip_rx_tov              55
S:al_time_tov           15              lp_tov                  2000
S:intr_tries_port               500             intr_mod_debounce
        250
S:intr_lsr_flt_debounce 500             intr_efifo_debounce     100
S:port_no_fid           3               excess_ptintr_thresh    8
S:port_fault1_thresh    100             port_fault1_spur_thresh 250
S:port_fault1_disc_thresh       500
port_fault1_disc_spur_thresh    1000
S:port_fault2_thresh    5               losync_tov              100
S:port_sw_link_to               15              en_8g_scramble
        1
frc_hw_sn_mode          0x1
S:enc_poll_thresh               0               fec_enable
        0
S:fec_in_sync_to                50              fec_in_sync_try_max
        4
S:port_be_lto_threshold         100             port_be_lr_threshold
              2
S:be_cr_in_sync_to              5
port_credit_overrun_thresh              10
S:jda_sfp_losig_tov             400
jda_sfp_losig_try_max           30
S:striped_wd_tov                3000
no_sync_debounce                1200
S:
S:      fab_iop
S:======================================
S:fab_iop->interop_mode 0x0             fab_iop->lab_mode       0x0
S:fab_iop->fl_bbc               0x0             fab_iop->fl_fan
        0x0
S:fab_iop->fl_cls               0x4             fab_iop->fl_rscn
        0x0
S:fab_iop->domain_id_offset     0x60            fab_iop-
>mcdt_fabric_mode       0x0
S:fab_iop->mcdt_default_zone            0x0             fab_iop-
>mcdt_safe_zone         0x0
S:
S:      port_ctrl
S:======================================
S:port_ctrl.port_type   1               port_ctrl.port_grp      3
S:port_ctrl.port_number 39              port_ctrl.vc_mode       1
S:
S:      port_ctrl.lcap
S:======================================
S:has_serdes            0               has_media               1
S:topology              1               skip_nego               0
S:skip_pnego            0               skip_init_event         0
S:en_shim                       0               speed_neg
        1
```

```
S:loop_back             0               num_speeds              5
S:fec_enable            0
S:
S:      port_ctrl.speed_list array
S:=======================================
S:speed_list[0].auto_neg  1     speed_list[0].lnk_speed  0x0000000a
S:speed_list[1].auto_neg  1     speed_list[1].lnk_speed  0x00000008
S:speed_list[2].auto_neg  0     speed_list[2].lnk_speed  0x00000006
S:speed_list[3].auto_neg  1     speed_list[3].lnk_speed  0x00000005
S:speed_list[4].auto_neg  0     speed_list[4].lnk_speed  0x00000003
S:speed_list[5].auto_neg  0     speed_list[5].lnk_speed  0x00000000
S:
S:      port_ctrl.cm
S:=======================================
S:port_ctrl.cm.num_vcs          8
S:port_ctrl.cm.min_bufs         8
S:port_ctrl.cm.cr_shar_bufs     0
S:port_ctrl.vc_alloc
S:port_ctrl.vc_alloc            2 0 1 1 1 1 1 1
S:port_ctrl.vc_alloc            0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.norm_vc_alloc
S:port_ctrl.norm_vc_alloc       4 0 5 5 5 5 1 1
S:port_ctrl.norm_vc_alloc       0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.cm.skip_bb_credit           0
S:port_ctrl.cm.use_shim_based_sublist           0
S:
S:      port_ctrl.serdes_set
S:=======================================
S:serdes_type           0x8
S:serdes_data_t.ibm_hss_serdes.tx_drive_power           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b_sign      0x1
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_a           0x0
S:serdes_data_t.ibm_hss_serdes.rxeq                     0x0
S:
S:      cfgbm
S:=======================================
S:old_distance          0x0             gport_lockdown          0x0
S:tport                 0x1             speed                   0x0
S:disable_eport         0x0             fcacc                   0x0
S:lport_lockdown                0x0             priv_lport_lockdown
        0x0
S:vcxlt_linit           0x0             delay_flogi             0x0
S:isl_interop           0x0             distance                0x0
S:BufStarvFlag          0x0             credit_sharing          0x0
S:lport_halfduplex      0x0             lport_fairness          0x0
S:soft_neg              0x0             asn_frc_hwretry         0x0
S:cr_recov              0x0             fport_buffers           0x0
S:export                        0x0             export_mode
        0x0
S:csctl_en              0x0             mirror_port             0x0
S:fault_delay           0x0             non_dfe                 0x0
```

```
S:fec_configured*(0=ENAB)       0               fec_tts
        0
S:port_persistently_disabled (permanently) 0 (0)
S:
S:      cfg property
S:======================================
S:priv_pcfg_bm          0x00000000      lgcl_pcfg_bm
0xbb847e44
S:fport_buffer          0x00000000
S:
S:
S:C4 Discard Cntrs: rxlp_stats = 0xb6ae93f0
S:-------------------------------------------------------------------
---------
S:disc_mcast_wka        0x0             disc_inv_did            0x0
S:disc_cl1_cl4          0x0             disc_sid_chk_fail       0x0
S:disc_inv_dom_egid_txpt        0x0             disc_vft_hop_cnt_1
        0x0
S:disc_classf           0x0             disc_fcp_cdb_inv        0x0
S:disc_vfid_trap_enabled        0x0
disc_vfid_hdr_chk_fail  0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_ftb_vm_mode      0x0             disc_ftb_agn_t2_miss    0x0
S:disc_ecb_de_pad_err   0x0             disc_ecb_de_tag_err     0x0
S:disc_ecb_de_seq_err   0x0             disc_ecb_err            0x0
S:disc_ftb_type4_match  0x0             disc_fcp_rsp_ftb_type4  0x0
S:disc_fcp_rsp_ftb_type4        0x0             disc_ftb_type5_match
        0x0
S:disc_ftb_type3_match  0x0             disc_els_ftb_type3      0x0
S:disc_ftb_type1_match  0x0             disc_els_rsp_ex_port    0x0
S:disc_inv_drp_dps      0x0             disc_did_lookup_miss    0x0
S:disc_ftb_type2_match  0x0             disc_trpd_plogi_pdisc   0x0
S:disc_type2_lookup_miss        0x0             disc_ftb_type6_match
        0x0
S:disc_els_rep_ex_port  0x0             disc_els_sid_lkup_bit1  0x0
S:disc_els_sid_lkup_bit0        0x0
disc_bls_frm_trap_bit1  0x0
S:disc_ftb_token_err    0x0             disc_asic_internal_err  0x0
S:disc_hard_zone_miss   0x0             disc_lun_zone_miss      0x0
S:disc_flt_frame_disc   0x0             disc_flt_parity_err     0x0
S:disc_frame_marked_du  0x0             disc_frame_marked_to    0x0
E:Connection type: FE
E:Port type: F_port
E:Trunk port: No
E:Configured Speed: AUTO_SPEED_NEGO
E:Max Capable Speed: 32G
E:Current SNSM Speed: UNDEFINED
E:Hardware TX Speed: 32G (0x00000004)
E:Hardware RX Speed: 32G (0x00000040)
E:
E:Interrupts:   0           Link_failure:       0
Loss_of_sync:   0           Loss_of_sig:        0
E:Lli:          0           Invalid_word:       0
```

```
E:trapped_frm:  0           fwd_status_ok:      0
E:fwd_timeout:  0           fwd_tx_unavail:     0
E:fwd_unroutable:       0           fwd_zone_out:       0
E:fwd_other_err:        0           frm_err_discard:    0
E:Fltr listA:   0           Fltr listB:         0
E:Zone trap fwd:        0           Zone trap disc:     0
E:shim_csum:    0           RTE_perr:           0
E:Invalid_crc:  0           Delim_err:          0
E:Protocol_err: 0
E:Lr_in:        0           Lr_out:             0
E:Ols_in:       0           Ols_out:            0


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                FILTER DATA
                -----------
Shadow settings:
   Filter Enable: 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass: 0x00000000
Real settings:
   Enable RAM: 0x00000000, 0x00000000
```

```
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass RAM: 0x00000000

Shadowed filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        c4_fldenable[0] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[0] = 0x00000000,c4_fltr_config[0] = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        c4_fldenable[1] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[1] = 0x00000000,c4_fltr_config[1] = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        c4_fldenable[2] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[2] = 0x00000000,c4_fltr_config[2] = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        c4_fldenable[3] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[3] = 0x00000000,c4_fltr_config[3] = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        c4_fldenable[4] = 0x00000000 0x00000000 0x00000000
```

```
0x00000000
        c4_fldnegate[4] = 0x00000000,c4_fltr_config[4] = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        c4_fldenable[5] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[5] = 0x00000000,c4_fltr_config[5] = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        c4_fldenable[6] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[6] = 0x00000000,c4_fltr_config[6] = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        c4_fldenable[7] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[7] = 0x00000000,c4_fltr_config[7] = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        c4_fldenable[8] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[8] = 0x00000000,c4_fltr_config[8] = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        c4_fldenable[9] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[9] = 0x00000000,c4_fltr_config[9] = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        c4_fldenable[10] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[10] = 0x00000000,c4_fltr_config[10] =
0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        c4_fldenable[11] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[11] = 0x00000000,c4_fltr_config[11] =
0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        c4_fldenable[12] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[12] = 0x00000000,c4_fltr_config[12] =
0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        c4_fldenable[13] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[13] = 0x00000000,c4_fltr_config[13] =
0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        c4_fldenable[14] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[14] = 0x00000000,c4_fltr_config[14] =
0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        c4_fldenable[15] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[15] = 0x00000000,c4_fltr_config[15] =
0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        c4_fldenable[16] = 0x00000000 0x00000000 0x00000000
```

```
0x00000000
        c4_fldnegate[16] = 0x00000000,c4_fltr_config[16] =
0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        c4_fldenable[17] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[17] = 0x00000000,c4_fltr_config[17] =
0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        c4_fldenable[18] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[18] = 0x00000000,c4_fltr_config[18] =
0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        c4_fldenable[19] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[19] = 0x00000000,c4_fltr_config[19] =
0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        c4_fldenable[20] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[20] = 0x00000000,c4_fltr_config[20] =
0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        c4_fldenable[21] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[21] = 0x00000000,c4_fltr_config[21] =
0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        c4_fldenable[22] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[22] = 0x00000000,c4_fltr_config[22] =
0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        c4_fldenable[23] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[23] = 0x00000000,c4_fltr_config[23] =
0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        c4_fldenable[24] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[24] = 0x00000000,c4_fltr_config[24] =
0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        c4_fldenable[25] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[25] = 0x00000000,c4_fltr_config[25] =
0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        c4_fldenable[26] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[26] = 0x00000000,c4_fltr_config[26] =
0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
```

```
        c4_fldenable[27] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[27] = 0x00000000,c4_fltr_config[27] =
0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        c4_fldenable[28] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[28] = 0x00000000,c4_fltr_config[28] =
0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        c4_fldenable[29] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[29] = 0x00000000,c4_fltr_config[29] =
0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        c4_fldenable[30] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[30] = 0x00000000,c4_fltr_config[30] =
0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        c4_fldenable[31] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[31] = 0x00000000,c4_fltr_config[31] =
0x00000000


Real filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
```

```
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
```

```
Filter 20: Not Installed (PERF5)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000

Filter dirty indicator: 0x00000000
Performance filters: 0
Port Mirror filters: 0 (0x0)
```

FIELD DATA

Shadowed fields:

fldoffset[0] = 0x00,fldmask[0] = 0x00,fldvalue_dyna[0]:0x00 0x00 0x00 0x00
fldcontrol[0].inuse = 0x0 fldcontrol[0].refcnt = 0x00 0x00 0x00 0x00
fldoffset[1] = 0x00,fldmask[1] = 0x00,fldvalue_dyna[1]:0x00 0x00 0x00 0x00
fldcontrol[1].inuse = 0x0 fldcontrol[1].refcnt = 0x00 0x00 0x00 0x00
fldoffset[2] = 0x00,fldmask[2] = 0x00,fldvalue_dyna[2]:0x00 0x00 0x00 0x00
fldcontrol[2].inuse = 0x0 fldcontrol[2].refcnt = 0x00 0x00 0x00 0x00
fldoffset[3] = 0x00,fldmask[3] = 0x00,fldvalue_dyna[3]:0x00 0x00 0x00 0x00
fldcontrol[3].inuse = 0x0 fldcontrol[3].refcnt = 0x00 0x00 0x00 0x00
fldoffset[4] = 0x00,fldmask[4] = 0x00,fldvalue_dyna[4]:0x00 0x00 0x00 0x00
fldcontrol[4].inuse = 0x0 fldcontrol[4].refcnt = 0x00 0x00 0x00 0x00
fldoffset[5] = 0x00,fldmask[5] = 0x00,fldvalue_dyna[5]:0x00 0x00 0x00 0x00
fldcontrol[5].inuse = 0x0 fldcontrol[5].refcnt = 0x00 0x00 0x00 0x00
fldoffset[6] = 0x00,fldmask[6] = 0x00,fldvalue_dyna[6]:0x00 0x00 0x00 0x00
fldcontrol[6].inuse = 0x0 fldcontrol[6].refcnt = 0x00 0x00 0x00 0x00
fldoffset[7] = 0x00,fldmask[7] = 0x00,fldvalue_dyna[7]:0x00 0x00 0x00 0x00
fldcontrol[7].inuse = 0x0 fldcontrol[7].refcnt = 0x00 0x00 0x00 0x00
fldoffset[8] = 0x00,fldmask[8] = 0x00,fldvalue_dyna[8]:0x00 0x00 0x00 0x00
fldcontrol[8].inuse = 0x0 fldcontrol[8].refcnt = 0x00 0x00 0x00 0x00
fldoffset[9] = 0x00,fldmask[9] = 0x00,fldvalue_dyna[9]:0x00 0x00 0x00 0x00
fldcontrol[9].inuse = 0x0 fldcontrol[9].refcnt = 0x00 0x00 0x00 0x00
fldoffset[10] = 0x00,fldmask[10] = 0x00,fldvalue_dyna[10]:0x00 0x00 0x00 0x00
fldcontrol[10].inuse = 0x0 fldcontrol[10].refcnt = 0x00 0x00 0x00 0x00
fldoffset[11] = 0x00,fldmask[11] = 0x00,fldvalue_dyna[11]:0x00 0x00 0x00 0x00
fldcontrol[11].inuse = 0x0 fldcontrol[11].refcnt = 0x00 0x00 0x00 0x00
fldoffset[12] = 0x00,fldmask[12] = 0x00,fldvalue_dyna[12]:0x00 0x00

```
0x00 0x00
fldcontrol[12].inuse = 0x0  fldcontrol[12].refcnt = 0x00 0x00 0x00
0x00
fldoffset[13] = 0x00,fldmask[13] = 0x00,fldvalue_dyna[13]:0x00 0x00
0x00 0x00
fldcontrol[13].inuse = 0x0  fldcontrol[13].refcnt = 0x00 0x00 0x00
0x00
fldoffset[14] = 0x00,fldmask[14] = 0x00,fldvalue_dyna[14]:0x00 0x00
0x00 0x00
fldcontrol[14].inuse = 0x0  fldcontrol[14].refcnt = 0x00 0x00 0x00
0x00
fldoffset[15] = 0x00,fldmask[15] = 0x00,fldvalue_dyna[15]:0x00 0x00
0x00 0x00
fldcontrol[15].inuse = 0x0  fldcontrol[15].refcnt = 0x00 0x00 0x00
0x00
fldoffset[16] = 0x00,fldmask[16] = 0x00,fldvalue_dyna[16]:0x00 0x00
0x00 0x00
fldcontrol[16].inuse = 0x0  fldcontrol[16].refcnt = 0x00 0x00 0x00
0x00
fldoffset[17] = 0x00,fldmask[17] = 0x00,fldvalue_dyna[17]:0x00 0x00
0x00 0x00
fldcontrol[17].inuse = 0x0  fldcontrol[17].refcnt = 0x00 0x00 0x00
0x00
fldoffset[18] = 0x00,fldmask[18] = 0x00,fldvalue_dyna[18]:0x00 0x00
0x00 0x00
fldcontrol[18].inuse = 0x0  fldcontrol[18].refcnt = 0x00 0x00 0x00
0x00
fldoffset[19] = 0x00,fldmask[19] = 0x00,fldvalue_dyna[19]:0x00 0x00
0x00 0x00
fldcontrol[19].inuse = 0x0  fldcontrol[19].refcnt = 0x00 0x00 0x00
0x00

Real fields:

fldoffset RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fldmask RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fld value4 RAM:
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
```

```
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
Field dirty indicator: 0x00000000

FDB reference count fdb: 0 [0 0 0 0 ]
FDB reference count fdb: 1 [0 0 0 0 ]
FDB reference count fdb: 2 [0 0 0 0 ]
FDB reference count fdb: 3 [0 0 0 0 ]
FDB reference count fdb: 4 [0 0 0 0 ]
FDB reference count fdb: 5 [0 0 0 0 ]
FDB reference count fdb: 6 [0 0 0 0 ]
FDB reference count fdb: 7 [0 0 0 0 ]
FDB reference count fdb: 8 [0 0 0 0 ]
FDB reference count fdb: 9 [0 0 0 0 ]
FDB reference count fdb: 10 [0 0 0 0 ]
FDB reference count fdb: 11 [0 0 0 0 ]
FDB reference count fdb: 12 [0 0 0 0 ]
FDB reference count fdb: 13 [0 0 0 0 ]
FDB reference count fdb: 14 [0 0 0 0 ]
FDB reference count fdb: 15 [0 0 0 0 ]
FDB reference count fdb: 16 [0 0 0 0 ]
FDB reference count fdb: 17 [0 0 0 0 ]
FDB reference count fdb: 18 [0 0 0 0 ]
FDB reference count fdb: 19 [0 0 0 0 ]

Filter counters:
   Filter counter 0: 0  (MIRROR1)
   Filter counter 1: 0  (MIRROR2)
   Filter counter 2: 0  (MIRROR3)
   Filter counter 3: 0  (MIRROR4)
   Filter counter 4: 0  (AEPORT_NON_MIRR_DROP)
   Filter counter 5: 0  (ZONING TRAP)
   Filter counter 6: 0  (FCR_EXPORT_DC)
   Filter counter 7: 0  (TIN TRAP)
   Filter counter 8: 0  (FICON CUP)
   Filter counter 9: 0  (FICON CUP DST)
   Filter counter 10: 0 (WELL KNOWN ADDR)
   Filter counter 11: 0 (SIM)
   Filter counter 12: 0 (UNUSED)
   Filter counter 13: 0 (UNUSED)
   Filter counter 14: 0 (UNUSED)
   Filter counter 15: 0 (UNUSED)
   Filter counter 16: 0 (PERF1)
   Filter counter 17: 0 (PERF2)
   Filter counter 18: 0 (PERF3)
   Filter counter 19: 0 (PERF4)
   Filter counter 20: 0 (PERF5)
   Filter counter 21: 0 (PERF6)
   Filter counter 22: 0 (PERF7)
   Filter counter 23: 0 (PERF8)
   Filter counter 24: 0 (PERF9)
```

```
   Filter counter 25: 0 (PERF10)
   Filter counter 26: 0 (PERF11)
   Filter counter 27: 0 (PERF12)
   Filter counter 28: 0 (OPM1)
   Filter counter 29: 0 (OPM2)
   Filter counter 30: 0 (IPM1)
   Filter counter 31: 0 (IPM2)

               ACL DATA
               --------
Logical port 25: Hard Zoning disabled, Soft Zoning disabled
Zone type: WWN Zoning
Frames with hard zone miss: 0

*** Please use filterportshow on user port 56 to display ACL hash
tables and Mirroring resources of thischip.
 ***We show this data only for the first physical port which is an
exernal port.

portFcPortCmdShow --slot 0 40 3
doing portFcPortCmdShow: arg1 = 3, arg2 = -2

portshow 40
portDisableReason: None
portCFlags: 0x1
portFlags: 0x1   PRESENT U_PORT
LocalSwcFlags: 0x0
portType:  26.0
POD Port: Port is licensed
portState: 2    Offline
Protocol: FC
portPhys:  4    No_Light        portScn:   2    Offline
port generation number:    0
state transition count:    1

portId:    012800
portIfId:    43020016
portWwn:   20:28:d8:1f:cc:2c:99:90
portWwn of device(s) connected:
16b Area list:
Distance:  normal
portSpeed: N32Gbps

FEC: Inactive
Credit Recovery: Inactive
LE domain: 0
Peer beacon: Off
FC Fastwrite: OFF
Interrupts:        0         Link_failure: 0         Frjt:
0
Unknown:           0         Loss_of_sync: 0         Fbsy:
0
Lli:               0         Loss_of_sig:  0
Proc_rqrd:         0         Protocol_err: 0
```

```
Timed_out:         0          Invalid_word: 0
Tx_unavail:        0          Invalid_crc:  0
Delim_err:         0          Address_err:  0
Lr_in:             0          Ols_in:       0
Lr_out:            0          Ols_out:      0


portloginshow 40
Type  PID     World Wide Name        credit df_sz cos
=====================================================


portloginshow 40 -history
 Type  PID      World Wide Name           logout time
============================================================


portregshow 40

LED registers
=============
0x81cb2000: c4_led_status           00000000    0x81cb2004:
c4_led_ctl              00000000

FPL registers
=============
0x81cb0200: fpl_port_config         23298002
0x81cb020c: fpl_port_id_ctl         00000000    0x81cb0210:
fpl_port_id_addr        00012800
0x81cb0214: fpl_port_speed          00000004    0x81cb021c:
fpl_lli_ctl             00000100
0x81cb0228: fpl_lli_os_ctl          bc94ffff    0x81cb022c:
fpl_lli_send_word       bc95b5b5
0x81cb0230: fpl_lli_mark_rx         00000000    0x81cb0234:
fpl_lli_rnd_trip_time   00000000
0x81cb0238: fpl_lli_ns_status       00130007    0x81cb023c:
fpl_lli_intr_status     00030007
0x81cb0244: fpl_lli_def             00100000    0x81cb0254:
fpl_lli_intr_enable_clr 001c0000
0x81cb0258: fpl_err_intr_status     00000000    0x81cb0260:
fpl_err_intr_enable_clr 00000000
0x81cb0268: fpl_err_first_error     00000000    0x81cb026c:
fpl_speed_neg_ctl       00000000
0x81cb0270: fpl_speed_neg_stat      00000000    0x81cb0274:
fpl_softasn_ctl         0000000f
0x81cb0278: fpl_link_init_ctl       00000000    0x81cb027c:
fpl_link_init_stat      00000000
0x81cb0280: fpl_aec_ctl             001c1060    0x81cb0284:
fpl_aec_ctl2            04009f60
0x81cb0288: fpl_pcs_ctl             00000170    0x81cb028c:
fpl_fec_ctl             00000424
0x81cb0290: fpl_fec_cor             00000000    0x81cb0294:
fpl_fec_uncor           00000000
0x81cb0298: fpl_hss_link_ctl        0031f040    0x81cb029c:
```

```
fpl_afifo_link_ctl      00000a86
0x81cb02a0: fpl_echo_lb_ctl         0000028c    0x81cb02a4:
fpl_scratch             00000121
0x81cb02a8: fpl_debug               00060005    0x81cb02ac:
fpl_misc_debug          00000800
0x00000000: SW_shadow_reg           00000000    0x00000000:
SW_c4_phyp->cfgptr      00030003

per-fpg (per octet) registers
=============================
0x8181382c: fpg_serdes_ctla0        81a37be7    0x81813830:
fpg_serdes_ctla1        81a37be7
0x81813834: fpg_serdes_ctlb0        81a1c3c3    0x81813838:
fpg_serdes_ctlb1        81a1c3c3
0x8181383c: fpg_serdes_xgmii_1ms    00067c28    0x81813840:
fpg_serdes_regtimctl    40e47946
0x81813844: fpg_serdes_asnrsttimctl 00000102

HSS PLL registers
=============================
0x81813400: 00_hssplla_vco_coarse_cal0      00000000    0x81813404:
01_hssplla_vco_coarse_cal1      00000014
0x81813408: 02_hssplla_vco_coarse_cal2      00000000    0x8181340c:
03_hssplla_vco_coarse_cal3      00000000
0x81813410: 04_hssplla_vco_coarse_cal4      00000000    0x81813424:
09_hssplla_power_ctl            00000000
0x81813428: 0A_hssplla_charge_pump_ctl      00000004    0x81813438:
0E_hssplla_pll_misc_ctl         00000000
0x8181343c: 0F_hssplla_pclk_ctl             000000f8    0x81813440:
10_hssplla_eyem_intv_ctl        00000000
0x81813444: 11_hssplla_eyem_intv_lim1       00000000    0x81813448:
12_hssplla_eyem_intv_lim2       00000000
0x8181344c: 13_hssplla_eyem_intv_lim3       00000000    0x81813450:
14_hssplla_eyem_intv_lim4       00000000
0x818134f0: 3C_hssplla_macro_tst_ctl4       00000000    0x818134f4:
3D_hssplla_macro_tst_ctl3       00000000
0x818134f8: 3E_hssplla_macro_tst_ctl2       00000000    0x818134fc:
3F_hssplla_macro_tst_ctl1       00000000
0x81813500: 00_hssp1lb_vco_coarse_cal0      0000000a    0x81813504:
01_hssp1lb_vco_coarse_cal1      00000014
0x81813508: 02_hssp1lb_vco_coarse_cal2      00000000    0x8181350c:
03_hssp1lb_vco_coarse_cal3      00000000
0x81813510: 04_hssp1lb_vco_coarse_cal4      00000000    0x81813524:
09_hssp1lb_power_ctl            00000000
0x81813528: 0A_hssp1lb_charge_pump_ctl      00000004    0x81813538:
0E_hssp1lb_pll_misc_ctl         00000000
0x8181353c: 0F_hssp1lb_pclk_ctl             000000f8    0x81813540:
10_hssp1lb_eyem_intv_ctl        00000000
0x81813544: 11_hssp1lb_eyem_intv_lim1       00000000    0x81813548:
12_hssp1lb_eyem_intv_lim2       00000000
0x8181354c: 13_hssp1lb_eyem_intv_lim3       00000000    0x81813550:
14_hssp1lb_eyem_intv_lim4       00000000
0x818135f0: 3C_hssp1lb_macro_tst_ctl4       00000000    0x818135f4:
3D_hssp1lb_macro_tst_ctl3       00000000
```

```
0x818135f8: 3E_hsspllb_macro_tst_ctl2       00000000    0x818135fc:
3F_hsspllb_macro_tst_ctl1       00000000

HSS TX registers
================
0x81812400: 00_hsstx_cfg_mode_PHY           00009f48    0x81812404:
01_hsstx_test_ctl               00000000
0x81812408: 02_hsstx_coeff_ctl_INV          00000000    0x8181240c:
03_hsstx_drv_mode_ctl           00000000
0x81812410: 04_hsstx_drv_ovrd_ctl           00000010    0x81812414:
05_hsstx_dclk_align_ovrd        00000080
0x81812418: 06_hsstx_imp_cal_ovrd           00000c0c    0x8181241c:
07_hsstx_dclk_drift_tol         00000004
0x81812420: 08_hsstx_tap0_coeff_TUNE        00000000    0x81812424:
09_hsstx_tap1_coeff_TUNE        00000003
0x81812428: 0A_hsstx_tap2_coeff_TUNE        00000019    0x8181242c:
0B_hsstx_tap3_coeff_TUNE        00000003
0x81812434: 0D_hsstx_pol_INV                0000000a    0x81812438:
0E_hsstx_ae_cmd                 00000000
0x8181243c: 0F_hsstx_ae_stat                00000000    0x81812440:
10_hsstx_ae_tap0_TUNE           00000000
0x81812444: 11_hsstx_ae_tap1_TUNE           00000000    0x81812448:
12_hsstx_ae_tap2_TUNE           00000028
0x8181244c: 13_hsstx_ae_tap3_TUNE           00000000    0x81812454:
15_hsstx_app_tune               0000120e
0x81812458: 16_hsstx_analog_diag            00000000    0x81812460:
18_hsstx_4x_seg_app             0000aa00
0x81812464: 19_hsstx_2x_seg_app             000000aa    0x81812468:
1A_hsstx_1x_seg_app             0000f5e4
0x8181246c: 1B_hsstx_seg_4x_term_app        0000000f    0x81812470:
1C_hsstx_seg_2x1x_term_app      00000001
0x81812474: 1D_hsstx_tap_sign_app           0000000a    0x81812478:
1E_hsstx_ext_addr_data          00000001
0x8181247c: 1F_hsstx_ext_addr_addr          00000000    0x81812480:
20_hsstx_pat_buf_bytes_1_0      00000000
0x81812484: 21_hsstx_pat_buf_bytes_3_2      00000000    0x81812488:
22_hsstx_pat_buf_bytes_5_4      00000000
0x8181248c: 23_hsstx_pat_buf_bytes_7_6      00000000    0x8181249c:
27_hsstx_8023az_ctl             00000000
0x818124a0: 28_hsstx_dcc_ctl                000060c0    0x818124a4:
29_hsstx_dcc_ovrd               00000000
0x818124a8: 2A_hsstx_dcc_app                00000101    0x818124ac:
2B_hsstx_dcc_timeout            0000ffff
0x818124c0: 30_hsstx_tap_sign_ovrd          00000000    0x818124c8:
32_hsstx_seg_4x_ovrd            00000000
0x818124cc: 33_hsstx_seg_2x_ovrd            00000000    0x818124d0:
34_hsstx_seg_1x_ovrd            00000000
0x818124d8: 36_hsstx_tap_seg_4x_term_ovrd   00000000    0x818124dc:
37_hsstx_tap_seg_2x_term_ovrd   00000000
0x818124e0: 38_hsstx_tap_seg_1x_term_ovrd   00000000    0x818124ec:
3B_hsstx_mac_test_ctl5          00000000
0x818124f0: 3C_hsstx_mac_test_ctl4          00000000    0x818124f4:
3D_hsstx_mac_test_ctl3          00000000
0x818124f8: 3E_hsstx_mac_test_ctl2          00000000    0x818124fc:
```

```
3F_hsstx_mac_test_ctl          000000c6

HSS RX registers
================
0x81812600: 00_hssrx_cfg_mode_PHY           00009e78    0x81812604:
01_hssrx_test_ctl               00000000
0x81812608: 02_hssrx_phs_rot_ctl            0000cb80    0x8181260c:
03_hssrx_phs_rot_ofs_ctl        00005610
0x81812610: 04_hssrx_phs_rot_posn1          00001513    0x81812614:
05_hssrx_phs_rot_posn2          0000003f
0x81812618: 06_hssrx_phs_rot_sta_ofs1       00000001    0x8181261c:
07_hssrx_phs_rot_sta_ofs2       0000001f
0x81812620: 08_hssrx_dfe_ctl_PHY            00002002    0x81812624:
09_hssrx_dfe_smpl_snap1         00000000
0x81812628: 0A_hssrx_dfe_smpl_snap2         00008000    0x8181262c:
0B_hssrx_vga_ctl1               00004001
0x81812630: 0C_hssrx_vga_ctl2               00007aa0    0x81812634:
0D_hssrx_vga_ctl3               000009e4
0x81812638: 0E_hssrx_pwr_mgmnt_ctl          0000001f    0x8181263c:
0F_hssrx_iqamp_ctl1             00000018
0x81812640: 10_hssrx_iqamp_ctl2             00000004    0x81812644:
11_hssrx_dacap_dacan_sel        00000003
0x81812648: 12_hssrx_dacap_dacan            0000ffff    0x8181264c:
13_hssrx_daca_min               00000000
0x81812650: 14_hssrx_adac_ctl               00000000    0x81812654:
15_hssrx_ac_cp_ctl              000031c3
0x81812658: 16_hssrx_ac_cp_val              0000004c    0x8181265c:
17_hssrx_dfe_h1h2h3_lcl_off_ch  00000014
0x81812660: 18_hssrx_dfe_h1h2h3_lcl_off_val 00000000    0x81812664:
19_hssrx_peaked_intg            000000ff
0x81812668: 1A_hssrx_cdr_analog_sw          0000ce00    0x8181266c:
1B_hssrx_peaking_amp_init_c_PHY 00000000
0x81812670: 1C_hssrx_dac_dpc                00000040    0x81812674:
1D_hssrx_ddc                    00000000
0x81812678: 1E_hssrx_int_stat_PHY           00000c0f    0x8181267c:
1F_hssrx_dfe_func_ctl1_PHY      0000ffff
0x81812680: 20_hssrx_dfe_func_ctl2_INV      00007eff    0x81812684:
21_hssrx_ofs_ch_dcc_qcc_idx     00002000
0x81812688: 22_hssrx_dfe_ofs_val            00000301    0x8181268c:
23_hssrx_h_coeff_bist           0000040f
0x81812690: 24_hssrx_ac_cap_bist            000000b3    0x81812694:
25_hssrx_max_gain_path_idx_res  00007800
0x81812698: 26_hssrx_loff_ctl               00000040    0x8181269c:
27_hssrx_sigdet_ctl             00004e80
0x818126a0: 28_hssrx_ana_ctl_sw             00000000    0x818126a4:
29_hssrx_intg_dac_ofs           0000dde6
0x818126a8: 2A_hssrx_eye_ctl                00000000    0x818126ac:
2B_hssrx_eye_met                00000004
0x818126b0: 2C_hssrx_eye_met_err_cnt        00000000    0x818126b4:
2D_hssrx_eye_met_pdf_eyec       00000000
0x818126b8: 2E_hssrx_eye_met_pat_len        0000007f    0x818126bc:
2F_hssrx_dfe_func_ctl3          0000dfff
0x818126c0: 30_hssrx_dfe_tap_ctl_idx_ptr    00000008    0x818126c4:
31_hssrx_dfe_tap                00003030
```

```
0x818126c8: 32_hssrx_lte_ctl_TUNE           00000600    0x818126e4:
39_hssrx_int_stat2              0000c1ff
0x818126e8: 3A_hssrx_ac_cpl_cur_src_adj     00000041    0x818126ec:
3B_hssrx_dcd_ctl                00007c4a
0x818126f0: 3C_hssrx_dcc_ctl                00000d81    0x818126f4:
3D_hssrx_qcc_ctl                00006985
0x818126f8: 3E_hssrx_mac_test_ctl2          00000000    0x818126fc:
3F_hssrx_mac_test_ctl1          00000000
0x81812648: 12_hssrx_dacap_dacan[02]                00ff ffff
0x81812660: 18_hssrx_dfe_h1h2h3_lcl_off_va[00]      0000 0000   0000
0000   0000 0000   0000 0000
0x81812660: 18_hssrx_dfe_h1h2h3_lcl_off_va[08]      0000 0000   0000
0000   0000 0000   0000 0000
0x81812660: 18_hssrx_dfe_h1h2h3_lcl_off_va[16]      0000 0000   0000
0000   0000
0x81812688: 22_hssrx_dfe_ofs_val[00][00]            0301 0000   7f07
007f   7f7f 0000
0x81812688: 22_hssrx_dfe_ofs_val[03][00]            7e7d 0000   0701
0000   7b7d 0000
0x81812688: 22_hssrx_dfe_ofs_val[06][00]            010a 007f   017f
0000   7f05 0000
0x81812688: 22_hssrx_dfe_ofs_val[09][00]            7d79 0000   7901
0000   7b7a 0000
0x81812688: 22_hssrx_dfe_ofs_val[12][00]            7b7d 0000   7d00
0000   7d00 0000
0x81812688: 22_hssrx_dfe_ofs_val[15][00]            7e01 0000   0206
0000   037f 0000
0x81812688: 22_hssrx_dfe_ofs_val[18][00]            0309 0000   7d7f
0000   0001 007f
0x81812688: 22_hssrx_dfe_ofs_val[21][00]            0001 007f   0001
007f   0001 007f
0x81812688: 22_hssrx_dfe_ofs_val[24][00]            787e 0000   007a
0000   7b7f 0000
0x81812694: 25_hssrx_max_gain_path_idx_res[00]      0058 084e   1105
1890   20ef 28af   3097 3800
0x81812694: 25_hssrx_max_gain_path_idx_res[08]      40df 489f   5086
5802   6044 6800   70fe 7800
0x818126c4: 31_hssrx_dfe_tap[00]                    fffe 8181   0000
0000   0030 0030   3030 3030
0x818126c4: 31_hssrx_dfe_tap[08]                    3030 3030   3030
0000
0x818126e8: 3A_hssrx_ac_cpl_cur_src_adj[00]         0041 0041   0041
0041
0x818126ec: 3B_hssrx_dcd_ctl[00]                    7c4a 5c00   7c86
5c00   7c00
0x818126f0: 3C_hssrx_dcc_ctl[00]                    0d81 0d83   0d81
0d42
0x818126f4: 3D_hssrx_qcc_ctl[00]                    6948 6985

xfipcs, fec, aec, & aet registers
=================================
0x81cb0400: xfipcs_reg              [00] 00002040 00000080 00000000
00000000    00000001 00000008 00000000 00000000
0x81cb0420: xfipcs_reg              [08] 00008401 00000000 00000000
```

```
00000000    00000000 00000000 00000000 00000000
0x81cb0440: xfipcs_reg              [16] 00000000 00000000 00000000
00000000    00000040 00000000 00000000 00000000
0x81cb0460: xfipcs_reg              [24] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81cb0480: xfipcs_reg              [32] 00000004 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81cb0620: fec_32g_128g_reg        [08] 00000000 00008003 00000000
00000000    00000000 00000000 00000000
0x81cb0648: fec_32g_128g_reg        [18] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81cb0a00: aec_reg                 [00] 00000000 00000000 00000000
00000000    00000040 00000000 00000000 00002490
0x81cb0c00: aet_reg                 [00] 000000b0 00007000 000008c4
00000000    00000000

bbc registers
=============
0x81cb1800: bbc_trc                 0    0    0    0    0    0    0
0
0x81cb1840: bbc_trc                 0    0    0    0    0    0    0
0
0x81cb1880: bbc_trc                 0    0    0    0    0    0    0
0
0x81cb18c0: bbc_trc                 0    0    0    0    0    0    0
0
0x81cb1900: bbc_trc                 0    0    0    0    0    0    0
0
0x81cb1804: bbc_mbc                 0    0    0    0    0    0    0
0
0x81cb1844: bbc_mbc                 0    0    0    0    0    0    0
0
0x81cb1884: bbc_mbc                 0    0    0    0    0    0    0
0
0x81cb18c4: bbc_mbc                 0    0    0    0    0    0    0
0
0x81cb1904: bbc_mbc                 0    0    0    0    0    0    0
0
0x81cb1a00: bbc_rcc                 0    0    0    0    0    0    0
0
0x81cb1a20: bbc_rcc                 0    0    0    0    0    0    0
0
0x81cb1a40: bbc_rcc                 0    0    0    0    0    0    0
0
0x81cb1a60: bbc_rcc                 0    0    0    0    0    0    0
0
0x81cb1a80: bbc_rcc                 0    0    0    0    0    0    0
0
0x81cb1c00: bbc_rqc                 0    0    0    0    0    0    0
0
0x81cb1c20: bbc_rqc                 0    0    0    0    0    0    0
0
0x81cb1c40: bbc_rqc                 0    0    0    0    0    0    0
0
```

```
0x81cb1c60: bbc_rqc                 0    0    0    0    0    0    0
0
0x81cb1c80: bbc_rqc                 0    0    0    0    0    0    0
0
0x81cb1d00: bbc_fbpc                00000000    0x81cb1d04: bbc_csc
00000000
0x81cb1d08: bbc_rcc_inc             00000000    0x81cb1d0c:
bbc_rqc_inc             00000000
0x81cb1d10: bbc_fbpc_inc            00000000    0x81cb1d14:
bbc_tmc_inc             00000000
0x81cb1d18: bbc_threshold           00080100    0x81cb1d1c:
bbc_counter_clr         00000000
0x81cb1d20: bbc_debug_en            00000000    0x81cb1d24: bbc_ctrl
00200120
0x81cb1d28: bbc_rqc_rcc_thresh      00000055    0x81cb1d34:
bbc_bb_sc_n             00000000
0x81cb1d38: bbc_crd_reco_debug      00000000    0x81cb1d3c:
bbc_crd_reco_debug_data 00000000
0x81cb1d40: bbc_multi_frm_loss_cnt  00000000    0x81cb1d44:
bbc_multi_rdy_loss_cnt  00000000
0x81cb1d48: bbc_1frm_loss_recov_cnt 00000000    0x81cb1d4c:
bbc_1rdy_loss_recov_cnt 00000000
0x81cb1d58: bbc_int_status          00000000    0x81cb1d5c:
bbc_int_set             00000000
0x81cb1d60: bbc_int_first           00000000    0x81cb1d64:
bbc_frm_rdy_rx_err_addr 00000000
0x81cb1d68: bbc_frm_rdy_tx_err_addr 00000000    0x81cb1d6c:
bbc_trc_mbc_err_addr    00000000
0x81cb1d70: bbc_frm_rdy_rx_dbl_ecc  00000000    0x81cb1d74:
bbc_frm_rdy_tx_dbl_ecc  00000000
0x81cb1d78: bbc_trc_mbc_dbl_ecc     00000000
0x81cb1d7c: bbc_fsm_status          00001011    0x81cb1d80:
bbc_force_err           00000000
0x81cb1d84: bbc_crdt_avail0         00000000    0x81cb1d88:
bbc_crdt_avail1         00000000
0x81cb1d8c: bbc_scratch             00000000

FPS registers
=============
0x81cb0004: fps_er_enc_in           00000000    0x81cb0008:
fps_er_crc              00000000
0x81cb000c: fps_er_trunc            00000000    0x81cb0010:
fps_er_toolong          00000000
0x81cb0014: fps_er_bad_eof          00000000    0x81cb0018:
fps_er_enc_out          00000000
0x81cb001c: fps_er_bad_os           00000000    0x81cb0020:
fps_er_flush            00000000
0x81cb0024: fps_er_ifg              00000000    0x81cb0038:
fps_er_crc_good_eof     00000000
0x81cb003c: fps_inv_arb             00000000    0x81cb0040:
fps_slow_sts_status     00000000
0x81cb0044: fps_tx_frm_cnt          00000000    0x81cb0048:
fps_rx_frm_cnt          00000000
0x81cb0050: fps_tx_word_cnt_hi      00000000    0x81cb004c:
```

```
fps_tx_word_cnt_lo      00000000
0x81cb0058: fps_rx_word_cnt_hi      00000000    0x81cb0054:
fps_rx_word_cnt_lo      00000000

BAL registers
=============
0x81cb7000: bal_desired_buf         00000000    0x81cb7004:
bal_alloc_buf           00000000
0x81cb7008: bal_busy_buf            00000000    0x81cb700c:
bal_usable_buf          00000000
0x81cb7010: bal_max_bor_buf         00000000
0x81cb7014: bal_busy_buf_thresh     00000002

TXQ registers
=============
0x81cb3004: txq_phys_port_ctl       00460000
0x81cb3050: txq_link_skew           00000000
0x81cb3068: txq_cr_lk_dttn_intr_sts [00] 00000000 00000000
0x81cb3070: txq_cr_lk_dttn_intr_en  [00] 00000000 00000000
0x81cb3024: txq_disc_frm_trap_cnt   00000014

FDS registers
=============
0x81cb4000: fds_rxf_ctl             00000002    0x81cb4004:
fds_rxf_wait_thresh     00000909
0x81cb4018: fds_rxf_first_error     00000000    0x81cb401c:
fds_rxf_first_error_info00000000
0x81cb4020: fds_rxf_inout_pkt_cnt   00000000
0x81cb4008: fds_rxf_err_int_status  00000000    0x81cb4024:
fds_rxf_fifo_status     00888888
0x81cb5000: fds_txf_ctl             0000003a    0x81cb5004:
fds_txf_wait_ifg_thresh 00a00106
0x81cb5008: fds_txf_err_int_status  00000000    0x81cb5024:
fds_txf_fifo_status     00088888
0x81cb502c: fds_txf_bbc_scs         00000000

Logical TXQ registers
=====================
0x81cb3000: txq_log_port_ctl        00000002    0x81cb3008:
txq_port_status         00000000
0x81cb300c: txq_todo_flags          [00] 00000000 00000000
0x81cb3014: txq_spd_match_desc      [00] 00000000 00000000 00000000
00000000
0x81cb3024: txq_spd_match_desc      [04] 00000014
0x81cb3028: txq_vc_weight           [00] 01010101 01010101 01010101
01010101
0x81cb3038: txq_vc_weight           [04] 01010101 01010101 01010101
01010101
0x81cb3048: txq_vc_weight           [08] 01010101 00010101
0x81cb3054: txq_cong_dttn_ctrl      00000106
0x81cb3058: txq_cong_dttn_intr_sts  [00] 00000000 00000000
0x81cb3060: txq_cong_dttn_intr_en   [00] 00000000 00000000
0x81cb3078: txq_bw_limit_en_reg     [00] 00000000 00000000
0x81cb3080: txq_bw_gua_en_reg       [00] 00000000 00000000
```

```
0x81cb3088: txq_vc_group            [00] 03030300 03030303 03030303
03030303
0x81cb3098: txq_vc_group            [04] 03030303 03030303 03030303
03030303
0x81cb30a8: txq_vc_group            [08] 03030303 03030303 00000000
00000000
0x81cb30b0: txq_bw_thresh_group     [00] 00000000 00000000 00000000
00000000
0x81cb30c0: txq_bw_thresh_group     [04] 00000000 00000000 00000000
00000000
0x81cb30d0: txq_bw_thresh_group     [08] 00000000 00000000 00000000
00000000
0x81cb30e0: txq_bw_thresh_group     [12] 00000000 00000000 00000000
00000000
0x81cb30f0: txq_bw_thresh_group     [16] 00000000 00000000 00000000
00000000
0x81cb3100: txq_bw_thresh_group     [20] 00000000 00000000 00000000
00000000
0x81cb3110: txq_bw_thresh_group     [24] 00000000 00000000 00000000
00000000
0x81cb3120: txq_bw_thresh_group     [28] 00000000 00000000 00000000
00000000
0x81cb3130: txq_bw_thresh_group     [32] 00000000 00000000 00000000
00000000
0x81cb3140: txq_bw_thresh_group     [36] 00000000 00000000 00000000
00000000

txq Congestion detection Statistics RAM
=======================================
0x81090dc0: vc[0]       00000000        0x81090dc4: vc[1]
00000000
0x81090dc8: vc[2]       00000000        0x81090dcc: vc[3]
00000000
0x81090dd0: vc[4]       00000000        0x81090dd4: vc[5]
00000000
0x81090dd8: vc[6]       00000000        0x81090ddc: vc[7]
00000000
0x81090de0: vc[8]       00000000        0x81090de4: vc[9]
00000000
0x81090de8: vc[10]      00000000        0x81090dec: vc[11]
00000000
0x81090df0: vc[12]      00000000        0x81090df4: vc[13]
00000000
0x81090df8: vc[14]      00000000        0x81090dfc: vc[15]
00000000
0x81090e00: vc[16]      00000000        0x81090e04: vc[17]
00000000
0x81090e08: vc[18]      00000000        0x81090e0c: vc[19]
00000000
0x81090e10: vc[20]      00000000        0x81090e14: vc[21]
00000000
0x81090e18: vc[22]      00000000        0x81090e1c: vc[23]
00000000
0x81090e20: vc[24]      00000000        0x81090e24: vc[25]
```

```
00000000
0x81090e28: vc[26]      00000000        0x81090e2c: vc[27]
00000000
0x81090e30: vc[28]      00000000        0x81090e34: vc[29]
00000000
0x81090e38: vc[30]      00000000        0x81090e3c: vc[31]
00000000
0x81090e40: vc[32]      00000000        0x81090e44: vc[33]
00000000
0x81090e48: vc[34]      00000000        0x81090e4c: vc[35]
00000000
0x81090e50: vc[36]      00000000        0x81090e54: vc[37]
00000000
0x81090e58: vc[38]      00000000        0x81090e5c: vc[39]
00000000


Logical STS registers
=====================
0x81585104: sts_ftb_type1_miss      00000000
0x81585108: sts_ftb_type2_miss      00000000
0x8158510c: sts_ftb_type6_miss      00000000
0x81585110: sts_hard_zoning_miss    00000000
0x81585114: sts_lun_zoning_miss     00000000
0x8158511c: sts_unroutable          00000000
0x81582134: sts_rte_cl2             00000000    0x81582138:
sts_rte_cl3             00000000        0x8158213c: sts_rte_link_ctl
00000000        0x81585128: sts_tx_timeout          00000000

Logical STS filter registers
====================
0x81585080: sts_flt_trig            [00] 00000000 00000000 00000000
00000000
0x81585090: sts_flt_trig            [04] 00000000 00000000 00000000
00000000
0x815850a0: sts_flt_trig            [08] 00000000 00000000 00000000
00000000
0x815850b0: sts_flt_trig            [12] 00000000 00000000 00000000
00000000
0x815850c0: sts_flt_trig            [16] 00000000 00000000 00000000
00000000
0x815850d0: sts_flt_trig            [20] 00000000 00000000 00000000
00000000
0x815850e0: sts_flt_trig            [24] 00000000 00000000 00000000
00000000
0x815850f0: sts_flt_trig            [28] 00000000 00000000 00000000
00000000
0x81585100: sts_flt_trig            [32]

Logical STS discard registers
=====================
0x81582ff8: disc_mcast_wka          00000000    0x81582ffc:
disc_inv_did            00000000
0x81583000: disc_cl1_cl4            00000000    0x81583004:
```

```
disc_sid_chk_fail       00000000
0x81583008: disc_inv_dom_egid_txpt  00000000    0x8158300c:
disc_vft_hop_cnt_1      00000000
0x81583010: disc_classf             00000000    0x81583014:
disc_fcp_cdb_inv        00000000
0x81583018: disc_vfid_trap_enabled  00000000    0x8158301c:
disc_vfid_hdr_chk_fail  00000000
0x81583020: disc_shim_cksum_fail    00000000    0x81583024:
disc_fed_edit_cmd_err   00000000
0x81583028: disc_ftb_vm_mode        00000000    0x8158302c:
disc_ftb_agn_t2_miss    00000000
0x81583030: disc_ecb_reserved       00000000    0x81583034:
disc_ecb_de_pad_err     00000000
0x81583038: disc_ecb_de_tag_err     00000000    0x8158303c:
disc_ecb_de_seq_err     00000000
0x81583040: disc_ecb_err            00000000    0x81583044:
disc_ftb_type4_match    00000000
0x81583048: disc_fcp_rsp_ftb_type4  00000000    0x8158304c:
disc_ftb_type5_match    00000000
0x81583050: disc_ftb_type3_match    00000000    0x81583054:
disc_els_ftb_type3      00000000
0x81583058: disc_ftb_type1_match    00000000    0x8158305c:
disc_els_rsp_ex_port    00000000
0x81583060: disc_inv_drp_dps        00000000    0x81583064:
disc_did_lookup_miss    00000000
0x81583068: disc_ftb_type2_match    00000000    0x8158306c:
disc_trpd_plogi_pdisc   00000000
0x81583070: disc_type2_lookup_miss  00000000    0x81583074:
disc_ftb_type6_match    00000000
0x81583078: disc_els_rep_ex_port    00000000    0x8158307c:
disc_els_sid_lkup_bit1  00000000
0x81583080: disc_els_sid_lkup_bit0  00000000    0x81583084:
disc_bls_frm_trap_bit1  00000000
0x81583088: disc_ftb_token_err      00000000    0x8158308c:
disc_asic_internal_err  00000000
0x81583090: disc_hard_zone_miss     00000000    0x81583094:
disc_lun_zone_miss      00000000
0x81583098: disc_flt_frame_disc     00000000    0x8158309c:
disc_flt_parity_err     00000000
0x815830a0: disc_frame_marked_du    00000000    0x815830a4:
disc_frame_marked_to    00000000
0x815830a8: disc_lkup_rte_prty_err  00000000


portstatsshow 40
stat_wtx                0                   4-byte words transmitted
stat_wrx                0                   4-byte words received
stat_ftx                0                   Frames transmitted
stat_frx                0                   Frames received
stat_c2_frx             0                   Class 2 frames received
stat_c3_frx             0                   Class 3 frames received
stat_lc_rx              0                   Link control frames
received
stat_mc_rx              0                   Multicast frames
```

```
received
stat_mc_to              0                   Multicast timeouts
stat_mc_tx              0                   Multicast frames
transmitted
tim_txcrd_z             0                   Time TX Credit Zero
(2.5Us ticks)
tim_txcrd_z_vc  0- 3:  0           0           0           0
tim_txcrd_z_vc  4- 7:  0           0           0           0
tim_txcrd_z_vc  8-11:  0           0           0           0
tim_txcrd_z_vc 12-15:  0           0           0           0
lat_tot_pkt_vc  0- 3:  1           1           1           1
lat_tot_pkt_vc  4- 7:  1           1           1           1
lat_tot_pkt_vc  8-11:  1           1           1           1
lat_tot_pkt_vc 12-15:  1           1           1           1
lat_hi_time_vc  0- 3:  0           0           0           0
lat_hi_time_vc  4- 7:  0           0           0           0
lat_hi_time_vc  8-11:  0           0           0           0
lat_hi_time_vc 12-15:  0           0           0           0
lat_lo_time_vc  0- 3:  1           1           1           1
lat_lo_time_vc  4- 7:  1           1           1           1
lat_lo_time_vc  8-11:  1           1           1           1
lat_lo_time_vc 12-15:  1           1           1           1
max_latency_vc  0- 3:  1           1           1           1
max_latency_vc  4- 7:  1           1           1           1
max_latency_vc  8-11:  1           1           1           1
max_latency_vc 12-15:  1           1           1           1
latency_dma_ts          09-09-2024 UTC Mon 08:47:24             TXQ
Latency DMA TimeStamp
fec_cor_detected        0                   Count of blocks that
were corrected by FEC
fec_uncor_detected      0                   Count of blocks that
were left uncorrected by FEC
er_enc_in               0                   Encoding errors inside
of frames
er_crc                  0                   Frames with CRC errors
er_trunc                0                   Frames shorter than
minimum
er_toolong              0                   Frames longer than
maximum
er_bad_eof              0                   Frames with bad end-of-
frame
er_enc_out              0                   Encoding error outside
of frames
er_bad_os               0                   Invalid ordered set
er_pcs_blk              0                   PCS block errors
er_rx_c3_timeout        0                   Class 3 receive frames
discarded due to timeout
er_tx_c3_timeout        0                   Class 3 transmit frames
discarded due to timeout
er_unroutable           0                   Frames that are
unroutable
er_unreachable          0                   Frame with unreachable
destination
er_other_discard        0                   Other discards
```

```
er_type1_miss           0                   frames with FTB type 1
miss
er_type2_miss           0                   frames with FTB type 2
miss
er_type6_miss           0                   frames with FTB type 6
miss
er_zone_miss            0                   frames with hard zoning
miss
er_lun_zone_miss        0                   frames with LUN zoning
miss
er_crc_good_eof         0                   Crc error with good eof
er_inv_arb              0                   Invalid ARB
er_single_credit_loss   0                   Single vcrdy/frame loss
on link
er_multi_credit_loss    0                   Multiple vcrdy/frame
loss on link
other_credit_loss       0                   Link timeout/complete
credit loss
phy_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
phy_port stats clear
lgc_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
lgc_port stats clear
fec_corrected_rate      0                   FEC Corrected blocks per
second

portstats64show 40
stat64_wtx      0           top_int : 4-byte words transmitted
                0           bottom_int : 4-byte words transmitted
stat64_wrx      0           top_int : 4-byte words received
                0           bottom_int : 4-byte words received
stat64_ftx      0           top_int : Frames transmitted
                0           bottom_int : Frames transmitted
stat64_frx      0           top_int : Frames received
                0           bottom_int : Frames received
stat64_c2_frx   0           top_int : Class 2 frames received
                0           bottom_int : Class 2 frames received
stat64_c3_frx   0           top_int : Class 3 frames received
                0           bottom_int : Class 3 frames received
stat64_lc_rx    0           top_int : Link control frames received
                0           bottom_int : Link control frames
received
stat64_mc_rx    0           top_int : Multicast frames received
                0           bottom_int : Multicast frames received
stat64_mc_to    0           top_int : Multicast timeouts
                0           bottom_int : Multicast timeouts
stat64_mc_tx    0           top_int : Multicast frames transmitted
                0           bottom_int : Multicast frames
transmitted
tim64_rdy_pri   0           top_int : Time R_RDY high priority
                0           bottom_int : Time R_RDY high priority
tim64_txcrd_z   0           top_int : Time BB_credit zero
                0           bottom_int : Time BB_credit zero
er64_enc_in     0           top_int : Encoding errors inside of
frames
```

```
                0           bottom_int : Encoding errors inside of
frames
er64_crc        0           top_int : Frames with CRC errors
                0           bottom_int : Frames with CRC errors
er64_trunc      0           top_int : Frames shorter than minimum
                0           bottom_int : Frames shorter than minimum
er64_toolong    0           top_int : Frames longer than maximum
                0           bottom_int : Frames longer than maximum
er64_bad_eof    0           top_int : Frames with bad end-of-frame
                0           bottom_int : Frames with bad end-of-
frame
er64_enc_out    0           top_int : Encoding error outside of
frames
                0           bottom_int : Encoding error outside of
frames
er64_disc_c3    0           top_int : Class 3 frames discarded
                0           bottom_int : Class 3 frames discarded
er64_pcs_blk    0           top_int : PCS block errors
                0           bottom_int : PCS block errors
stat64_rateTxFrame      0           Tx frame rate (fr/sec)
stat64_rateRxFrame      0           Rx frame rate (fr/sec)
stat64_rateTxPeakFrame  0           Tx peak frame rate (fr/sec)
stat64_rateRxPeakFrame  0           Rx peak frame rate (fr/sec)
stat64_rateTxWord       0           Tx Word rate (words/sec)
stat64_rateRxWord       0           Rx Word rate (words/sec)
stat64_rateTxPeakWord   0           Tx peak Word rate (words/sec)
stat64_rateRxPeakWord   0           Rx peak Word rate (words/sec)
stat64_PRJTFrames       0           top_int : Number of PRJT frames
returned to this port
                        0           bottom_int : Number of PRJT
frames returned to this port
stat64_PBSYFrames       0           top_int : Number of PBSY frames
returned to this port
                        0           bottom_int : Number of PBSY
frames returned to this port
stat64_inputBuffersFull 0           top_int : Number of occurrences
when all input buffers full
                        0           bottom_int : Number of
occurrences when all input buffers full
stat64_rxClass1Frames   0           top_int : Number of class 1
frames received
                        0           bottom_int : Number of class 1
frames received
stat64_aveTxFrameSize   0           Average Tx Frame size
stat64_aveRxFrameSize   0           Average Rx Frame size
Lr_in           0           top_int
                0           bottom_int
Ols_in          0           top_int
                0           bottom_int
Lr_out          0           top_int
                0           bottom_int
Ols_out         0           top_int
                0           bottom_int
Link_failure    0           top_int
```

```
                0           bottom_int
Invalid_CRC     0           top_int
                0           bottom_int
Invalid_word    0           top_int
                0           bottom_int
Protocol_err    0           top_int
                0           bottom_int
Loss_of_sig     0           top_int
                0           bottom_int
Loss_of_sync    0           top_int
                0           bottom_int
er_bad_os       0           top_int : Invalid ordered set
                0           bottom_int: Invalid ordered set


portrouteshow 40
port address ID: 0x012800
external unicast routing table:
   0: Embedded
 255: Embedded
internal unicast routing table:
   0: Embedded

portcamshow 40
-------------------------------------------------
Port  SID used  DID used  SID entries  DID entries
40     0         0         000000       000000
-------------------------------------------------

ptbufshow, ptcreditshow, ptdatashow, ptstatsshow 40
S:
S:VF Enable:            1
S:
S:C4 Global Variable:
S:-------------------------------------------------------------------
---------
S:trace_stop:           0
S:
S:C4 Phy Data Pointers: c4_phyp = 0xb6ae2080
S:-------------------------------------------------------------------
---------
S:tnodep                        0xbb8447e0      pt
        0x43028016
S:proto_phyp            0xb880a480      phy_cfg
0xb6ae30c0
S:c4_chp                        0x97e28000      c4_lgcp
0x97fa0000
S:c4_phy_regp           0x81cb0000      proc_dir
0xb851b820
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4345678      num_port_timer          12
S:prev_if_id            0x43020016      S:ftx                   0
        tov                     0
```

```
S:initialized           1               port_idx                22
S:ui_idx                        40              slot_no
        0
S:blade_idx             22              sw_usr_ports            400
S:unused                        0               intr_debounced
        0
S:aec_status            0x0             reason_code
        0
S:debug                 0x00000004      debug_trc_line          0
S:rxbuf_list_head       0xffffffff      rxbuf_list_tail
0xffffffff
S:isAePort                      0               port_misc_data
                0
S:num_fault1_rx_disc    0               num_fault2_rx_disc      0
S:p_lli_cause0          0               p_sig_regained          0
S:p_sync_regained               0               enc_out
        0x0
S:cached_fps_status     0               cached_sts_status       0
S:cached_er_crc_good_eof        0
S:cached_er_bad_os      0               cached_er_too_long      0
S:cached_er_trunc       0
cached_tot_er_crc_good_eof      0
S:num_pt_excess_intr    0               num_no_fid              0
S:num_fault1_cnt                0               num_fault2_cnt
        0
S:num_fault_lip         0               num_fault_lli           0
S:num_fault_rx_fifo     0               num_fault_hss           0
S:num_fault_bwait               0               lli_intr_prim
        0
S:num_sw_link_to                0
be_link_err_mon_count           0
S:ecb_enc_enabled               0               ecb_comp_enabled
                0
S:ecb_rsv_enc           0               ecb_rsv_comp            0
S:ecb_enc_bm            0x0             ecb_key_index
0xffffffff
S:fab_idx               0
S:num_be_lto            0               lto_count_reset_intvl
        0
S:lr_count_reset_intvl          0               num_be_lr
        0
S:num_fault_qsfp                0               check_lto
        0
S:credit_loaded         0               num_credit_overrun
        0
S:fec_enabled           0x0             fec_los_to_flag         0x0
S:phy_stats_clear_ts            1725611419      pcs_err_online
        0
S:pcs_err_light_det             0               pcs_err_ignore
        0
S:pcs_blk_err           0               pcs_hiber               0
S:phy_port_status               0               ecb_enc_lr_count
                0
S:dport_mode            0               avoid_lto_det           0
```

```
S:sn_debounced          0x0             sn_started_kr_reqd      0
S:major_timer_started   0x0             ready_bm                0x0
S:parln_1_bm            0x0             parln_0_bm              0x0
S:be_los_of_sync_event_intvl            0
be_los_of_sync_event            0
S:errataPtenable_cntr           0               errataPoll_cntr
        0
S:jda_rx_sig_loss_det           0               jda_rx_sig_loss_cnt
                0
S:encrypt_blk_error             0
S:
S:      c4_trunk
S:=====================================
S:mark_ts               0x0             deskew                  0x0
S:master_phyp           0x0
S:
S:adelay[00]: 0x00000000 0x00000000 0x00000000 0x00000000
S:adelay[04]: 0x00000000 0x00000000 0x00000000 0x00000000
S:
S:      c4_buf
S:=====================================
S:tx_csc                        0               rx_csc
        0
S:ld_vc_credits         0               tx_flag                 0x0
S:alloc_buffers         0               req_buffers             0
S:est_buffers           20              ld_use_est              0
S:bb_sc_n                       0               rx_bb_sc_n
        0
S:data_cr                       5               nondata_cr
        6
S:cr_enable             0
S:ld_nondata_cr         6               tnodep
0xbb8448c0
S:tx_credits[0] 0    0    0    0    0    0    0    0
S:tx_credits[8] 0    0    0    0    0    0    0    0
S:tx_credits[16]        0    0    0    0    0    0    0    0
S:tx_credits[24]        0    0    0    0    0    0    0    0
S:tx_credits[32]        0    0    0    0    0    0    0    0
S:rx_credits[0] 0    0    0    0    0    0    0    0
S:rx_credits[8] 0    0    0    0    0    0    0    0
S:rx_credits[16]        0    0    0    0    0    0    0    0
S:rx_credits[24]        0    0    0    0    0    0    0    0
S:rx_credits[32]        0    0    0    0    0    0    0    0
S:tx_mbc[0]     0    0    0    0    0    0    0    0
S:tx_mbc[8]     0    0    0    0    0    0    0    0
S:tx_mbc[16]    0    0    0    0    0    0    0    0
S:tx_mbc[24]    0    0    0    0    0    0    0    0
S:tx_mbc[32]    0    0    0    0    0    0    0    0
S:rx_mbc[0]     0    0    0    0    0    0    0    0
S:rx_mbc[8]     0    0    0    0    0    0    0    0
S:rx_mbc[16]    0    0    0    0    0    0    0    0
S:rx_mbc[24]    0    0    0    0    0    0    0    0
S:rx_mbc[32]    0    0    0    0    0    0    0    0
S:
```

```
S:C4 Chip Variables: c4_phyp->c4_chp = 0x97e28000
S:-------------------------------------------------------------------
---------
S:version = 2.1
S:magic_id              0xc4234567      init_state              0x8
S:reset_reg_mem         0x1
S:ch_int0_en_bm         0x0             intr0_cause             0x0
S:ch_int1_en_bm         0x0             intr1_cause             0x0
S:ch_int2_en_bm         0x0             intr2_cause             0x0
S:ch                    0x43010080      ch_cfg
0xb7013ba0
S:raslog_hndl.hndl      0x0             obj_halted              0x0
S:c4_chip_regp          0x80000000      c4_fpg_regp
0x81800000
S:num_chip_timer        0x5
S:hi_task_bm            0x0             lo_task_bm              0x0
S:c4_deferq.q_head      0x0             c4_deferq.q_tail        0x0
S:c4_tmrq.q_head        0x0             c4_tmrq.q_tail          0x0
slot_no                 0
S:chip_inst             0               chip_idx                0
S:pll_initialized               1
pll_serdes_initialized  1
S:init_tries            0               init_ptEnableBM
0xba01b488
S:tick_polling          0xb980c9c0      sec_polling
0xb980c960
S:bb_fid                        129
S:ecb_key_bm[0]         0x0             ecb_key_bm[1]           0x0
S:ecb_key_bm[2]         0x0             ecb_key_bm[3]           0x0
S:is_chip_enc_enabled                   0
is_chip_comp_enabled    0x0
S:ftb_rsrcp->ftb_flags  0x0             act_rsrcp->act_flag     0x1
S:lue_rsrcp->lue_flags[0]       0x0             lue_rsrcp-
>lue_flags[1]   0x0
S:c4_phyp[00]: 0xb6ab0000 0xb6ab2080 0xb6ab4100 0xb6ab6180
S:c4_phyp[04]: 0xb6ab9040 0xb6abb0c0 0xb6abd140 0xb6ac0000
S:c4_phyp[08]: 0xb6ac2080 0xb6ac4100 0xb6ac6180 0xb6ac9040
S:c4_phyp[12]: 0xb6acb0c0 0xb6acd140 0xb6ad0000 0xb6ad2080
S:c4_phyp[16]: 0xb6ad4100 0xb6ad6180 0xb6ad9040 0xb6adb0c0
S:c4_phyp[20]: 0xb6add140 0xb6ae0000 0xb6ae2080 0xb6ae4100
S:c4_phyp[24]: 0xb6ae6180 0xb6ae9040 0xb6aeb0c0 0xb6aed140
S:c4_phyp[28]: 0xb6af0000 0xb6af2080 0xb6af4100 0xb6af6180
S:c4_phyp[32]: 0xb6af9040 0xb6afb0c0 0xb6afd140 0xb6b00000
S:c4_phyp[36]: 0xb6b02080 0xb6b04100 0xb6b06180 0xb6b09040
S:c4_phyp[40]: 0xb6b0b0c0 0xb6b0d140 0xb6b10000 0xb6b12080
S:c4_phyp[44]: 0xb6b14100 0xb6b16180 0xb6b19040 0xb6b1b0c0
S:c4_phyp[48]: 0xb6b1d140 0xb6b20000 0xb6b22080 0xb6b24100
S:c4_phyp[52]: 0xb6b26180 0xb6b29040 0xb6b2b0c0 0xb6b2d140
S:c4_phyp[56]: 0xb6b30000 0xb6b32080 0xb6b34100 0xb6b36180
S:c4_phyp[60]: 0xb6b39040 0xb6b3b0c0 0xb6b3d140 0xb6b40000
S:c4_lgcp[00]: 0x97f48000 0x97f4c000 0x97f50000 0x97f54000
S:c4_lgcp[04]: 0x97f58000 0x97f5c000 0x97f60000 0x97f64000
S:c4_lgcp[08]: 0x97f68000 0x97f6c000 0x97f70000 0x97f74000
S:c4_lgcp[12]: 0x97f78000 0x97f7c000 0x97f80000 0x97f84000
```

```
S:c4_lgcp[16]: 0x97f88000 0x97f8c000 0x97f90000 0x97f94000
S:c4_lgcp[20]: 0x97f98000 0x97f9c000 0x97fa0000 0x97fa4000
S:c4_lgcp[24]: 0x97fa8000 0x97fac000 0x97fb0000 0x97fb4000
S:c4_lgcp[28]: 0x97fb8000 0x97fbc000 0x97fc0000 0x97fc4000
S:c4_lgcp[32]: 0x97fc8000 0x97fcc000 0x97fd0000 0x97fd4000
S:c4_lgcp[36]: 0x97fd8000 0x97fdc000 0x97fe0000 0x97fe4000
S:c4_lgcp[40]: 0x97fe8000 0x97fec000 0x97ff0000 0x97ff4000
S:c4_lgcp[44]: 0x97ff8000 0x97ffc000 0x8e000000 0x8e004000
S:c4_lgcp[48]: 0x8e008000 0x8e00c000 0x8e010000 0x8e014000
S:c4_lgcp[52]: 0x8e018000 0x8e01c000 0x8e020000 0x8e024000
S:c4_lgcp[56]: 0x8e028000 0x8e02c000 0x8e030000 0x8e034000
S:c4_lgcp[60]: 0x8e038000 0x8e03c000 0x8e040000 0x8e044000
S:chip_timers[00]: 0xb980c720 0xb980c780 0xb980c7e0 0xb980c840
S:chip_timers[04]: 0xb980c8a0 0xb980c900
S:disc_trap_enable_required     0x0             rxlp_disc_log_stop
        0x0
S:curr_rxlp_frm_cnt     0x0             curr_rxlp_disc_frm_cnt  0x0
S:sw_disc_frm_cnt       0x0             last_disc_frm_cnt       0x0
S:txq_nopop_pr_cnt      0x0             pollErrataDfe_ptBM
0xba01b4b0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][0]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][1]  0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][2]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][0] 0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][1]       0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][2] 0x0
S:
S:C4 Logical Port Variables
S:-------------------------------------------------------------------
---------
S:c4_lgc_regp           0x81cb0000
S:c4_phyp:
S:      0xb6ae2080      0x0             0x0             0x0

S:      0x0             0x0             0x0             0x0

S:master_phyp           0xb6ae2080      if_id
0x43020016
S:min_phyp              0x0             max_phyp                0x0
S:num_phy_ports         1               lgc_num                 22
S:num_iu_to             0               sw_txq_bm
        0
S:port_fid              128             unused                  0
S:port_group            2               lgc_stats_clear_ts
                1725611419
S:domain_tbl_sel                0               area_tbl_sel
        0
S:egid_tbl_sel          0
S:serv_lo_bm            0x0
S:
S:Proto Phy Variables:
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4123456      asic_phyp
```

```
0xb6ae2080
S:port_id                       0x43028016      phy_cfg
        0xb6ae30c0
S:upsm_hdl              0xb8016c80      physm_hdl
0xb8016a00
S:ov_snsm_hdl           0xb80168c0      sw_snsm_hdl
0xb8016960
S:ov_lksm_hdl           0xb8016aa0      sw_lksm_hdl
0xb8016b40
S:trksm_hdl             0xb8016be0      lr_flag         0x0
S:lr_active             0x0             qsfp_txrx_rate_sel
        0x0
S:
S:UPSM      UP00: UPST_PORT_DISABLED    --> UP01:
UPST_START_PORT_INIT
S:SNSM(OV)  SN00: OV_SNST_STOPPED       --> SN00: OV_SNST_STOPPED
S:SNSM(SW)  SW00: SW_SNST_STAGE_WS      --> SW00: SW_SNST_STAGE_WS
S:PHYSM     UNKNOWN     --> PP03: PHYST_NO_SIGNAL
S:LKSM(OV)  LK00: OV_LKST_INACTIVE      --> LK00: OV_LKST_INACTIVE
S:LKSM(SW)  SW13: INACTIVE              --> SW13: INACTIVE
S:TRKSM     TRK0: TRKST_INIT            --> TRK0: TRKST_INIT
S:
S:physm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb880a480      physm_hdl
0xb8016a00
S:force_offline         0               copper                  0
S:fault_reason          0: UNKNOWN
S:phy_media_present             1
S:
S:snsm variables:
S:-------------------------------------------------------------------
---------
S:speed                 0xff            proto_phyp
0xb880a480
S:hw_sn_tries_left      0x0             sw_sn_tries_left        0x0
S:curr_txsp_count               0x0
S:tx_max                        0x0             curr_tx_indx
        0x0
S:curr_tx                       0x0             curr_rxsp_count
        0x0
S:rx_max                        0x0             curr_rx_indx
        0x0
S:curr_rx                       0x0             rx_mem
        0x0
S:rxsp_rec_count                0x0
S:nc_start              0x0             tx_start                0x0
S:sync_start            0x0             sync_present            0x0
S:diag_auto             0x0             diag_speed              0xff
S:striped_wd_tov                3000            hw_wd_tov
        3000
S:step                  0x0             qsfp28_speed_mode
        0x0
```

```
S:qsfp_mode0_hw_sn_tries_left           0x0
S:qsfp_mode1_hw_sn_tries_left           0x0
S:
S:lksm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb880a480      ov_lksm_hdl
0xb8016aa0
sw_lksm_hdl             0xb8016b40
num_lf1                 0
S:hw_link_tries_left    0               sw_link_tries_left      0
S:buf_ptype             0x0             stored_entry_state      0x6
S:handshake_owner               0x0             mark_unsent
        0x0
S:busybuf_stuck         0x0             lr_wait                 0x0
S:
S:trksm variables:
S:-------------------------------------------------------------------
---------
S:Not a trunk port
S:
S:upsm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb880a480      upsm_hdl
0xb8016c80
S:bb_credits            0               port_beacon             0
S:port_diag_flag                0               force_offline
        0
S:port_fault_rsn                0: PORT_NO_FAULT
S:retry_init_rsn                0: UNKNOWN
S:linit_reason          0               linit_result            0
S:ie_fctl_mode          0               fec_in_sync_tries_left  0
S:retry_sn_fail_init    0
retry_link_fail_init    0
S:excess_lr_count       0
S:
S:c4_ch_cfg
S:-------------------------------------------------------------------
---------
S:c4_desc_ring_size     256      292      256      256      292
292      2        292      292
S:thresh_def            0        16       1        0
S:intr_tries            500             cmem_pattern
0xdeadbeef
S:cmem_pattern_upwd     2               cmem_init_time          16
S:cmem_init_tries               5
S:ctrl_par_thresh               2               data_par_thresh
        4
S:cam_par_thresh                4               buf_loss_thresh
        12
S:crit_par_thresh               2               non_crit_par_thresh
        6
S:pci_abort_thresh      10              pci_err_thresh          5
```

```
S:excess_chintr_thresh  8               sw_err_thresh           20
S:err_sample_period     300             intr_sleep
20000
S:frame_timeout 2500            proxy_dev               16384
S:vf_route      81920           qos             2048
S:stats 2048            f_redirect              2048
S:rsp_trap      2048            lun_zoning              20480
S:area_mode     0               ftb_max_loop[0]         0
S:ftb_max_loop[1]       6               ftb_max_loop[2]         9
S:ftb_max_loop[3]       10              ftb_max_loop[4]         10
S:ftb_max_loop[5]       5               ftb_max_loop[6]         6
S:ftb_seg_size[0]       0               ftb_seg_size[1]
16384
S:ftb_seg_size[2]       65536           ftb_seg_size[3]
16384
S:ftb_seg_size[4]       16384           ftb_seg_size[5]
65536
S:ftb_seg_size[6]       16384           ftb_seg_base[0]         0
S:ftb_seg_base[1]       0               ftb_seg_base[2]
65536
S:ftb_seg_base[3]       16384           ftb_seg_base[4]
32768
S:ftb_seg_base[5]       131072          ftb_seg_base[6]
49152
asic_err_monitor_period1                300
asic_err_monitor_period2                86400
zone_chk_to_poll_period 25
zone_chk_class2_reject_tov              220
S:
S:c4_phy_cfg
S:-------------------------------------------------------------------
---------
S:version = 2.1
S:pt                    0x43028016      fab_ptr
0x9a800000
S:fabattr                       0x9a8000d4      fab_iop
        0x9a800050
S:cfgbm                 0xbb844624      port_ctrl
0xb6ae30d8
S:pcap.pcap_bm          0x8d215547      pcap.pcap2_bm
0x588289
S:pcap.pcap3_bm         0x1bebe0c
ui_idx                  40              S:slot_no
        0
is_icl                  0               S:sw_usr_ports          400
S:neg_speed             0 0 0 0 0 0
S:my_domain             0x1             port_mode               0x0
S:hw_sn_maxtries                100             sw_sn_maxtries
        0
S:hw_link_maxtries      10              sw_link_maxtries        5
S:rx_cyc_tov            28              rttov                   300
S:bufrdy_tov            300             busybuf_tov             286
S:mark_tov              300             lksm_tov                3000
S:buf_dealloc_wait      4               hw_wd_tov               3000
```

```
S:hw_lk_train_tov               540             hw_lk_test_tov
        150
S:syswait_tx_12_lips    1               lip_rx_tov              55
S:al_time_tov           15              lp_tov                  2000
S:intr_tries_port               500             intr_mod_debounce
        250
S:intr_lsr_flt_debounce 500             intr_efifo_debounce     100
S:port_no_fid           3               excess_ptintr_thresh    8
S:port_fault1_thresh    100             port_fault1_spur_thresh 250
S:port_fault1_disc_thresh       500
port_fault1_disc_spur_thresh    1000
S:port_fault2_thresh    5               losync_tov              100
S:port_sw_link_to               15              en_8g_scramble
        1
frc_hw_sn_mode          0x1
S:enc_poll_thresh               0               fec_enable
        0
S:fec_in_sync_to                50              fec_in_sync_try_max
        4
S:port_be_lto_threshold         100             port_be_lr_threshold
                2
S:be_cr_in_sync_to              5
port_credit_overrun_thresh              10
S:jda_sfp_losig_tov             400
jda_sfp_losig_try_max           30
S:striped_wd_tov                3000
no_sync_debounce                1200
S:
S:      fab_iop
S:======================================
S:fab_iop->interop_mode 0x0             fab_iop->lab_mode       0x0
S:fab_iop->fl_bbc               0x0             fab_iop->fl_fan
        0x0
S:fab_iop->fl_cls               0x4             fab_iop->fl_rscn
        0x0
S:fab_iop->domain_id_offset     0x60            fab_iop-
>mcdt_fabric_mode       0x0
S:fab_iop->mcdt_default_zone            0x0             fab_iop-
>mcdt_safe_zone         0x0
S:
S:      port_ctrl
S:======================================
S:port_ctrl.port_type   1               port_ctrl.port_grp      2
S:port_ctrl.port_number 40              port_ctrl.vc_mode       1
S:
S:      port_ctrl.lcap
S:======================================
S:has_serdes            0               has_media               1
S:topology              1               skip_nego               0
S:skip_pnego            0               skip_init_event         0
S:en_shim                       0               speed_neg
        1
S:loop_back             0               num_speeds              5
S:fec_enable            0
```

```
S:
S:      port_ctrl.speed_list array
S:=======================================
S:speed_list[0].auto_neg  1     speed_list[0].lnk_speed  0x0000000a
S:speed_list[1].auto_neg  1     speed_list[1].lnk_speed  0x00000008
S:speed_list[2].auto_neg  0     speed_list[2].lnk_speed  0x00000006
S:speed_list[3].auto_neg  1     speed_list[3].lnk_speed  0x00000005
S:speed_list[4].auto_neg  0     speed_list[4].lnk_speed  0x00000003
S:speed_list[5].auto_neg  0     speed_list[5].lnk_speed  0x00000000
S:
S:      port_ctrl.cm
S:=======================================
S:port_ctrl.cm.num_vcs          8
S:port_ctrl.cm.min_bufs         8
S:port_ctrl.cm.cr_shar_bufs     0
S:port_ctrl.vc_alloc
S:port_ctrl.vc_alloc            2 0 1 1 1 1 1 1
S:port_ctrl.vc_alloc            0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.norm_vc_alloc
S:port_ctrl.norm_vc_alloc       4 0 5 5 5 5 1 1
S:port_ctrl.norm_vc_alloc       0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.cm.skip_bb_credit           0
S:port_ctrl.cm.use_shim_based_sublist           0
S:
S:      port_ctrl.serdes_set
S:=======================================
S:serdes_type           0x8
S:serdes_data_t.ibm_hss_serdes.tx_drive_power           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b_sign      0x1
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_a           0x0
S:serdes_data_t.ibm_hss_serdes.rxeq                     0x0
S:
S:      cfgbm
S:=======================================
S:old_distance          0x0             gport_lockdown          0x0
S:tport                 0x1             speed                   0x0
S:disable_eport         0x0             fcacc                   0x0
S:lport_lockdown                0x0             priv_lport_lockdown
        0x0
S:vcxlt_linit           0x0             delay_flogi             0x0
S:isl_interop           0x0             distance                0x0
S:BufStarvFlag          0x0             credit_sharing          0x0
S:lport_halfduplex      0x0             lport_fairness          0x0
S:soft_neg              0x0             asn_frc_hwretry         0x0
S:cr_recov              0x0             fport_buffers           0x0
S:export                        0x0             export_mode
        0x0
S:csctl_en              0x0             mirror_port             0x0
S:fault_delay           0x0             non_dfe                 0x0
S:fec_configured*(0=ENAB)       0               fec_tts
        0
```

```
S:port_persistently_disabled (permanently) 0 (0)
S:
S:      cfg property
S:=====================================
S:priv_pcfg_bm          0x00000000      lgcl_pcfg_bm
0xbb844664
S:fport_buffer          0x00000000
S:
S:
S:C4 Discard Cntrs: rxlp_stats = 0xb6ae2430
S:-------------------------------------------------------------------
---------
S:disc_mcast_wka        0x0             disc_inv_did            0x0
S:disc_cl1_cl4          0x0             disc_sid_chk_fail       0x0
S:disc_inv_dom_egid_txpt        0x0             disc_vft_hop_cnt_1
        0x0
S:disc_classf           0x0             disc_fcp_cdb_inv        0x0
S:disc_vfid_trap_enabled        0x0
disc_vfid_hdr_chk_fail  0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_ftb_vm_mode      0x0             disc_ftb_agn_t2_miss    0x0
S:disc_ecb_de_pad_err   0x0             disc_ecb_de_tag_err     0x0
S:disc_ecb_de_seq_err   0x0             disc_ecb_err            0x0
S:disc_ftb_type4_match  0x0             disc_fcp_rsp_ftb_type4  0x0
S:disc_fcp_rsp_ftb_type4        0x0             disc_ftb_type5_match
        0x0
S:disc_ftb_type3_match  0x0             disc_els_ftb_type3      0x0
S:disc_ftb_type1_match  0x0             disc_els_rsp_ex_port    0x0
S:disc_inv_drp_dps      0x0             disc_did_lookup_miss    0x0
S:disc_ftb_type2_match  0x0             disc_trpd_plogi_pdisc   0x0
S:disc_type2_lookup_miss        0x0             disc_ftb_type6_match
        0x0
S:disc_els_rep_ex_port  0x0             disc_els_sid_lkup_bit1  0x0
S:disc_els_sid_lkup_bit0        0x0
disc_bls_frm_trap_bit1  0x0
S:disc_ftb_token_err    0x0             disc_asic_internal_err  0x0
S:disc_hard_zone_miss   0x0             disc_lun_zone_miss      0x0
S:disc_flt_frame_disc   0x0             disc_flt_parity_err     0x0
S:disc_frame_marked_du  0x0             disc_frame_marked_to    0x0
E:Connection type: FE
E:Port type: F_port
E:Trunk port: No
E:Configured Speed: AUTO_SPEED_NEGO
E:Max Capable Speed: 32G
E:Current SNSM Speed: UNDEFINED
E:Hardware TX Speed: 32G (0x00000004)
E:Hardware RX Speed: 32G (0x00000040)
E:
E:Interrupts:   0           Link_failure:       0
Loss_of_sync:   0           Loss_of_sig:        0
E:Lli:          0           Invalid_word:       0
E:trapped_frm:  0           fwd_status_ok:      0
E:fwd_timeout:  0           fwd_tx_unavail:     0
```

```
E:fwd_unroutable:       0           fwd_zone_out:       0
E:fwd_other_err:        0           frm_err_discard:    0
E:Fltr listA:   0           Fltr listB:         0
E:Zone trap fwd:        0           Zone trap disc:     0
E:shim_csum:    0           RTE_perr:           0
E:Invalid_crc:  0           Delim_err:          0
E:Protocol_err: 0
E:Lr_in:        0           Lr_out:             0
E:Ols_in:       0           Ols_out:            0


filterportshow 40

                FILTER DATA
                -----------
Shadow settings:
   Filter Enable: 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass: 0x00000000
Real settings:
   Enable RAM: 0x00000000, 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
```

```
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass RAM: 0x00000000

Shadowed filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        c4_fldenable[0] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[0] = 0x00000000,c4_fltr_config[0] = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        c4_fldenable[1] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[1] = 0x00000000,c4_fltr_config[1] = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        c4_fldenable[2] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[2] = 0x00000000,c4_fltr_config[2] = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        c4_fldenable[3] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[3] = 0x00000000,c4_fltr_config[3] = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        c4_fldenable[4] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[4] = 0x00000000,c4_fltr_config[4] = 0x00000000
```

```
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        c4_fldenable[5] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[5] = 0x00000000,c4_fltr_config[5] = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        c4_fldenable[6] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[6] = 0x00000000,c4_fltr_config[6] = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        c4_fldenable[7] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[7] = 0x00000000,c4_fltr_config[7] = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        c4_fldenable[8] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[8] = 0x00000000,c4_fltr_config[8] = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        c4_fldenable[9] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[9] = 0x00000000,c4_fltr_config[9] = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        c4_fldenable[10] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[10] = 0x00000000,c4_fltr_config[10] =
0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        c4_fldenable[11] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[11] = 0x00000000,c4_fltr_config[11] =
0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        c4_fldenable[12] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[12] = 0x00000000,c4_fltr_config[12] =
0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        c4_fldenable[13] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[13] = 0x00000000,c4_fltr_config[13] =
0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        c4_fldenable[14] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[14] = 0x00000000,c4_fltr_config[14] =
0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        c4_fldenable[15] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[15] = 0x00000000,c4_fltr_config[15] =
0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        c4_fldenable[16] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[16] = 0x00000000,c4_fltr_config[16] =
```

```
0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        c4_fldenable[17] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[17] = 0x00000000,c4_fltr_config[17] =
0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        c4_fldenable[18] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[18] = 0x00000000,c4_fltr_config[18] =
0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        c4_fldenable[19] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[19] = 0x00000000,c4_fltr_config[19] =
0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        c4_fldenable[20] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[20] = 0x00000000,c4_fltr_config[20] =
0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        c4_fldenable[21] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[21] = 0x00000000,c4_fltr_config[21] =
0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        c4_fldenable[22] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[22] = 0x00000000,c4_fltr_config[22] =
0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        c4_fldenable[23] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[23] = 0x00000000,c4_fltr_config[23] =
0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        c4_fldenable[24] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[24] = 0x00000000,c4_fltr_config[24] =
0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        c4_fldenable[25] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[25] = 0x00000000,c4_fltr_config[25] =
0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        c4_fldenable[26] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[26] = 0x00000000,c4_fltr_config[26] =
0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        c4_fldenable[27] = 0x00000000 0x00000000 0x00000000
0x00000000
```

```
        c4_fldnegate[27] = 0x00000000,c4_fltr_config[27] =
0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        c4_fldenable[28] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[28] = 0x00000000,c4_fltr_config[28] =
0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        c4_fldenable[29] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[29] = 0x00000000,c4_fltr_config[29] =
0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        c4_fldenable[30] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[30] = 0x00000000,c4_fltr_config[30] =
0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        c4_fldenable[31] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[31] = 0x00000000,c4_fltr_config[31] =
0x00000000


Real filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
```

```
Filter 7: Not Installed (TIN TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
```

```
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000

Filter dirty indicator: 0x00000000
Performance filters: 0
Port Mirror filters: 0 (0x0)


                FIELD DATA
                ----------
```

Shadowed fields:

fldoffset[0] = 0x00,fldmask[0] = 0x00,fldvalue_dyna[0]:0x00 0x00
0x00 0x00
fldcontrol[0].inuse = 0x0 fldcontrol[0].refcnt = 0x00 0x00 0x00
0x00
fldoffset[1] = 0x00,fldmask[1] = 0x00,fldvalue_dyna[1]:0x00 0x00
0x00 0x00
fldcontrol[1].inuse = 0x0 fldcontrol[1].refcnt = 0x00 0x00 0x00
0x00
fldoffset[2] = 0x00,fldmask[2] = 0x00,fldvalue_dyna[2]:0x00 0x00
0x00 0x00
fldcontrol[2].inuse = 0x0 fldcontrol[2].refcnt = 0x00 0x00 0x00
0x00
fldoffset[3] = 0x00,fldmask[3] = 0x00,fldvalue_dyna[3]:0x00 0x00
0x00 0x00
fldcontrol[3].inuse = 0x0 fldcontrol[3].refcnt = 0x00 0x00 0x00
0x00
fldoffset[4] = 0x00,fldmask[4] = 0x00,fldvalue_dyna[4]:0x00 0x00
0x00 0x00
fldcontrol[4].inuse = 0x0 fldcontrol[4].refcnt = 0x00 0x00 0x00
0x00
fldoffset[5] = 0x00,fldmask[5] = 0x00,fldvalue_dyna[5]:0x00 0x00
0x00 0x00
fldcontrol[5].inuse = 0x0 fldcontrol[5].refcnt = 0x00 0x00 0x00
0x00
fldoffset[6] = 0x00,fldmask[6] = 0x00,fldvalue_dyna[6]:0x00 0x00
0x00 0x00
fldcontrol[6].inuse = 0x0 fldcontrol[6].refcnt = 0x00 0x00 0x00
0x00
fldoffset[7] = 0x00,fldmask[7] = 0x00,fldvalue_dyna[7]:0x00 0x00
0x00 0x00
fldcontrol[7].inuse = 0x0 fldcontrol[7].refcnt = 0x00 0x00 0x00
0x00
fldoffset[8] = 0x00,fldmask[8] = 0x00,fldvalue_dyna[8]:0x00 0x00
0x00 0x00
fldcontrol[8].inuse = 0x0 fldcontrol[8].refcnt = 0x00 0x00 0x00
0x00
fldoffset[9] = 0x00,fldmask[9] = 0x00,fldvalue_dyna[9]:0x00 0x00
0x00 0x00
fldcontrol[9].inuse = 0x0 fldcontrol[9].refcnt = 0x00 0x00 0x00
0x00
fldoffset[10] = 0x00,fldmask[10] = 0x00,fldvalue_dyna[10]:0x00 0x00
0x00 0x00
fldcontrol[10].inuse = 0x0 fldcontrol[10].refcnt = 0x00 0x00 0x00
0x00
fldoffset[11] = 0x00,fldmask[11] = 0x00,fldvalue_dyna[11]:0x00 0x00
0x00 0x00
fldcontrol[11].inuse = 0x0 fldcontrol[11].refcnt = 0x00 0x00 0x00
0x00
fldoffset[12] = 0x00,fldmask[12] = 0x00,fldvalue_dyna[12]:0x00 0x00
0x00 0x00
fldcontrol[12].inuse = 0x0 fldcontrol[12].refcnt = 0x00 0x00 0x00

```
0x00
fldoffset[13] = 0x00,fldmask[13] = 0x00,fldvalue_dyna[13]:0x00 0x00
0x00 0x00
fldcontrol[13].inuse = 0x0  fldcontrol[13].refcnt = 0x00 0x00 0x00
0x00
fldoffset[14] = 0x00,fldmask[14] = 0x00,fldvalue_dyna[14]:0x00 0x00
0x00 0x00
fldcontrol[14].inuse = 0x0  fldcontrol[14].refcnt = 0x00 0x00 0x00
0x00
fldoffset[15] = 0x00,fldmask[15] = 0x00,fldvalue_dyna[15]:0x00 0x00
0x00 0x00
fldcontrol[15].inuse = 0x0  fldcontrol[15].refcnt = 0x00 0x00 0x00
0x00
fldoffset[16] = 0x00,fldmask[16] = 0x00,fldvalue_dyna[16]:0x00 0x00
0x00 0x00
fldcontrol[16].inuse = 0x0  fldcontrol[16].refcnt = 0x00 0x00 0x00
0x00
fldoffset[17] = 0x00,fldmask[17] = 0x00,fldvalue_dyna[17]:0x00 0x00
0x00 0x00
fldcontrol[17].inuse = 0x0  fldcontrol[17].refcnt = 0x00 0x00 0x00
0x00
fldoffset[18] = 0x00,fldmask[18] = 0x00,fldvalue_dyna[18]:0x00 0x00
0x00 0x00
fldcontrol[18].inuse = 0x0  fldcontrol[18].refcnt = 0x00 0x00 0x00
0x00
fldoffset[19] = 0x00,fldmask[19] = 0x00,fldvalue_dyna[19]:0x00 0x00
0x00 0x00
fldcontrol[19].inuse = 0x0  fldcontrol[19].refcnt = 0x00 0x00 0x00
0x00

Real fields:

fldoffset RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fldmask RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fld value4 RAM:
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
```

```
0x00000000
0x00000000
0x00000000
Field dirty indicator: 0x00000000

FDB reference count fdb: 0 [0 0 0 0 ]
FDB reference count fdb: 1 [0 0 0 0 ]
FDB reference count fdb: 2 [0 0 0 0 ]
FDB reference count fdb: 3 [0 0 0 0 ]
FDB reference count fdb: 4 [0 0 0 0 ]
FDB reference count fdb: 5 [0 0 0 0 ]
FDB reference count fdb: 6 [0 0 0 0 ]
FDB reference count fdb: 7 [0 0 0 0 ]
FDB reference count fdb: 8 [0 0 0 0 ]
FDB reference count fdb: 9 [0 0 0 0 ]
FDB reference count fdb: 10 [0 0 0 0 ]
FDB reference count fdb: 11 [0 0 0 0 ]
FDB reference count fdb: 12 [0 0 0 0 ]
FDB reference count fdb: 13 [0 0 0 0 ]
FDB reference count fdb: 14 [0 0 0 0 ]
FDB reference count fdb: 15 [0 0 0 0 ]
FDB reference count fdb: 16 [0 0 0 0 ]
FDB reference count fdb: 17 [0 0 0 0 ]
FDB reference count fdb: 18 [0 0 0 0 ]
FDB reference count fdb: 19 [0 0 0 0 ]

Filter counters:
   Filter counter 0: 0  (MIRROR1)
   Filter counter 1: 0  (MIRROR2)
   Filter counter 2: 0  (MIRROR3)
   Filter counter 3: 0  (MIRROR4)
   Filter counter 4: 0  (AEPORT_NON_MIRR_DROP)
   Filter counter 5: 0  (ZONING TRAP)
   Filter counter 6: 0  (FCR_EXPORT_DC)
   Filter counter 7: 0  (TIN TRAP)
   Filter counter 8: 0  (FICON CUP)
   Filter counter 9: 0  (FICON CUP DST)
   Filter counter 10: 0 (WELL KNOWN ADDR)
   Filter counter 11: 0 (SIM)
   Filter counter 12: 0 (UNUSED)
   Filter counter 13: 0 (UNUSED)
   Filter counter 14: 0 (UNUSED)
   Filter counter 15: 0 (UNUSED)
   Filter counter 16: 0 (PERF1)
   Filter counter 17: 0 (PERF2)
   Filter counter 18: 0 (PERF3)
   Filter counter 19: 0 (PERF4)
   Filter counter 20: 0 (PERF5)
   Filter counter 21: 0 (PERF6)
   Filter counter 22: 0 (PERF7)
   Filter counter 23: 0 (PERF8)
   Filter counter 24: 0 (PERF9)
   Filter counter 25: 0 (PERF10)
   Filter counter 26: 0 (PERF11)
```

```
   Filter counter 27: 0 (PERF12)
   Filter counter 28: 0 (OPM1)
   Filter counter 29: 0 (OPM2)
   Filter counter 30: 0 (IPM1)
   Filter counter 31: 0 (IPM2)

               ACL DATA
               --------
Logical port 22: Hard Zoning disabled, Soft Zoning disabled
Zone type: WWN Zoning
Frames with hard zone miss: 0

*** Please use filterportshow on user port 56 to display ACL hash
tables and Mirroring resources of thischip.
 ***We show this data only for the first physical port which is an
exernal port.

portFcPortCmdShow --slot 0 41 3
doing portFcPortCmdShow: arg1 = 3, arg2 = -2

portshow 41
portDisableReason: None
portCFlags: 0x1
portFlags: 0x1   PRESENT U_PORT
LocalSwcFlags: 0x0
portType:  26.0
POD Port: Port is licensed
portState: 2    Offline
Protocol: FC
portPhys:  4    No_Light        portScn:   2    Offline
port generation number:    0
state transition count:    1

portId:    012900
portIfId:    43020015
portWwn:   20:29:d8:1f:cc:2c:99:90
portWwn of device(s) connected:
16b Area list:
Distance:  normal
portSpeed: N32Gbps

FEC: Inactive
Credit Recovery: Inactive
LE domain: 0
Peer beacon: Off
FC Fastwrite: OFF
Interrupts:        0          Link_failure: 0          Frjt:
0
Unknown:           0          Loss_of_sync: 0          Fbsy:
0
Lli:               0          Loss_of_sig:  0
Proc_rqrd:         0          Protocol_err: 0
Timed_out:         0          Invalid_word: 0
Tx_unavail:        0          Invalid_crc:  0
```

```
Delim_err:         0          Address_err:  0
Lr_in:             0          Ols_in:       0
Lr_out:            0          Ols_out:      0


portloginshow 41
Type  PID     World Wide Name        credit df_sz cos
=====================================================


portloginshow 41 -history
 Type  PID      World Wide Name           logout time
============================================================


portregshow 41

LED registers
=============
0x81caa000: c4_led_status           00000000    0x81caa004:
c4_led_ctl              00000000

FPL registers
=============
0x81ca8200: fpl_port_config         23298002
0x81ca820c: fpl_port_id_ctl         00000000    0x81ca8210:
fpl_port_id_addr        00012900
0x81ca8214: fpl_port_speed          00000004    0x81ca821c:
fpl_lli_ctl             00000100
0x81ca8228: fpl_lli_os_ctl          bc94ffff    0x81ca822c:
fpl_lli_send_word       bc95b5b5
0x81ca8230: fpl_lli_mark_rx         00000000    0x81ca8234:
fpl_lli_rnd_trip_time   00000000
0x81ca8238: fpl_lli_ns_status       00130007    0x81ca823c:
fpl_lli_intr_status     00030007
0x81ca8244: fpl_lli_def             00100000    0x81ca8254:
fpl_lli_intr_enable_clr 001c0000
0x81ca8258: fpl_err_intr_status     00000000    0x81ca8260:
fpl_err_intr_enable_clr 00000000
0x81ca8268: fpl_err_first_error     00000000    0x81ca826c:
fpl_speed_neg_ctl       00000000
0x81ca8270: fpl_speed_neg_stat      00000000    0x81ca8274:
fpl_softasn_ctl         0000000f
0x81ca8278: fpl_link_init_ctl       00000000    0x81ca827c:
fpl_link_init_stat      00000000
0x81ca8280: fpl_aec_ctl             001c1060    0x81ca8284:
fpl_aec_ctl2            04009f60
0x81ca8288: fpl_pcs_ctl             00000170    0x81ca828c:
fpl_fec_ctl             00000424
0x81ca8290: fpl_fec_cor             00000000    0x81ca8294:
fpl_fec_uncor           00000000
0x81ca8298: fpl_hss_link_ctl        0031f040    0x81ca829c:
fpl_afifo_link_ctl      00000a86
0x81ca82a0: fpl_echo_lb_ctl         0000028c    0x81ca82a4:
```

```
fpl_scratch             00000121
0x81ca82a8: fpl_debug               00060005    0x81ca82ac:
fpl_misc_debug          00000800
0x00000000: SW_shadow_reg           00000000    0x00000000:
SW_c4_phyp->cfgptr      00030003

per-fpg (per octet) registers
=============================
0x8181382c: fpg_serdes_ctla0        81a37be7    0x81813830:
fpg_serdes_ctla1        81a37be7
0x81813834: fpg_serdes_ctlb0        81a1c3c3    0x81813838:
fpg_serdes_ctlb1        81a1c3c3
0x8181383c: fpg_serdes_xgmii_1ms    00067c28    0x81813840:
fpg_serdes_regtimctl    40e47946
0x81813844: fpg_serdes_asnrsttimctl 00000102

HSS PLL registers
=============================
0x81813400: 00_hssplla_vco_coarse_cal0      00000000    0x81813404:
01_hssplla_vco_coarse_cal1      00000014
0x81813408: 02_hssplla_vco_coarse_cal2      00000000    0x8181340c:
03_hssplla_vco_coarse_cal3      00000000
0x81813410: 04_hssplla_vco_coarse_cal4      00000000    0x81813424:
09_hssplla_power_ctl            00000000
0x81813428: 0A_hssplla_charge_pump_ctl      00000004    0x81813438:
0E_hssplla_pll_misc_ctl         00000000
0x8181343c: 0F_hssplla_pclk_ctl             000000f8    0x81813440:
10_hssplla_eyem_intv_ctl        00000000
0x81813444: 11_hssplla_eyem_intv_lim1       00000000    0x81813448:
12_hssplla_eyem_intv_lim2       00000000
0x8181344c: 13_hssplla_eyem_intv_lim3       00000000    0x81813450:
14_hssplla_eyem_intv_lim4       00000000
0x818134f0: 3C_hssplla_macro_tst_ctl4       00000000    0x818134f4:
3D_hssplla_macro_tst_ctl3       00000000
0x818134f8: 3E_hssplla_macro_tst_ctl2       00000000    0x818134fc:
3F_hssplla_macro_tst_ctl1       00000000
0x81813500: 00_hssplb_vco_coarse_cal0       0000000a    0x81813504:
01_hssplb_vco_coarse_cal1       00000014
0x81813508: 02_hssplb_vco_coarse_cal2       00000000    0x8181350c:
03_hssplb_vco_coarse_cal3       00000000
0x81813510: 04_hssplb_vco_coarse_cal4       00000000    0x81813524:
09_hssplb_power_ctl             00000000
0x81813528: 0A_hssplb_charge_pump_ctl       00000004    0x81813538:
0E_hssplb_pll_misc_ctl          00000000
0x8181353c: 0F_hssplb_pclk_ctl              000000f8    0x81813540:
10_hssplb_eyem_intv_ctl         00000000
0x81813544: 11_hssplb_eyem_intv_lim1        00000000    0x81813548:
12_hssplb_eyem_intv_lim2        00000000
0x8181354c: 13_hssplb_eyem_intv_lim3        00000000    0x81813550:
14_hssplb_eyem_intv_lim4        00000000
0x818135f0: 3C_hssplb_macro_tst_ctl4        00000000    0x818135f4:
3D_hssplb_macro_tst_ctl3        00000000
0x818135f8: 3E_hssplb_macro_tst_ctl2        00000000    0x818135fc:
3F_hssplb_macro_tst_ctl1        00000000
```

HSS TX registers
================
0x81812100: 00_hsstx_cfg_mode_PHY 00009f48 0x81812104: 01_hsstx_test_ctl 00000000
0x81812108: 02_hsstx_coeff_ctl_INV 00000000 0x8181210c: 03_hsstx_drv_mode_ctl 00000000
0x81812110: 04_hsstx_drv_ovrd_ctl 00000010 0x81812114: 05_hsstx_dclk_align_ovrd 00000080
0x81812118: 06_hsstx_imp_cal_ovrd 00000c0c 0x8181211c: 07_hsstx_dclk_drift_tol 00000004
0x81812120: 08_hsstx_tap0_coeff_TUNE 00000000 0x81812124: 09_hsstx_tap1_coeff_TUNE 00000003
0x81812128: 0A_hsstx_tap2_coeff_TUNE 00000019 0x8181212c: 0B_hsstx_tap3_coeff_TUNE 00000003
0x81812134: 0D_hsstx_pol_INV 00000004 0x81812138: 0E_hsstx_ae_cmd 00000000
0x8181213c: 0F_hsstx_ae_stat 00000000 0x81812140: 10_hsstx_ae_tap0_TUNE 00000000
0x81812144: 11_hsstx_ae_tap1_TUNE 00000000 0x81812148: 12_hsstx_ae_tap2_TUNE 00000028
0x8181214c: 13_hsstx_ae_tap3_TUNE 00000000 0x81812154: 15_hsstx_app_tune 0000120e
0x81812158: 16_hsstx_analog_diag 00000000 0x81812160: 18_hsstx_4x_seg_app 0000aa00
0x81812164: 19_hsstx_2x_seg_app 000000aa 0x81812168: 1A_hsstx_1x_seg_app 0000f5e4
0x8181216c: 1B_hsstx_seg_4x_term_app 0000000f 0x81812170: 1C_hsstx_seg_2x1x_term_app 00000001
0x81812174: 1D_hsstx_tap_sign_app 00000004 0x81812178: 1E_hsstx_ext_addr_data 00000001
0x8181217c: 1F_hsstx_ext_addr_addr 00000000 0x81812180: 20_hsstx_pat_buf_bytes_1_0 00000000
0x81812184: 21_hsstx_pat_buf_bytes_3_2 00000000 0x81812188: 22_hsstx_pat_buf_bytes_5_4 00000000
0x8181218c: 23_hsstx_pat_buf_bytes_7_6 00000000 0x8181219c: 27_hsstx_8023az_ctl 00000000
0x818121a0: 28_hsstx_dcc_ctl 000060c0 0x818121a4: 29_hsstx_dcc_ovrd 00000000
0x818121a8: 2A_hsstx_dcc_app 00000000 0x818121ac: 2B_hsstx_dcc_timeout 0000ffff
0x818121c0: 30_hsstx_tap_sign_ovrd 00000000 0x818121c8: 32_hsstx_seg_4x_ovrd 00000000
0x818121cc: 33_hsstx_seg_2x_ovrd 00000000 0x818121d0: 34_hsstx_seg_1x_ovrd 00000000
0x818121d8: 36_hsstx_tap_seg_4x_term_ovrd 00000000 0x818121dc: 37_hsstx_tap_seg_2x_term_ovrd 00000000
0x818121e0: 38_hsstx_tap_seg_1x_term_ovrd 00000000 0x818121ec: 3B_hsstx_mac_test_ctl5 00000000
0x818121f0: 3C_hsstx_mac_test_ctl4 00000000 0x818121f4: 3D_hsstx_mac_test_ctl3 00000000
0x818121f8: 3E_hsstx_mac_test_ctl2 00000000 0x818121fc: 3F_hsstx_mac_test_ctl1 000000c6

HSS RX registers
==========
0x81812300: 00_hssrx_cfg_mode_PHY 00009e78 0x81812304: 01_hssrx_test_ctl 00000000
0x81812308: 02_hssrx_phs_rot_ctl 0000cb80 0x8181230c: 03_hssrx_phs_rot_ofs_ctl 00001610
0x81812310: 04_hssrx_phs_rot_posn1 00001616 0x81812314: 05_hssrx_phs_rot_posn2 00000005
0x81812318: 06_hssrx_phs_rot_sta_ofs1 00000000 0x8181231c: 07_hssrx_phs_rot_sta_ofs2 00000000
0x81812320: 08_hssrx_dfe_ctl_PHY 00002002 0x81812324: 09_hssrx_dfe_smpl_snap1 00000000
0x81812328: 0A_hssrx_dfe_smpl_snap2 00008000 0x8181232c: 0B_hssrx_vga_ctl1 00004001
0x81812330: 0C_hssrx_vga_ctl2 00007aa0 0x81812334: 0D_hssrx_vga_ctl3 000009e4
0x81812338: 0E_hssrx_pwr_mgmnt_ctl 0000001f 0x8181233c: 0F_hssrx_iqamp_ctl1 0000001a
0x81812340: 10_hssrx_iqamp_ctl2 00000004 0x81812344: 11_hssrx_dacap_dacan_sel 00000003
0x81812348: 12_hssrx_dacap_dacan 0000fffd 0x8181234c: 13_hssrx_daca_min 00000000
0x81812350: 14_hssrx_adac_ctl 00000000 0x81812354: 15_hssrx_ac_cp_ctl 000031c3
0x81812358: 16_hssrx_ac_cp_val 00008054 0x8181235c: 17_hssrx_dfe_h1h2h3_lcl_off_ch 00000014
0x81812360: 18_hssrx_dfe_h1h2h3_lcl_off_val 00000000 0x81812364: 19_hssrx_peaked_intg 000000ff
0x81812368: 1A_hssrx_cdr_analog_sw 0000ce00 0x8181236c: 1B_hssrx_peaking_amp_init_c_PHY 00000000
0x81812370: 1C_hssrx_dac_dpc 00000040 0x81812374: 1D_hssrx_ddc 00000000
0x81812378: 1E_hssrx_int_stat_PHY 00001c0f 0x8181237c: 1F_hssrx_dfe_func_ctl1_PHY 0000ffff
0x81812380: 20_hssrx_dfe_func_ctl2_INV 00007ebf 0x81812384: 21_hssrx_ofs_ch_dcc_qcc_idx 00002000
0x81812388: 22_hssrx_dfe_ofs_val 0000797f 0x8181238c: 23_hssrx_h_coeff_bist 0000040d
0x81812390: 24_hssrx_ac_cap_bist 00000067 0x81812394: 25_hssrx_max_gain_path_idx_res 00007800
0x81812398: 26_hssrx_loff_ctl 00000040 0x8181239c: 27_hssrx_sigdet_ctl 00002380
0x818123a0: 28_hssrx_ana_ctl_sw 00000000 0x818123a4: 29_hssrx_intg_dac_ofs 0000dce3
0x818123a8: 2A_hssrx_eye_ctl 00000000 0x818123ac: 2B_hssrx_eye_met 00000004
0x818123b0: 2C_hssrx_eye_met_err_cnt 00000000 0x818123b4: 2D_hssrx_eye_met_pdf_eyec 00000000
0x818123b8: 2E_hssrx_eye_met_pat_len 0000007f 0x818123bc: 2F_hssrx_dfe_func_ctl3 0000dfff
0x818123c0: 30_hssrx_dfe_tap_ctl_idx_ptr 00000008 0x818123c4: 31_hssrx_dfe_tap 00003030
0x818123c8: 32_hssrx_lte_ctl_TUNE 00001601 0x818123e4: 39_hssrx_int_stat2 0000c1ff

```
0x818123e8: 3A_hssrx_ac_cpl_cur_src_adj     00000041    0x818123ec:
3B_hssrx_dcd_ctl                00007c41
0x818123f0: 3C_hssrx_dcc_ctl                00000d81    0x818123f4:
3D_hssrx_qcc_ctl                00006983
0x818123f8: 3E_hssrx_mac_test_ctl2          00000000    0x818123fc:
3F_hssrx_mac_test_ctl1          00000000
0x81812348: 12_hssrx_dacap_dacan[02]                00f9 fffd
0x81812360: 18_hssrx_dfe_h1h2h3_lcl_off_va[00]      0000 0000   0000
0000   0000 0000   0000 0000
0x81812360: 18_hssrx_dfe_h1h2h3_lcl_off_va[08]      0000 0000   0000
0000   0000 0000   0000 0000
0x81812360: 18_hssrx_dfe_h1h2h3_lcl_off_va[16]      0000 0000   0000
0000   0000
0x81812388: 22_hssrx_dfe_ofs_val[00][00]            797f 0000   030b
7f7f   7b7f 0000
0x81812388: 22_hssrx_dfe_ofs_val[03][00]            7f7f 0000   7d7d
0000   0301 7f7f
0x81812388: 22_hssrx_dfe_ofs_val[06][00]            7c7d 0000   030d
7f7f   017f 0000
0x81812388: 22_hssrx_dfe_ofs_val[09][00]            7f01 0000   797f
0000   077d 7f00
0x81812388: 22_hssrx_dfe_ofs_val[12][00]            037f 7f00   017d
7f00   7f05 0000
0x81812388: 22_hssrx_dfe_ofs_val[15][00]            057e 7f00   7d03
0000   0509 7f7f
0x81812388: 22_hssrx_dfe_ofs_val[18][00]            7b79 0000   7908
007f   0001 0000
0x81812388: 22_hssrx_dfe_ofs_val[21][00]            0001 0000   0001
0000   0001 0000
0x81812388: 22_hssrx_dfe_ofs_val[24][00]            0204 007f   7c06
007f   7e7a 0000
0x81812394: 25_hssrx_max_gain_path_idx_res[00]      0058 0848   1012
189c   20ef 28af   3097 3800
0x81812394: 25_hssrx_max_gain_path_idx_res[08]      40cf 4895   5082
5800   6044 6800   70f3 7800
0x818123c4: 31_hssrx_dfe_tap[00]                    fffe 8080   0000
0000   0030 0030   3030 3030
0x818123c4: 31_hssrx_dfe_tap[08]                    3030 3030   3030
0000
0x818123e8: 3A_hssrx_ac_cpl_cur_src_adj[00]         0041 0041   0041
0041
0x818123ec: 3B_hssrx_dcd_ctl[00]                    7c41 5c00   7c86
5c00   7c82
0x818123f0: 3C_hssrx_dcc_ctl[00]                    0d81 0d82   0d82
0d81
0x818123f4: 3D_hssrx_qcc_ctl[00]                    6948 6983

xfipcs, fec, aec, & aet registers
=================================
0x81ca8400: xfipcs_reg              [00] 00002040 00000080 00000000
00000000    00000001 00000008 00000000 00000000
0x81ca8420: xfipcs_reg              [08] 00008401 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81ca8440: xfipcs_reg              [16] 00000000 00000000 00000000
```

```
00000000    00000040 00000000 00000000 00000000
0x81ca8460: xfipcs_reg              [24] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81ca8480: xfipcs_reg              [32] 00000004 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81ca8620: fec_32g_128g_reg        [08] 00000000 00008003 00000000
00000000    00000000 00000000 00000000
0x81ca8648: fec_32g_128g_reg        [18] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81ca8a00: aec_reg                 [00] 00000000 00000000 00000000
00000000    00000040 00000000 00000000 00002490
0x81ca8c00: aet_reg                 [00] 000000b0 00007000 000008c4
00000000    00000000

bbc registers
=============
0x81ca9800: bbc_trc                 0    0    0    0    0    0    0
0
0x81ca9840: bbc_trc                 0    0    0    0    0    0    0
0
0x81ca9880: bbc_trc                 0    0    0    0    0    0    0
0
0x81ca98c0: bbc_trc                 0    0    0    0    0    0    0
0
0x81ca9900: bbc_trc                 0    0    0    0    0    0    0
0
0x81ca9804: bbc_mbc                 0    0    0    0    0    0    0
0
0x81ca9844: bbc_mbc                 0    0    0    0    0    0    0
0
0x81ca9884: bbc_mbc                 0    0    0    0    0    0    0
0
0x81ca98c4: bbc_mbc                 0    0    0    0    0    0    0
0
0x81ca9904: bbc_mbc                 0    0    0    0    0    0    0
0
0x81ca9a00: bbc_rcc                 0    0    0    0    0    0    0
0
0x81ca9a20: bbc_rcc                 0    0    0    0    0    0    0
0
0x81ca9a40: bbc_rcc                 0    0    0    0    0    0    0
0
0x81ca9a60: bbc_rcc                 0    0    0    0    0    0    0
0
0x81ca9a80: bbc_rcc                 0    0    0    0    0    0    0
0
0x81ca9c00: bbc_rqc                 0    0    0    0    0    0    0
0
0x81ca9c20: bbc_rqc                 0    0    0    0    0    0    0
0
0x81ca9c40: bbc_rqc                 0    0    0    0    0    0    0
0
0x81ca9c60: bbc_rqc                 0    0    0    0    0    0    0
0
```

```
0x81ca9c80: bbc_rqc                 0    0    0    0    0    0    0
0
0x81ca9d00: bbc_fbpc                00000000    0x81ca9d04: bbc_csc
00000000
0x81ca9d08: bbc_rcc_inc             00000000    0x81ca9d0c:
bbc_rqc_inc             00000000
0x81ca9d10: bbc_fbpc_inc            00000000    0x81ca9d14:
bbc_tmc_inc             00000000
0x81ca9d18: bbc_threshold           00080100    0x81ca9d1c:
bbc_counter_clr         00000000
0x81ca9d20: bbc_debug_en            00000000    0x81ca9d24: bbc_ctrl
00200120
0x81ca9d28: bbc_rqc_rcc_thresh      00000055    0x81ca9d34:
bbc_bb_sc_n             00000000
0x81ca9d38: bbc_crd_reco_debug      00000000    0x81ca9d3c:
bbc_crd_reco_debug_data 00000000
0x81ca9d40: bbc_multi_frm_loss_cnt  00000000    0x81ca9d44:
bbc_multi_rdy_loss_cnt  00000000
0x81ca9d48: bbc_1frm_loss_recov_cnt 00000000    0x81ca9d4c:
bbc_1rdy_loss_recov_cnt 00000000
0x81ca9d58: bbc_int_status          00000000    0x81ca9d5c:
bbc_int_set             00000000
0x81ca9d60: bbc_int_first           00000000    0x81ca9d64:
bbc_frm_rdy_rx_err_addr 00000000
0x81ca9d68: bbc_frm_rdy_tx_err_addr 00000000    0x81ca9d6c:
bbc_trc_mbc_err_addr    00000000
0x81ca9d70: bbc_frm_rdy_rx_dbl_ecc  00000000    0x81ca9d74:
bbc_frm_rdy_tx_dbl_ecc  00000000
0x81ca9d78: bbc_trc_mbc_dbl_ecc     00000000
0x81ca9d7c: bbc_fsm_status          00001011    0x81ca9d80:
bbc_force_err           00000000
0x81ca9d84: bbc_crdt_avail0         00000000    0x81ca9d88:
bbc_crdt_avail1         00000000
0x81ca9d8c: bbc_scratch             00000000

FPS registers
=============
0x81ca8004: fps_er_enc_in           00000000    0x81ca8008:
fps_er_crc              00000000
0x81ca800c: fps_er_trunc            00000000    0x81ca8010:
fps_er_toolong          00000000
0x81ca8014: fps_er_bad_eof          00000000    0x81ca8018:
fps_er_enc_out          00000000
0x81ca801c: fps_er_bad_os           00000000    0x81ca8020:
fps_er_flush            00000000
0x81ca8024: fps_er_ifg              00000000    0x81ca8038:
fps_er_crc_good_eof     00000000
0x81ca803c: fps_inv_arb             00000000    0x81ca8040:
fps_slow_sts_status     00000000
0x81ca8044: fps_tx_frm_cnt          00000000    0x81ca8048:
fps_rx_frm_cnt          00000000
0x81ca8050: fps_tx_word_cnt_hi      00000000    0x81ca804c:
fps_tx_word_cnt_lo      00000000
0x81ca8058: fps_rx_word_cnt_hi      00000000    0x81ca8054:
```

```
fps_rx_word_cnt_lo      00000000

BAL registers
=============
0x81caf000: bal_desired_buf         00000000    0x81caf004:
bal_alloc_buf           00000000
0x81caf008: bal_busy_buf            00000000    0x81caf00c:
bal_usable_buf          00000000
0x81caf010: bal_max_bor_buf         00000000
0x81caf014: bal_busy_buf_thresh     00000002

TXQ registers
=============
0x81cab004: txq_phys_port_ctl       00450000
0x81cab050: txq_link_skew           00000000
0x81cab068: txq_cr_lk_dttn_intr_sts [00] 00000000 00000000
0x81cab070: txq_cr_lk_dttn_intr_en  [00] 00000000 00000000
0x81cab024: txq_disc_frm_trap_cnt   00000014

FDS registers
=============
0x81cac000: fds_rxf_ctl             00000002    0x81cac004:
fds_rxf_wait_thresh     00000909
0x81cac018: fds_rxf_first_error     00000000    0x81cac01c:
fds_rxf_first_error_info00000000
0x81cac020: fds_rxf_inout_pkt_cnt   00000000
0x81cac008: fds_rxf_err_int_status  00000000    0x81cac024:
fds_rxf_fifo_status     00888888
0x81cad000: fds_txf_ctl             0000003a    0x81cad004:
fds_txf_wait_ifg_thresh 00a00106
0x81cad008: fds_txf_err_int_status  00000000    0x81cad024:
fds_txf_fifo_status     00088888
0x81cad02c: fds_txf_bbc_scs         00000000

Logical TXQ registers
=====================
0x81cab000: txq_log_port_ctl        00000002    0x81cab008:
txq_port_status         00000000
0x81cab00c: txq_todo_flags          [00] 00000000 00000000
0x81cab014: txq_spd_match_desc      [00] 00000000 00000000 00000000
00000000
0x81cab024: txq_spd_match_desc      [04] 00000014
0x81cab028: txq_vc_weight           [00] 01010101 01010101 01010101
01010101
0x81cab038: txq_vc_weight           [04] 01010101 01010101 01010101
01010101
0x81cab048: txq_vc_weight           [08] 01010101 00010101
0x81cab054: txq_cong_dttn_ctrl      00000106
0x81cab058: txq_cong_dttn_intr_sts  [00] 00000000 00000000
0x81cab060: txq_cong_dttn_intr_en   [00] 00000000 00000000
0x81cab078: txq_bw_limit_en_reg     [00] 00000000 00000000
0x81cab080: txq_bw_gua_en_reg       [00] 00000000 00000000
0x81cab088: txq_vc_group            [00] 03030300 03030303 03030303
03030303
```

```
0x81cab098: txq_vc_group            [04] 03030303 03030303 03030303
03030303
0x81cab0a8: txq_vc_group            [08] 03030303 03030303 00000000
00000000
0x81cab0b0: txq_bw_thresh_group     [00] 00000000 00000000 00000000
00000000
0x81cab0c0: txq_bw_thresh_group     [04] 00000000 00000000 00000000
00000000
0x81cab0d0: txq_bw_thresh_group     [08] 00000000 00000000 00000000
00000000
0x81cab0e0: txq_bw_thresh_group     [12] 00000000 00000000 00000000
00000000
0x81cab0f0: txq_bw_thresh_group     [16] 00000000 00000000 00000000
00000000
0x81cab100: txq_bw_thresh_group     [20] 00000000 00000000 00000000
00000000
0x81cab110: txq_bw_thresh_group     [24] 00000000 00000000 00000000
00000000
0x81cab120: txq_bw_thresh_group     [28] 00000000 00000000 00000000
00000000
0x81cab130: txq_bw_thresh_group     [32] 00000000 00000000 00000000
00000000
0x81cab140: txq_bw_thresh_group     [36] 00000000 00000000 00000000
00000000

txq Congestion detection Statistics RAM
=======================================
0x81090d20: vc[0]       00000000        0x81090d24: vc[1]
00000000
0x81090d28: vc[2]       00000000        0x81090d2c: vc[3]
00000000
0x81090d30: vc[4]       00000000        0x81090d34: vc[5]
00000000
0x81090d38: vc[6]       00000000        0x81090d3c: vc[7]
00000000
0x81090d40: vc[8]       00000000        0x81090d44: vc[9]
00000000
0x81090d48: vc[10]      00000000        0x81090d4c: vc[11]
00000000
0x81090d50: vc[12]      00000000        0x81090d54: vc[13]
00000000
0x81090d58: vc[14]      00000000        0x81090d5c: vc[15]
00000000
0x81090d60: vc[16]      00000000        0x81090d64: vc[17]
00000000
0x81090d68: vc[18]      00000000        0x81090d6c: vc[19]
00000000
0x81090d70: vc[20]      00000000        0x81090d74: vc[21]
00000000
0x81090d78: vc[22]      00000000        0x81090d7c: vc[23]
00000000
0x81090d80: vc[24]      00000000        0x81090d84: vc[25]
00000000
0x81090d88: vc[26]      00000000        0x81090d8c: vc[27]
```

```
00000000
0x81090d90: vc[28]      00000000        0x81090d94: vc[29]
00000000
0x81090d98: vc[30]      00000000        0x81090d9c: vc[31]
00000000
0x81090da0: vc[32]      00000000        0x81090da4: vc[33]
00000000
0x81090da8: vc[34]      00000000        0x81090dac: vc[35]
00000000
0x81090db0: vc[36]      00000000        0x81090db4: vc[37]
00000000
0x81090db8: vc[38]      00000000        0x81090dbc: vc[39]
00000000


Logical STS registers
=====================
0x81585044: sts_ftb_type1_miss      00000000
0x81585048: sts_ftb_type2_miss      00000000
0x8158504c: sts_ftb_type6_miss      00000000
0x81585050: sts_hard_zoning_miss    00000000
0x81585054: sts_lun_zoning_miss     00000000
0x8158505c: sts_unroutable          00000000
0x81582074: sts_rte_cl2             00000000    0x81582078:
sts_rte_cl3             00000000        0x8158207c: sts_rte_link_ctl
00000000        0x81585068: sts_tx_timeout          00000000

Logical STS filter registers
=====================
0x81584fc0: sts_flt_trig            [00] 00000000 00000000 00000000
00000000
0x81584fd0: sts_flt_trig            [04] 00000000 00000000 00000000
00000000
0x81584fe0: sts_flt_trig            [08] 00000000 00000000 00000000
00000000
0x81584ff0: sts_flt_trig            [12] 00000000 00000000 00000000
00000000
0x81585000: sts_flt_trig            [16] 00000000 00000000 00000000
00000000
0x81585010: sts_flt_trig            [20] 00000000 00000000 00000000
00000000
0x81585020: sts_flt_trig            [24] 00000000 00000000 00000000
00000000
0x81585030: sts_flt_trig            [28] 00000000 00000000 00000000
00000000
0x81585040: sts_flt_trig            [32]

Logical STS discard registers
=====================
0x81582e84: disc_mcast_wka          00000000    0x81582e88:
disc_inv_did            00000000
0x81582e8c: disc_cl1_cl4            00000000    0x81582e90:
disc_sid_chk_fail       00000000
0x81582e94: disc_inv_dom_egid_txpt  00000000    0x81582e98:
```

```
disc_vft_hop_cnt_1      00000000
0x81582e9c: disc_classf             00000000    0x81582ea0:
disc_fcp_cdb_inv        00000000
0x81582ea4: disc_vfid_trap_enabled  00000000    0x81582ea8:
disc_vfid_hdr_chk_fail  00000000
0x81582eac: disc_shim_cksum_fail    00000000    0x81582eb0:
disc_fed_edit_cmd_err   00000000
0x81582eb4: disc_ftb_vm_mode        00000000    0x81582eb8:
disc_ftb_agn_t2_miss    00000000
0x81582ebc: disc_ecb_reserved       00000000    0x81582ec0:
disc_ecb_de_pad_err     00000000
0x81582ec4: disc_ecb_de_tag_err     00000000    0x81582ec8:
disc_ecb_de_seq_err     00000000
0x81582ecc: disc_ecb_err            00000000    0x81582ed0:
disc_ftb_type4_match    00000000
0x81582ed4: disc_fcp_rsp_ftb_type4  00000000    0x81582ed8:
disc_ftb_type5_match    00000000
0x81582edc: disc_ftb_type3_match    00000000    0x81582ee0:
disc_els_ftb_type3      00000000
0x81582ee4: disc_ftb_type1_match    00000000    0x81582ee8:
disc_els_rsp_ex_port    00000000
0x81582eec: disc_inv_drp_dps        00000000    0x81582ef0:
disc_did_lookup_miss    00000000
0x81582ef4: disc_ftb_type2_match    00000000    0x81582ef8:
disc_trpd_plogi_pdisc   00000000
0x81582efc: disc_type2_lookup_miss  00000000    0x81582f00:
disc_ftb_type6_match    00000000
0x81582f04: disc_els_rep_ex_port    00000000    0x81582f08:
disc_els_sid_lkup_bit1  00000000
0x81582f0c: disc_els_sid_lkup_bit0  00000000    0x81582f10:
disc_bls_frm_trap_bit1  00000000
0x81582f14: disc_ftb_token_err      00000000    0x81582f18:
disc_asic_internal_err  00000000
0x81582f1c: disc_hard_zone_miss     00000000    0x81582f20:
disc_lun_zone_miss      00000000
0x81582f24: disc_flt_frame_disc     00000000    0x81582f28:
disc_flt_parity_err     00000000
0x81582f2c: disc_frame_marked_du    00000000    0x81582f30:
disc_frame_marked_to    00000000
0x81582f34: disc_lkup_rte_prty_err  00000000


portstatsshow 41
stat_wtx                0                   4-byte words transmitted
stat_wrx                0                   4-byte words received
stat_ftx                0                   Frames transmitted
stat_frx                0                   Frames received
stat_c2_frx             0                   Class 2 frames received
stat_c3_frx             0                   Class 3 frames received
stat_lc_rx              0                   Link control frames
received
stat_mc_rx              0                   Multicast frames
received
stat_mc_to              0                   Multicast timeouts
```

```
stat_mc_tx              0                   Multicast frames
transmitted
tim_txcrd_z             0                   Time TX Credit Zero
(2.5Us ticks)
tim_txcrd_z_vc  0- 3:  0           0           0           0
tim_txcrd_z_vc  4- 7:  0           0           0           0
tim_txcrd_z_vc  8-11:  0           0           0           0
tim_txcrd_z_vc 12-15:  0           0           0           0
lat_tot_pkt_vc  0- 3:  1           1           1           1
lat_tot_pkt_vc  4- 7:  1           1           1           1
lat_tot_pkt_vc  8-11:  1           1           1           1
lat_tot_pkt_vc 12-15:  1           1           1           1
lat_hi_time_vc  0- 3:  0           0           0           0
lat_hi_time_vc  4- 7:  0           0           0           0
lat_hi_time_vc  8-11:  0           0           0           0
lat_hi_time_vc 12-15:  0           0           0           0
lat_lo_time_vc  0- 3:  1           1           1           1
lat_lo_time_vc  4- 7:  1           1           1           1
lat_lo_time_vc  8-11:  1           1           1           1
lat_lo_time_vc 12-15:  1           1           1           1
max_latency_vc  0- 3:  1           1           1           1
max_latency_vc  4- 7:  1           1           1           1
max_latency_vc  8-11:  1           1           1           1
max_latency_vc 12-15:  1           1           1           1
latency_dma_ts          09-09-2024 UTC Mon 08:47:24             TXQ
Latency DMA TimeStamp
fec_cor_detected        0                   Count of blocks that
were corrected by FEC
fec_uncor_detected      0                   Count of blocks that
were left uncorrected by FEC
er_enc_in               0                   Encoding errors inside
of frames
er_crc                  0                   Frames with CRC errors
er_trunc                0                   Frames shorter than
minimum
er_toolong              0                   Frames longer than
maximum
er_bad_eof              0                   Frames with bad end-of-
frame
er_enc_out              0                   Encoding error outside
of frames
er_bad_os               0                   Invalid ordered set
er_pcs_blk              0                   PCS block errors
er_rx_c3_timeout        0                   Class 3 receive frames
discarded due to timeout
er_tx_c3_timeout        0                   Class 3 transmit frames
discarded due to timeout
er_unroutable           0                   Frames that are
unroutable
er_unreachable          0                   Frame with unreachable
destination
er_other_discard        0                   Other discards
er_type1_miss           0                   frames with FTB type 1
miss
```

```
er_type2_miss           0                   frames with FTB type 2
miss
er_type6_miss           0                   frames with FTB type 6
miss
er_zone_miss            0                   frames with hard zoning
miss
er_lun_zone_miss        0                   frames with LUN zoning
miss
er_crc_good_eof         0                   Crc error with good eof
er_inv_arb              0                   Invalid ARB
er_single_credit_loss   0                   Single vcrdy/frame loss
on link
er_multi_credit_loss    0                   Multiple vcrdy/frame
loss on link
other_credit_loss       0                   Link timeout/complete
credit loss
phy_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
phy_port stats clear
lgc_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
lgc_port stats clear
fec_corrected_rate      0                   FEC Corrected blocks per
second

portstats64show 41
stat64_wtx      0           top_int : 4-byte words transmitted
                0           bottom_int : 4-byte words transmitted
stat64_wrx      0           top_int : 4-byte words received
                0           bottom_int : 4-byte words received
stat64_ftx      0           top_int : Frames transmitted
                0           bottom_int : Frames transmitted
stat64_frx      0           top_int : Frames received
                0           bottom_int : Frames received
stat64_c2_frx   0           top_int : Class 2 frames received
                0           bottom_int : Class 2 frames received
stat64_c3_frx   0           top_int : Class 3 frames received
                0           bottom_int : Class 3 frames received
stat64_lc_rx    0           top_int : Link control frames received
                0           bottom_int : Link control frames
received
stat64_mc_rx    0           top_int : Multicast frames received
                0           bottom_int : Multicast frames received
stat64_mc_to    0           top_int : Multicast timeouts
                0           bottom_int : Multicast timeouts
stat64_mc_tx    0           top_int : Multicast frames transmitted
                0           bottom_int : Multicast frames
transmitted
tim64_rdy_pri   0           top_int : Time R_RDY high priority
                0           bottom_int : Time R_RDY high priority
tim64_txcrd_z   0           top_int : Time BB_credit zero
                0           bottom_int : Time BB_credit zero
er64_enc_in     0           top_int : Encoding errors inside of
frames
                0           bottom_int : Encoding errors inside of
frames
```

```
er64_crc        0           top_int : Frames with CRC errors
                0           bottom_int : Frames with CRC errors
er64_trunc      0           top_int : Frames shorter than minimum
                0           bottom_int : Frames shorter than minimum
er64_toolong    0           top_int : Frames longer than maximum
                0           bottom_int : Frames longer than maximum
er64_bad_eof    0           top_int : Frames with bad end-of-frame
                0           bottom_int : Frames with bad end-of-
frame
er64_enc_out    0           top_int : Encoding error outside of
frames
                0           bottom_int : Encoding error outside of
frames
er64_disc_c3    0           top_int : Class 3 frames discarded
                0           bottom_int : Class 3 frames discarded
er64_pcs_blk    0           top_int : PCS block errors
                0           bottom_int : PCS block errors
stat64_rateTxFrame      0           Tx frame rate (fr/sec)
stat64_rateRxFrame      0           Rx frame rate (fr/sec)
stat64_rateTxPeakFrame  0           Tx peak frame rate (fr/sec)
stat64_rateRxPeakFrame  0           Rx peak frame rate (fr/sec)
stat64_rateTxWord       0           Tx Word rate (words/sec)
stat64_rateRxWord       0           Rx Word rate (words/sec)
stat64_rateTxPeakWord   0           Tx peak Word rate (words/sec)
stat64_rateRxPeakWord   0           Rx peak Word rate (words/sec)
stat64_PRJTFrames       0           top_int : Number of PRJT frames
returned to this port
                        0           bottom_int : Number of PRJT
frames returned to this port
stat64_PBSYFrames       0           top_int : Number of PBSY frames
returned to this port
                        0           bottom_int : Number of PBSY
frames returned to this port
stat64_inputBuffersFull 0           top_int : Number of occurrences
when all input buffers full
                        0           bottom_int : Number of
occurrences when all input buffers full
stat64_rxClass1Frames   0           top_int : Number of class 1
frames received
                        0           bottom_int : Number of class 1
frames received
stat64_aveTxFrameSize   0           Average Tx Frame size
stat64_aveRxFrameSize   0           Average Rx Frame size
Lr_in           0           top_int
                0           bottom_int
Ols_in          0           top_int
                0           bottom_int
Lr_out          0           top_int
                0           bottom_int
Ols_out         0           top_int
                0           bottom_int
Link_failure    0           top_int
                0           bottom_int
Invalid_CRC     0           top_int
```

```
                0           bottom_int
Invalid_word    0           top_int
                0           bottom_int
Protocol_err    0           top_int
                0           bottom_int
Loss_of_sig     0           top_int
                0           bottom_int
Loss_of_sync    0           top_int
                0           bottom_int
er_bad_os       0           top_int : Invalid ordered set
                0           bottom_int: Invalid ordered set


portrouteshow 41
port address ID: 0x012900
external unicast routing table:
   0: Embedded
 255: Embedded
internal unicast routing table:
   0: Embedded

portcamshow 41
-------------------------------------------------
Port  SID used  DID used  SID entries  DID entries
41     0         0         000000       000000
-------------------------------------------------

ptbufshow, ptcreditshow, ptdatashow, ptstatsshow 41
S:
S:VF Enable:            1
S:
S:C4 Global Variable:
S:-------------------------------------------------------------------
---------
S:trace_stop:           0
S:
S:C4 Phy Data Pointers: c4_phyp = 0xb6ae0000
S:-------------------------------------------------------------------
---------
S:tnodep                        0xbb843540      pt
        0x43028015
S:proto_phyp            0xb880a120      phy_cfg
0xb6ae1040
S:c4_chp                        0x97e28000      c4_lgcp
0x97f9c000
S:c4_phy_regp           0x81ca8000      proc_dir
0xb851b140
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4345678      num_port_timer          12
S:prev_if_id            0x43020015      S:ftx                   0
        tov                     0
S:initialized           1               port_idx                21
S:ui_idx                        41              slot_no
```

```
        0
S:blade_idx             21              sw_usr_ports            400
S:unused                        0               intr_debounced
        0
S:aec_status            0x0             reason_code
        0
S:debug                 0x00000004      debug_trc_line          0
S:rxbuf_list_head       0xffffffff      rxbuf_list_tail
0xffffffff
S:isAePort                      0               port_misc_data
                0
S:num_fault1_rx_disc    0               num_fault2_rx_disc      0
S:p_lli_cause0          0               p_sig_regained          0
S:p_sync_regained               0               enc_out
        0x0
S:cached_fps_status     0               cached_sts_status       0
S:cached_er_crc_good_eof        0
S:cached_er_bad_os      0               cached_er_too_long      0
S:cached_er_trunc       0
cached_tot_er_crc_good_eof      0
S:num_pt_excess_intr    0               num_no_fid              0
S:num_fault1_cnt                0               num_fault2_cnt
        0
S:num_fault_lip         0               num_fault_lli           0
S:num_fault_rx_fifo     0               num_fault_hss           0
S:num_fault_bwait               0               lli_intr_prim
        0
S:num_sw_link_to                0
be_link_err_mon_count           0
S:ecb_enc_enabled               0               ecb_comp_enabled
                0
S:ecb_rsv_enc           0               ecb_rsv_comp            0
S:ecb_enc_bm            0x0             ecb_key_index
0xffffffff
S:fab_idx               0
S:num_be_lto            0               lto_count_reset_intvl
        0
S:lr_count_reset_intvl          0               num_be_lr
        0
S:num_fault_qsfp                0               check_lto
        0
S:credit_loaded         0               num_credit_overrun
        0
S:fec_enabled           0x0             fec_los_to_flag         0x0
S:phy_stats_clear_ts            1725611419      pcs_err_online
        0
S:pcs_err_light_det             0               pcs_err_ignore
        0
S:pcs_blk_err           0               pcs_hiber               0
S:phy_port_status               0               ecb_enc_lr_count
                0
S:dport_mode            0               avoid_lto_det           0
S:sn_debounced          0x0             sn_started_kr_reqd      0
S:major_timer_started   0x0             ready_bm                0x0
```

```
S:parln_1_bm            0x0             parln_0_bm              0x0
S:be_los_of_sync_event_intvl            0
be_los_of_sync_event            0
S:erratePtenable_cntr           0               erratePoll_cntr
        0
S:jda_rx_sig_loss_det           0               jda_rx_sig_loss_cnt
                0
S:encrypt_blk_error             0
S:
S:      c4_trunk
S:=====================================
S:mark_ts               0x0             deskew                  0x0
S:master_phyp           0x0
S:
S:adelay[00]: 0x00000000 0x00000000 0x00000000 0x00000000
S:adelay[04]: 0x00000000 0x00000000 0x00000000 0x00000000
S:
S:      c4_buf
S:=====================================
S:tx_csc                        0               rx_csc
        0
S:ld_vc_credits         0               tx_flag                 0x0
S:alloc_buffers         0               req_buffers             0
S:est_buffers           20              ld_use_est              0
S:bb_sc_n                       0               rx_bb_sc_n
        0
S:data_cr                       5               nondata_cr
        6
S:cr_enable             0
S:ld_nondata_cr         6               tnodep
0xbb843620
S:tx_credits[0] 0    0    0    0    0    0    0    0
S:tx_credits[8] 0    0    0    0    0    0    0    0
S:tx_credits[16]        0    0    0    0    0    0    0    0
S:tx_credits[24]        0    0    0    0    0    0    0    0
S:tx_credits[32]        0    0    0    0    0    0    0    0
S:rx_credits[0] 0    0    0    0    0    0    0    0
S:rx_credits[8] 0    0    0    0    0    0    0    0
S:rx_credits[16]        0    0    0    0    0    0    0    0
S:rx_credits[24]        0    0    0    0    0    0    0    0
S:rx_credits[32]        0    0    0    0    0    0    0    0
S:tx_mbc[0]     0    0    0    0    0    0    0    0
S:tx_mbc[8]     0    0    0    0    0    0    0    0
S:tx_mbc[16]    0    0    0    0    0    0    0    0
S:tx_mbc[24]    0    0    0    0    0    0    0    0
S:tx_mbc[32]    0    0    0    0    0    0    0    0
S:rx_mbc[0]     0    0    0    0    0    0    0    0
S:rx_mbc[8]     0    0    0    0    0    0    0    0
S:rx_mbc[16]    0    0    0    0    0    0    0    0
S:rx_mbc[24]    0    0    0    0    0    0    0    0
S:rx_mbc[32]    0    0    0    0    0    0    0    0
S:
S:C4 Chip Variables: c4_phyp->c4_chp = 0x97e28000
S:-------------------------------------------------------------------
```

```
---------
S:version = 2.1
S:magic_id              0xc4234567      init_state              0x8
S:reset_reg_mem         0x1
S:ch_int0_en_bm         0x0             intr0_cause             0x0
S:ch_int1_en_bm         0x0             intr1_cause             0x0
S:ch_int2_en_bm         0x0             intr2_cause             0x0
S:ch                    0x43010080      ch_cfg
0xb7013ba0
S:raslog_hndl.hndl      0x0             obj_halted              0x0
S:c4_chip_regp          0x80000000      c4_fpg_regp
0x81800000
S:num_chip_timer        0x5
S:hi_task_bm            0x0             lo_task_bm              0x0
S:c4_deferq.q_head      0x0             c4_deferq.q_tail        0x0
S:c4_tmrq.q_head        0x0             c4_tmrq.q_tail          0x0
slot_no                 0
S:chip_inst             0               chip_idx                0
S:pll_initialized               1
pll_serdes_initialized  1
S:init_tries            0               init_ptEnableBM
0xba01b488
S:tick_polling          0xb980c9c0      sec_polling
0xb980c960
S:bb_fid                        129
S:ecb_key_bm[0]         0x0             ecb_key_bm[1]           0x0
S:ecb_key_bm[2]         0x0             ecb_key_bm[3]           0x0
S:is_chip_enc_enabled                   0
is_chip_comp_enabled    0x0
S:ftb_rsrcp->ftb_flags  0x0             act_rsrcp->act_flag     0x1
S:lue_rsrcp->lue_flags[0]       0x0             lue_rsrcp-
>lue_flags[1]   0x0
S:c4_phyp[00]: 0xb6ab0000 0xb6ab2080 0xb6ab4100 0xb6ab6180
S:c4_phyp[04]: 0xb6ab9040 0xb6abb0c0 0xb6abd140 0xb6ac0000
S:c4_phyp[08]: 0xb6ac2080 0xb6ac4100 0xb6ac6180 0xb6ac9040
S:c4_phyp[12]: 0xb6acb0c0 0xb6acd140 0xb6ad0000 0xb6ad2080
S:c4_phyp[16]: 0xb6ad4100 0xb6ad6180 0xb6ad9040 0xb6adb0c0
S:c4_phyp[20]: 0xb6add140 0xb6ae0000 0xb6ae2080 0xb6ae4100
S:c4_phyp[24]: 0xb6ae6180 0xb6ae9040 0xb6aeb0c0 0xb6aed140
S:c4_phyp[28]: 0xb6af0000 0xb6af2080 0xb6af4100 0xb6af6180
S:c4_phyp[32]: 0xb6af9040 0xb6afb0c0 0xb6afd140 0xb6b00000
S:c4_phyp[36]: 0xb6b02080 0xb6b04100 0xb6b06180 0xb6b09040
S:c4_phyp[40]: 0xb6b0b0c0 0xb6b0d140 0xb6b10000 0xb6b12080
S:c4_phyp[44]: 0xb6b14100 0xb6b16180 0xb6b19040 0xb6b1b0c0
S:c4_phyp[48]: 0xb6b1d140 0xb6b20000 0xb6b22080 0xb6b24100
S:c4_phyp[52]: 0xb6b26180 0xb6b29040 0xb6b2b0c0 0xb6b2d140
S:c4_phyp[56]: 0xb6b30000 0xb6b32080 0xb6b34100 0xb6b36180
S:c4_phyp[60]: 0xb6b39040 0xb6b3b0c0 0xb6b3d140 0xb6b40000
S:c4_lgcp[00]: 0x97f48000 0x97f4c000 0x97f50000 0x97f54000
S:c4_lgcp[04]: 0x97f58000 0x97f5c000 0x97f60000 0x97f64000
S:c4_lgcp[08]: 0x97f68000 0x97f6c000 0x97f70000 0x97f74000
S:c4_lgcp[12]: 0x97f78000 0x97f7c000 0x97f80000 0x97f84000
S:c4_lgcp[16]: 0x97f88000 0x97f8c000 0x97f90000 0x97f94000
S:c4_lgcp[20]: 0x97f98000 0x97f9c000 0x97fa0000 0x97fa4000
```

```
S:c4_lgcp[24]: 0x97fa8000 0x97fac000 0x97fb0000 0x97fb4000
S:c4_lgcp[28]: 0x97fb8000 0x97fbc000 0x97fc0000 0x97fc4000
S:c4_lgcp[32]: 0x97fc8000 0x97fcc000 0x97fd0000 0x97fd4000
S:c4_lgcp[36]: 0x97fd8000 0x97fdc000 0x97fe0000 0x97fe4000
S:c4_lgcp[40]: 0x97fe8000 0x97fec000 0x97ff0000 0x97ff4000
S:c4_lgcp[44]: 0x97ff8000 0x97ffc000 0x8e000000 0x8e004000
S:c4_lgcp[48]: 0x8e008000 0x8e00c000 0x8e010000 0x8e014000
S:c4_lgcp[52]: 0x8e018000 0x8e01c000 0x8e020000 0x8e024000
S:c4_lgcp[56]: 0x8e028000 0x8e02c000 0x8e030000 0x8e034000
S:c4_lgcp[60]: 0x8e038000 0x8e03c000 0x8e040000 0x8e044000
S:chip_timers[00]: 0xb980c720 0xb980c780 0xb980c7e0 0xb980c840
S:chip_timers[04]: 0xb980c8a0 0xb980c900
S:disc_trap_enable_required     0x0             rxlp_disc_log_stop
        0x0
S:curr_rxlp_frm_cnt     0x0             curr_rxlp_disc_frm_cnt  0x0
S:sw_disc_frm_cnt       0x0             last_disc_frm_cnt       0x0
S:txq_nopop_pr_cnt      0x0             pollErrataDfe_ptBM
0xba01b4b0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][0]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][1]  0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][2]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][0] 0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][1]       0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][2] 0x0
S:
S:C4 Logical Port Variables
S:-----------------------------------------------------------------
---------
S:c4_lgc_regp           0x81ca8000
S:c4_phyp:
S:      0xb6ae0000      0x0             0x0             0x0

S:      0x0             0x0             0x0             0x0

S:master_phyp           0xb6ae0000      if_id
0x43020015
S:min_phyp              0x0             max_phyp                0x0
S:num_phy_ports         1               lgc_num                 21
S:num_iu_to             0               sw_txq_bm
        0
S:port_fid              128             unused                  0
S:port_group            2               lgc_stats_clear_ts
                1725611419
S:domain_tbl_sel                0               area_tbl_sel
        0
S:egid_tbl_sel          0
S:serv_lo_bm            0x0
S:
S:Proto Phy Variables:
S:-----------------------------------------------------------------
---------
S:magic_id              0xc4123456      asic_phyp
0xb6ae0000
S:port_id                       0x43028015      phy_cfg
```

```
        0xb6ae1040
S:upsm_hdl              0xb80166e0      physm_hdl
0xb8016460
S:ov_snsm_hdl           0xb8016320      sw_snsm_hdl
0xb80163c0
S:ov_lksm_hdl           0xb8016500      sw_lksm_hdl
0xb80165a0
S:trksm_hdl             0xb8016640      lr_flag         0x0
S:lr_active             0x0             qsfp_txrx_rate_sel
        0x0
S:
S:UPSM      UP00: UPST_PORT_DISABLED    --> UP01:
UPST_START_PORT_INIT
S:SNSM(OV)  SN00: OV_SNST_STOPPED       --> SN00: OV_SNST_STOPPED
S:SNSM(SW)  SW00: SW_SNST_STAGE_WS      --> SW00: SW_SNST_STAGE_WS
S:PHYSM     UNKNOWN     --> PP03: PHYST_NO_SIGNAL
S:LKSM(OV)  LK00: OV_LKST_INACTIVE      --> LK00: OV_LKST_INACTIVE
S:LKSM(SW)  SW13: INACTIVE              --> SW13: INACTIVE
S:TRKSM     TRK0: TRKST_INIT            --> TRK0: TRKST_INIT
S:
S:physm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb880a120      physm_hdl
0xb8016460
S:force_offline         0               copper                  0
S:fault_reason          0: UNKNOWN
S:phy_media_present             1
S:
S:snsm variables:
S:-------------------------------------------------------------------
---------
S:speed                 0xff            proto_phyp
0xb880a120
S:hw_sn_tries_left      0x0             sw_sn_tries_left        0x0
S:curr_txsp_count               0x0
S:tx_max                        0x0             curr_tx_indx
        0x0
S:curr_tx                       0x0             curr_rxsp_count
        0x0
S:rx_max                        0x0             curr_rx_indx
        0x0
S:curr_rx                       0x0             rx_mem
        0x0
S:rxsp_rec_count                0x0
S:nc_start              0x0             tx_start                0x0
S:sync_start            0x0             sync_present            0x0
S:diag_auto             0x0             diag_speed              0xff
S:striped_wd_tov                3000            hw_wd_tov
        3000
S:step                  0x0             qsfp28_speed_mode
        0x0
S:qsfp_mode0_hw_sn_tries_left           0x0
S:qsfp_mode1_hw_sn_tries_left           0x0
```

```
S:
S:lksm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb880a120      ov_lksm_hdl
0xb8016500
sw_lksm_hdl             0xb80165a0
num_lf1                 0
S:hw_link_tries_left    0               sw_link_tries_left      0
S:buf_ptype             0x0             stored_entry_state      0x6
S:handshake_owner               0x0             mark_unsent
        0x0
S:busybuf_stuck         0x0             lr_wait                 0x0
S:
S:trksm variables:
S:-------------------------------------------------------------------
---------
S:Not a trunk port
S:
S:upsm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb880a120      upsm_hdl
0xb80166e0
S:bb_credits            0               port_beacon             0
S:port_diag_flag                0               force_offline
        0
S:port_fault_rsn                0: PORT_NO_FAULT
S:retry_init_rsn                0: UNKNOWN
S:linit_reason          0               linit_result            0
S:ie_fctl_mode          0               fec_in_sync_tries_left  0
S:retry_sn_fail_init    0
retry_link_fail_init    0
S:excess_lr_count       0
S:
S:c4_ch_cfg
S:-------------------------------------------------------------------
---------
S:c4_desc_ring_size     256      292      256      256      292
292      2        292      292
S:thresh_def            0        16       1        0
S:intr_tries            500             cmem_pattern
0xdeadbeef
S:cmem_pattern_upwd     2               cmem_init_time          16
S:cmem_init_tries               5
S:ctrl_par_thresh               2               data_par_thresh
        4
S:cam_par_thresh                4               buf_loss_thresh
        12
S:crit_par_thresh               2               non_crit_par_thresh
        6
S:pci_abort_thresh      10              pci_err_thresh          5
S:excess_chintr_thresh  8               sw_err_thresh           20
S:err_sample_period     300             intr_sleep
```

```
20000
S:frame_timeout 2500            proxy_dev               16384
S:vf_route      81920           qos             2048
S:stats 2048            f_redirect              2048
S:rsp_trap      2048            lun_zoning              20480
S:area_mode     0               ftb_max_loop[0]         0
S:ftb_max_loop[1]       6               ftb_max_loop[2]         9
S:ftb_max_loop[3]       10              ftb_max_loop[4]         10
S:ftb_max_loop[5]       5               ftb_max_loop[6]         6
S:ftb_seg_size[0]       0               ftb_seg_size[1]
16384
S:ftb_seg_size[2]       65536           ftb_seg_size[3]
16384
S:ftb_seg_size[4]       16384           ftb_seg_size[5]
65536
S:ftb_seg_size[6]       16384           ftb_seg_base[0]         0
S:ftb_seg_base[1]       0               ftb_seg_base[2]
65536
S:ftb_seg_base[3]       16384           ftb_seg_base[4]
32768
S:ftb_seg_base[5]       131072          ftb_seg_base[6]
49152
asic_err_monitor_period1                300
asic_err_monitor_period2                86400
zone_chk_to_poll_period 25
zone_chk_class2_reject_tov              220
S:
S:c4_phy_cfg
S:-------------------------------------------------------------------
---------
S:version = 2.1
S:pt                    0x43028015      fab_ptr
0x9a800000
S:fabattr                       0x9a8000d4      fab_iop
        0x9a800050
S:cfgbm                 0xbb843384      port_ctrl
0xb6ae1058
S:pcap.pcap_bm          0x8d215547      pcap.pcap2_bm
0x588289
S:pcap.pcap3_bm         0x1bebe0c
ui_idx                  41              S:slot_no
        0
is_icl                  0               S:sw_usr_ports          400
S:neg_speed             0 0 0 0 0 0
S:my_domain             0x1             port_mode               0x0
S:hw_sn_maxtries                100             sw_sn_maxtries
        0
S:hw_link_maxtries      10              sw_link_maxtries        5
S:rx_cyc_tov            28              rttov                   300
S:bufrdy_tov            300             busybuf_tov             286
S:mark_tov              300             lksm_tov                3000
S:buf_dealloc_wait      4               hw_wd_tov               3000
S:hw_lk_train_tov               540             hw_lk_test_tov
        150
```

```
S:syswait_tx_12_lips    1               lip_rx_tov              55
S:al_time_tov           15              lp_tov                  2000
S:intr_tries_port               500             intr_mod_debounce
        250
S:intr_lsr_flt_debounce 500             intr_efifo_debounce     100
S:port_no_fid           3               excess_ptintr_thresh    8
S:port_fault1_thresh    100             port_fault1_spur_thresh 250
S:port_fault1_disc_thresh       500
port_fault1_disc_spur_thresh    1000
S:port_fault2_thresh    5               losync_tov              100
S:port_sw_link_to               15              en_8g_scramble
        1
frc_hw_sn_mode          0x1
S:enc_poll_thresh               0               fec_enable
        0
S:fec_in_sync_to                50              fec_in_sync_try_max
        4
S:port_be_lto_threshold         100             port_be_lr_threshold
                2
S:be_cr_in_sync_to              5
port_credit_overrun_thresh              10
S:jda_sfp_losig_tov             400
jda_sfp_losig_try_max           30
S:striped_wd_tov                3000
no_sync_debounce                1200
S:
S:      fab_iop
S:=====================================
S:fab_iop->interop_mode 0x0             fab_iop->lab_mode       0x0
S:fab_iop->fl_bbc               0x0             fab_iop->fl_fan
        0x0
S:fab_iop->fl_cls               0x4             fab_iop->fl_rscn
        0x0
S:fab_iop->domain_id_offset     0x60            fab_iop-
>mcdt_fabric_mode       0x0
S:fab_iop->mcdt_default_zone            0x0             fab_iop-
>mcdt_safe_zone         0x0
S:
S:      port_ctrl
S:=====================================
S:port_ctrl.port_type   1               port_ctrl.port_grp      2
S:port_ctrl.port_number 41              port_ctrl.vc_mode       1
S:
S:      port_ctrl.lcap
S:=====================================
S:has_serdes            0               has_media               1
S:topology              1               skip_nego               0
S:skip_pnego            0               skip_init_event         0
S:en_shim                       0               speed_neg
        1
S:loop_back             0               num_speeds              5
S:fec_enable            0
S:
S:      port_ctrl.speed_list array
```

```
S:=======================================
S:speed_list[0].auto_neg  1     speed_list[0].lnk_speed  0x0000000a
S:speed_list[1].auto_neg  1     speed_list[1].lnk_speed  0x00000008
S:speed_list[2].auto_neg  0     speed_list[2].lnk_speed  0x00000006
S:speed_list[3].auto_neg  1     speed_list[3].lnk_speed  0x00000005
S:speed_list[4].auto_neg  0     speed_list[4].lnk_speed  0x00000003
S:speed_list[5].auto_neg  0     speed_list[5].lnk_speed  0x00000000
S:
S:      port_ctrl.cm
S:=======================================
S:port_ctrl.cm.num_vcs          8
S:port_ctrl.cm.min_bufs         8
S:port_ctrl.cm.cr_shar_bufs     0
S:port_ctrl.vc_alloc
S:port_ctrl.vc_alloc            2 0 1 1 1 1 1 1
S:port_ctrl.vc_alloc            0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.norm_vc_alloc
S:port_ctrl.norm_vc_alloc       4 0 5 5 5 5 1 1
S:port_ctrl.norm_vc_alloc       0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.cm.skip_bb_credit           0
S:port_ctrl.cm.use_shim_based_sublist           0
S:
S:      port_ctrl.serdes_set
S:=======================================
S:serdes_type           0x8
S:serdes_data_t.ibm_hss_serdes.tx_drive_power           0x1
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b_sign      0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_a           0x0
S:serdes_data_t.ibm_hss_serdes.rxeq                     0x0
S:
S:      cfgbm
S:=======================================
S:old_distance          0x0             gport_lockdown          0x0
S:tport                 0x1             speed                   0x0
S:disable_eport         0x0             fcacc                   0x0
S:lport_lockdown                0x0             priv_lport_lockdown
        0x0
S:vcxlt_linit           0x0             delay_flogi             0x0
S:isl_interop           0x0             distance                0x0
S:BufStarvFlag          0x0             credit_sharing          0x0
S:lport_halfduplex      0x0             lport_fairness          0x0
S:soft_neg              0x0             asn_frc_hwretry         0x0
S:cr_recov              0x0             fport_buffers           0x0
S:export                        0x0             export_mode
        0x0
S:csctl_en              0x0             mirror_port             0x0
S:fault_delay           0x0             non_dfe                 0x0
S:fec_configured*(0=ENAB)       0               fec_tts
        0
S:port_persistently_disabled (permanently) 0 (0)
S:
```

```
S:      cfg property
S:=====================================
S:priv_pcfg_bm          0x00000000      lgcl_pcfg_bm
0xbb8433c4
S:fport_buffer          0x00000000
S:
S:
S:C4 Discard Cntrs: rxlp_stats = 0xb6ae03b0
S:-------------------------------------------------------------------
---------
S:disc_mcast_wka        0x0             disc_inv_did            0x0
S:disc_cl1_cl4          0x0             disc_sid_chk_fail       0x0
S:disc_inv_dom_egid_txpt        0x0             disc_vft_hop_cnt_1
        0x0
S:disc_classf           0x0             disc_fcp_cdb_inv        0x0
S:disc_vfid_trap_enabled        0x0
disc_vfid_hdr_chk_fail  0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_ftb_vm_mode      0x0             disc_ftb_agn_t2_miss    0x0
S:disc_ecb_de_pad_err   0x0             disc_ecb_de_tag_err     0x0
S:disc_ecb_de_seq_err   0x0             disc_ecb_err            0x0
S:disc_ftb_type4_match  0x0             disc_fcp_rsp_ftb_type4  0x0
S:disc_fcp_rsp_ftb_type4        0x0             disc_ftb_type5_match
        0x0
S:disc_ftb_type3_match  0x0             disc_els_ftb_type3      0x0
S:disc_ftb_type1_match  0x0             disc_els_rsp_ex_port    0x0
S:disc_inv_drp_dps      0x0             disc_did_lookup_miss    0x0
S:disc_ftb_type2_match  0x0             disc_trpd_plogi_pdisc   0x0
S:disc_type2_lookup_miss        0x0             disc_ftb_type6_match
        0x0
S:disc_els_rep_ex_port  0x0             disc_els_sid_lkup_bit1  0x0
S:disc_els_sid_lkup_bit0        0x0
disc_bls_frm_trap_bit1  0x0
S:disc_ftb_token_err    0x0             disc_asic_internal_err  0x0
S:disc_hard_zone_miss   0x0             disc_lun_zone_miss      0x0
S:disc_flt_frame_disc   0x0             disc_flt_parity_err     0x0
S:disc_frame_marked_du  0x0             disc_frame_marked_to    0x0
E:Connection type: FE
E:Port type: F_port
E:Trunk port: No
E:Configured Speed: AUTO_SPEED_NEGO
E:Max Capable Speed: 32G
E:Current SNSM Speed: UNDEFINED
E:Hardware TX Speed: 32G (0x00000004)
E:Hardware RX Speed: 32G (0x00000040)
E:
E:Interrupts:   0           Link_failure:       0
Loss_of_sync:   0           Loss_of_sig:        0
E:Lli:          0           Invalid_word:       0
E:trapped_frm:  0           fwd_status_ok:      0
E:fwd_timeout:  0           fwd_tx_unavail:     0
E:fwd_unroutable:       0           fwd_zone_out:       0
E:fwd_other_err:        0           frm_err_discard:    0
```

```
E:Fltr listA:   0           Fltr listB:         0
E:Zone trap fwd:        0           Zone trap disc:     0
E:shim_csum:    0           RTE_perr:           0
E:Invalid_crc:  0           Delim_err:          0
E:Protocol_err: 0
E:Lr_in:        0           Lr_out:             0
E:Ols_in:       0           Ols_out:            0


filterportshow 41

                FILTER DATA
                ___________
Shadow settings:
   Filter Enable: 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass: 0x00000000
Real settings:
   Enable RAM: 0x00000000, 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
```

```
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass RAM: 0x00000000

Shadowed filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        c4_fldenable[0] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[0] = 0x00000000,c4_fltr_config[0] = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        c4_fldenable[1] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[1] = 0x00000000,c4_fltr_config[1] = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        c4_fldenable[2] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[2] = 0x00000000,c4_fltr_config[2] = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        c4_fldenable[3] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[3] = 0x00000000,c4_fltr_config[3] = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        c4_fldenable[4] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[4] = 0x00000000,c4_fltr_config[4] = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        c4_fldenable[5] = 0x00000000 0x00000000 0x00000000
```

```
0x00000000
        c4_fldnegate[5] = 0x00000000,c4_fltr_config[5] = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        c4_fldenable[6] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[6] = 0x00000000,c4_fltr_config[6] = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        c4_fldenable[7] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[7] = 0x00000000,c4_fltr_config[7] = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        c4_fldenable[8] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[8] = 0x00000000,c4_fltr_config[8] = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        c4_fldenable[9] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[9] = 0x00000000,c4_fltr_config[9] = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        c4_fldenable[10] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[10] = 0x00000000,c4_fltr_config[10] =
0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        c4_fldenable[11] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[11] = 0x00000000,c4_fltr_config[11] =
0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        c4_fldenable[12] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[12] = 0x00000000,c4_fltr_config[12] =
0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        c4_fldenable[13] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[13] = 0x00000000,c4_fltr_config[13] =
0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        c4_fldenable[14] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[14] = 0x00000000,c4_fltr_config[14] =
0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        c4_fldenable[15] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[15] = 0x00000000,c4_fltr_config[15] =
0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        c4_fldenable[16] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[16] = 0x00000000,c4_fltr_config[16] =
0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
```

```
        c4_fldenable[17] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[17] = 0x00000000,c4_fltr_config[17] =
0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        c4_fldenable[18] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[18] = 0x00000000,c4_fltr_config[18] =
0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        c4_fldenable[19] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[19] = 0x00000000,c4_fltr_config[19] =
0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        c4_fldenable[20] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[20] = 0x00000000,c4_fltr_config[20] =
0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        c4_fldenable[21] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[21] = 0x00000000,c4_fltr_config[21] =
0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        c4_fldenable[22] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[22] = 0x00000000,c4_fltr_config[22] =
0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        c4_fldenable[23] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[23] = 0x00000000,c4_fltr_config[23] =
0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        c4_fldenable[24] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[24] = 0x00000000,c4_fltr_config[24] =
0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        c4_fldenable[25] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[25] = 0x00000000,c4_fltr_config[25] =
0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        c4_fldenable[26] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[26] = 0x00000000,c4_fltr_config[26] =
0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        c4_fldenable[27] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[27] = 0x00000000,c4_fltr_config[27] =
0x00000000
```

```
Filter 28: Not Installed (OPM1)(LISTA)
        c4_fldenable[28] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[28] = 0x00000000,c4_fltr_config[28] =
0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        c4_fldenable[29] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[29] = 0x00000000,c4_fltr_config[29] =
0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        c4_fldenable[30] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[30] = 0x00000000,c4_fltr_config[30] =
0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        c4_fldenable[31] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[31] = 0x00000000,c4_fltr_config[31] =
0x00000000


Real filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
```

```
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
```

```
Filter 21: Not Installed (PERF6)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000

Filter dirty indicator: 0x00000000
Performance filters: 0
Port Mirror filters: 0 (0x0)


                FIELD DATA
                ----------

Shadowed fields:
```

```
fldoffset[0] = 0x00,fldmask[0] = 0x00,fldvalue_dyna[0]:0x00 0x00
0x00 0x00
fldcontrol[0].inuse = 0x0  fldcontrol[0].refcnt = 0x00 0x00 0x00
0x00
fldoffset[1] = 0x00,fldmask[1] = 0x00,fldvalue_dyna[1]:0x00 0x00
0x00 0x00
fldcontrol[1].inuse = 0x0  fldcontrol[1].refcnt = 0x00 0x00 0x00
0x00
fldoffset[2] = 0x00,fldmask[2] = 0x00,fldvalue_dyna[2]:0x00 0x00
0x00 0x00
fldcontrol[2].inuse = 0x0  fldcontrol[2].refcnt = 0x00 0x00 0x00
0x00
fldoffset[3] = 0x00,fldmask[3] = 0x00,fldvalue_dyna[3]:0x00 0x00
0x00 0x00
fldcontrol[3].inuse = 0x0  fldcontrol[3].refcnt = 0x00 0x00 0x00
0x00
fldoffset[4] = 0x00,fldmask[4] = 0x00,fldvalue_dyna[4]:0x00 0x00
0x00 0x00
fldcontrol[4].inuse = 0x0  fldcontrol[4].refcnt = 0x00 0x00 0x00
0x00
fldoffset[5] = 0x00,fldmask[5] = 0x00,fldvalue_dyna[5]:0x00 0x00
0x00 0x00
fldcontrol[5].inuse = 0x0  fldcontrol[5].refcnt = 0x00 0x00 0x00
0x00
fldoffset[6] = 0x00,fldmask[6] = 0x00,fldvalue_dyna[6]:0x00 0x00
0x00 0x00
fldcontrol[6].inuse = 0x0  fldcontrol[6].refcnt = 0x00 0x00 0x00
0x00
fldoffset[7] = 0x00,fldmask[7] = 0x00,fldvalue_dyna[7]:0x00 0x00
0x00 0x00
fldcontrol[7].inuse = 0x0  fldcontrol[7].refcnt = 0x00 0x00 0x00
0x00
fldoffset[8] = 0x00,fldmask[8] = 0x00,fldvalue_dyna[8]:0x00 0x00
0x00 0x00
fldcontrol[8].inuse = 0x0  fldcontrol[8].refcnt = 0x00 0x00 0x00
0x00
fldoffset[9] = 0x00,fldmask[9] = 0x00,fldvalue_dyna[9]:0x00 0x00
0x00 0x00
fldcontrol[9].inuse = 0x0  fldcontrol[9].refcnt = 0x00 0x00 0x00
0x00
fldoffset[10] = 0x00,fldmask[10] = 0x00,fldvalue_dyna[10]:0x00 0x00
0x00 0x00
fldcontrol[10].inuse = 0x0  fldcontrol[10].refcnt = 0x00 0x00 0x00
0x00
fldoffset[11] = 0x00,fldmask[11] = 0x00,fldvalue_dyna[11]:0x00 0x00
0x00 0x00
fldcontrol[11].inuse = 0x0  fldcontrol[11].refcnt = 0x00 0x00 0x00
0x00
fldoffset[12] = 0x00,fldmask[12] = 0x00,fldvalue_dyna[12]:0x00 0x00
0x00 0x00
fldcontrol[12].inuse = 0x0  fldcontrol[12].refcnt = 0x00 0x00 0x00
0x00
fldoffset[13] = 0x00,fldmask[13] = 0x00,fldvalue_dyna[13]:0x00 0x00
```

```
0x00 0x00
fldcontrol[13].inuse = 0x0  fldcontrol[13].refcnt = 0x00 0x00 0x00
0x00
fldoffset[14] = 0x00,fldmask[14] = 0x00,fldvalue_dyna[14]:0x00 0x00
0x00 0x00
fldcontrol[14].inuse = 0x0  fldcontrol[14].refcnt = 0x00 0x00 0x00
0x00
fldoffset[15] = 0x00,fldmask[15] = 0x00,fldvalue_dyna[15]:0x00 0x00
0x00 0x00
fldcontrol[15].inuse = 0x0  fldcontrol[15].refcnt = 0x00 0x00 0x00
0x00
fldoffset[16] = 0x00,fldmask[16] = 0x00,fldvalue_dyna[16]:0x00 0x00
0x00 0x00
fldcontrol[16].inuse = 0x0  fldcontrol[16].refcnt = 0x00 0x00 0x00
0x00
fldoffset[17] = 0x00,fldmask[17] = 0x00,fldvalue_dyna[17]:0x00 0x00
0x00 0x00
fldcontrol[17].inuse = 0x0  fldcontrol[17].refcnt = 0x00 0x00 0x00
0x00
fldoffset[18] = 0x00,fldmask[18] = 0x00,fldvalue_dyna[18]:0x00 0x00
0x00 0x00
fldcontrol[18].inuse = 0x0  fldcontrol[18].refcnt = 0x00 0x00 0x00
0x00
fldoffset[19] = 0x00,fldmask[19] = 0x00,fldvalue_dyna[19]:0x00 0x00
0x00 0x00
fldcontrol[19].inuse = 0x0  fldcontrol[19].refcnt = 0x00 0x00 0x00
0x00

Real fields:

fldoffset RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fldmask RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fld value4 RAM:
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
```

```
0x00000000
Field dirty indicator: 0x00000000

FDB reference count fdb: 0 [0 0 0 0 ]
FDB reference count fdb: 1 [0 0 0 0 ]
FDB reference count fdb: 2 [0 0 0 0 ]
FDB reference count fdb: 3 [0 0 0 0 ]
FDB reference count fdb: 4 [0 0 0 0 ]
FDB reference count fdb: 5 [0 0 0 0 ]
FDB reference count fdb: 6 [0 0 0 0 ]
FDB reference count fdb: 7 [0 0 0 0 ]
FDB reference count fdb: 8 [0 0 0 0 ]
FDB reference count fdb: 9 [0 0 0 0 ]
FDB reference count fdb: 10 [0 0 0 0 ]
FDB reference count fdb: 11 [0 0 0 0 ]
FDB reference count fdb: 12 [0 0 0 0 ]
FDB reference count fdb: 13 [0 0 0 0 ]
FDB reference count fdb: 14 [0 0 0 0 ]
FDB reference count fdb: 15 [0 0 0 0 ]
FDB reference count fdb: 16 [0 0 0 0 ]
FDB reference count fdb: 17 [0 0 0 0 ]
FDB reference count fdb: 18 [0 0 0 0 ]
FDB reference count fdb: 19 [0 0 0 0 ]

Filter counters:
   Filter counter 0: 0  (MIRROR1)
   Filter counter 1: 0  (MIRROR2)
   Filter counter 2: 0  (MIRROR3)
   Filter counter 3: 0  (MIRROR4)
   Filter counter 4: 0  (AEPORT_NON_MIRR_DROP)
   Filter counter 5: 0  (ZONING TRAP)
   Filter counter 6: 0  (FCR_EXPORT_DC)
   Filter counter 7: 0  (TIN TRAP)
   Filter counter 8: 0  (FICON CUP)
   Filter counter 9: 0  (FICON CUP DST)
   Filter counter 10: 0 (WELL KNOWN ADDR)
   Filter counter 11: 0 (SIM)
   Filter counter 12: 0 (UNUSED)
   Filter counter 13: 0 (UNUSED)
   Filter counter 14: 0 (UNUSED)
   Filter counter 15: 0 (UNUSED)
   Filter counter 16: 0 (PERF1)
   Filter counter 17: 0 (PERF2)
   Filter counter 18: 0 (PERF3)
   Filter counter 19: 0 (PERF4)
   Filter counter 20: 0 (PERF5)
   Filter counter 21: 0 (PERF6)
   Filter counter 22: 0 (PERF7)
   Filter counter 23: 0 (PERF8)
   Filter counter 24: 0 (PERF9)
   Filter counter 25: 0 (PERF10)
   Filter counter 26: 0 (PERF11)
   Filter counter 27: 0 (PERF12)
   Filter counter 28: 0 (OPM1)
```

```
   Filter counter 29: 0 (OPM2)
   Filter counter 30: 0 (IPM1)
   Filter counter 31: 0 (IPM2)

               ACL DATA
               ________
Logical port 21: Hard Zoning disabled, Soft Zoning disabled
Zone type: WWN Zoning
Frames with hard zone miss: 0

*** Please use filterportshow on user port 56 to display ACL hash
tables and Mirroring resources of thischip.
 ***We show this data only for the first physical port which is an
exernal port.

portFcPortCmdShow --slot 0 42 3
doing portFcPortCmdShow: arg1 = 3, arg2 = -2

portshow 42
portDisableReason: None
portCFlags: 0x1
portFlags: 0x1   PRESENT U_PORT
LocalSwcFlags: 0x0
portType:  26.0
POD Port: Port is licensed
portState: 2    Offline
Protocol: FC
portPhys:  4    No_Light        portScn:   2    Offline
port generation number:    0
state transition count:    1

portId:    012a00
portIfId:    43020012
portWwn:   20:2a:d8:1f:cc:2c:99:90
portWwn of device(s) connected:
16b Area list:
Distance:  normal
portSpeed: N32Gbps

FEC: Inactive
Credit Recovery: Inactive
LE domain: 0
Peer beacon: Off
FC Fastwrite: OFF
Interrupts:        0          Link_failure: 0          Frjt:
0
Unknown:           0          Loss_of_sync: 0          Fbsy:
0
Lli:               0          Loss_of_sig:  0
Proc_rqrd:         0          Protocol_err: 0
Timed_out:         0          Invalid_word: 0
Tx_unavail:        0          Invalid_crc:  0
Delim_err:         0          Address_err:  0
Lr_in:             0          Ols_in:       0
```

```
Lr_out:            0          Ols_out:      0


portloginshow 42
Type  PID     World Wide Name        credit df_sz cos
=====================================================


portloginshow 42 –history
 Type  PID      World Wide Name           logout time
============================================================


portregshow 42

LED registers
=============
0x81c92000: c4_led_status           00000000    0x81c92004:
c4_led_ctl              00000000

FPL registers
=============
0x81c90200: fpl_port_config         23298002
0x81c9020c: fpl_port_id_ctl         00000000    0x81c90210:
fpl_port_id_addr        00012a00
0x81c90214: fpl_port_speed          00000004    0x81c9021c:
fpl_lli_ctl             00000100
0x81c90228: fpl_lli_os_ctl          bc94ffff    0x81c9022c:
fpl_lli_send_word       bc95b5b5
0x81c90230: fpl_lli_mark_rx         00000000    0x81c90234:
fpl_lli_rnd_trip_time   00000000
0x81c90238: fpl_lli_ns_status       00130007    0x81c9023c:
fpl_lli_intr_status     00030007
0x81c90244: fpl_lli_def             00100000    0x81c90254:
fpl_lli_intr_enable_clr 001c0000
0x81c90258: fpl_err_intr_status     00000000    0x81c90260:
fpl_err_intr_enable_clr 00000000
0x81c90268: fpl_err_first_error     00000000    0x81c9026c:
fpl_speed_neg_ctl       00000000
0x81c90270: fpl_speed_neg_stat      00000000    0x81c90274:
fpl_softasn_ctl         0000000f
0x81c90278: fpl_link_init_ctl       00000000    0x81c9027c:
fpl_link_init_stat      00000000
0x81c90280: fpl_aec_ctl             001c1060    0x81c90284:
fpl_aec_ctl2            04009f60
0x81c90288: fpl_pcs_ctl             00000170    0x81c9028c:
fpl_fec_ctl             00000424
0x81c90290: fpl_fec_cor             00000000    0x81c90294:
fpl_fec_uncor           00000000
0x81c90298: fpl_hss_link_ctl        0031f040    0x81c9029c:
fpl_afifo_link_ctl      00000a86
0x81c902a0: fpl_echo_lb_ctl         0000028c    0x81c902a4:
fpl_scratch             00000121
0x81c902a8: fpl_debug               00060005    0x81c902ac:
```

```
fpl_misc_debug          00000800
0x00000000: SW_shadow_reg           00000000    0x00000000:
SW_c4_phyp->cfgptr      00030003

per-fpg (per octet) registers
=============================
0x8181382c: fpg_serdes_ctla0        81a37be7    0x81813830:
fpg_serdes_ctla1        81a37be7
0x81813834: fpg_serdes_ctlb0        81a1c3c3    0x81813838:
fpg_serdes_ctlb1        81a1c3c3
0x8181383c: fpg_serdes_xgmii_1ms    00067c28    0x81813840:
fpg_serdes_regtimctl    40e47946
0x81813844: fpg_serdes_asnrsttimctl 00000102

HSS PLL registers
=============================
0x81811400: 00_hssplla_vco_coarse_cal0      00000000    0x81811404:
01_hssplla_vco_coarse_cal1      00000014
0x81811408: 02_hssplla_vco_coarse_cal2      00000000    0x8181140c:
03_hssplla_vco_coarse_cal3      00000000
0x81811410: 04_hssplla_vco_coarse_cal4      00000000    0x81811424:
09_hssplla_power_ctl            00000000
0x81811428: 0A_hssplla_charge_pump_ctl      00000004    0x81811438:
0E_hssplla_pll_misc_ctl         00000000
0x8181143c: 0F_hssplla_pclk_ctl             000000f8    0x81811440:
10_hssplla_eyem_intv_ctl        00000000
0x81811444: 11_hssplla_eyem_intv_lim1       00000000    0x81811448:
12_hssplla_eyem_intv_lim2       00000000
0x8181144c: 13_hssplla_eyem_intv_lim3       00000000    0x81811450:
14_hssplla_eyem_intv_lim4       00000000
0x818114f0: 3C_hssplla_macro_tst_ctl4       00000000    0x818114f4:
3D_hssplla_macro_tst_ctl3       00000000
0x818114f8: 3E_hssplla_macro_tst_ctl2       00000000    0x818114fc:
3F_hssplla_macro_tst_ctl1       00000000
0x81811500: 00_hssp1lb_vco_coarse_cal0      0000000a    0x81811504:
01_hssp1lb_vco_coarse_cal1      00000014
0x81811508: 02_hssp1lb_vco_coarse_cal2      00000000    0x8181150c:
03_hssp1lb_vco_coarse_cal3      00000000
0x81811510: 04_hssp1lb_vco_coarse_cal4      00000000    0x81811524:
09_hssp1lb_power_ctl            00000000
0x81811528: 0A_hssp1lb_charge_pump_ctl      00000004    0x81811538:
0E_hssp1lb_pll_misc_ctl         00000000
0x8181153c: 0F_hssp1lb_pclk_ctl             000000f8    0x81811540:
10_hssp1lb_eyem_intv_ctl        00000000
0x81811544: 11_hssp1lb_eyem_intv_lim1       00000000    0x81811548:
12_hssp1lb_eyem_intv_lim2       00000000
0x8181154c: 13_hssp1lb_eyem_intv_lim3       00000000    0x81811550:
14_hssp1lb_eyem_intv_lim4       00000000
0x818115f0: 3C_hssp1lb_macro_tst_ctl4       00000000    0x818115f4:
3D_hssp1lb_macro_tst_ctl3       00000000
0x818115f8: 3E_hssp1lb_macro_tst_ctl2       00000000    0x818115fc:
3F_hssp1lb_macro_tst_ctl1       00000000

HSS TX registers
```

```
================
0x81810400: 00_hsstx_cfg_mode_PHY           00009f48    0x81810404:
01_hsstx_test_ctl               00000000
0x81810408: 02_hsstx_coeff_ctl_INV          00000000    0x8181040c:
03_hsstx_drv_mode_ctl           00000000
0x81810410: 04_hsstx_drv_ovrd_ctl           00000010    0x81810414:
05_hsstx_dclk_align_ovrd        00000080
0x81810418: 06_hsstx_imp_cal_ovrd           00000c0c    0x8181041c:
07_hsstx_dclk_drift_tol         00000004
0x81810420: 08_hsstx_tap0_coeff_TUNE        00000000    0x81810424:
09_hsstx_tap1_coeff_TUNE        00000003
0x81810428: 0A_hsstx_tap2_coeff_TUNE        00000019    0x8181042c:
0B_hsstx_tap3_coeff_TUNE        00000003
0x81810434: 0D_hsstx_pol_INV                0000000a    0x81810438:
0E_hsstx_ae_cmd                 00000000
0x8181043c: 0F_hsstx_ae_stat                00000000    0x81810440:
10_hsstx_ae_tap0_TUNE           00000000
0x81810444: 11_hsstx_ae_tap1_TUNE           00000000    0x81810448:
12_hsstx_ae_tap2_TUNE           00000028
0x8181044c: 13_hsstx_ae_tap3_TUNE           00000000    0x81810454:
15_hsstx_app_tune               0000120e
0x81810458: 16_hsstx_analog_diag            00000000    0x81810460:
18_hsstx_4x_seg_app             0000aa00
0x81810464: 19_hsstx_2x_seg_app             000000aa    0x81810468:
1A_hsstx_1x_seg_app             0000f5e4
0x8181046c: 1B_hsstx_seg_4x_term_app        0000000f    0x81810470:
1C_hsstx_seg_2x1x_term_app      00000001
0x81810474: 1D_hsstx_tap_sign_app           0000000a    0x81810478:
1E_hsstx_ext_addr_data          00000001
0x8181047c: 1F_hsstx_ext_addr_addr          00000000    0x81810480:
20_hsstx_pat_buf_bytes_1_0      00000000
0x81810484: 21_hsstx_pat_buf_bytes_3_2      00000000    0x81810488:
22_hsstx_pat_buf_bytes_5_4      00000000
0x8181048c: 23_hsstx_pat_buf_bytes_7_6      00000000    0x8181049c:
27_hsstx_8023az_ctl             00000000
0x818104a0: 28_hsstx_dcc_ctl                000060c0    0x818104a4:
29_hsstx_dcc_ovrd               00000000
0x818104a8: 2A_hsstx_dcc_app                00000106    0x818104ac:
2B_hsstx_dcc_timeout            0000ffff
0x818104c0: 30_hsstx_tap_sign_ovrd          00000000    0x818104c8:
32_hsstx_seg_4x_ovrd            00000000
0x818104cc: 33_hsstx_seg_2x_ovrd            00000000    0x818104d0:
34_hsstx_seg_1x_ovrd            00000000
0x818104d8: 36_hsstx_tap_seg_4x_term_ovrd   00000000    0x818104dc:
37_hsstx_tap_seg_2x_term_ovrd   00000000
0x818104e0: 38_hsstx_tap_seg_1x_term_ovrd   00000000    0x818104ec:
3B_hsstx_mac_test_ctl5          00000000
0x818104f0: 3C_hsstx_mac_test_ctl4          00000000    0x818104f4:
3D_hsstx_mac_test_ctl3          00000000
0x818104f8: 3E_hsstx_mac_test_ctl2          00000000    0x818104fc:
3F_hsstx_mac_test_ctl1          000000c6

HSS RX registers
================
```

```
0x81810600: 00_hssrx_cfg_mode_PHY           00009e78    0x81810604:
01_hssrx_test_ctl                 00000000
0x81810608: 02_hssrx_phs_rot_ctl            0000cb80    0x8181060c:
03_hssrx_phs_rot_ofs_ctl          00000610
0x81810610: 04_hssrx_phs_rot_posn1          0000322f    0x81810614:
05_hssrx_phs_rot_posn2            0000001f
0x81810618: 06_hssrx_phs_rot_sta_ofs1       00000103    0x8181061c:
07_hssrx_phs_rot_sta_ofs2         00000000
0x81810620: 08_hssrx_dfe_ctl_PHY            00002002    0x81810624:
09_hssrx_dfe_smpl_snap1           00000000
0x81810628: 0A_hssrx_dfe_smpl_snap2         00008000    0x8181062c:
0B_hssrx_vga_ctl1                 0000400b
0x81810630: 0C_hssrx_vga_ctl2               00007aa0    0x81810634:
0D_hssrx_vga_ctl3                 000009e4
0x81810638: 0E_hssrx_pwr_mgmnt_ctl          0000001f    0x8181063c:
0F_hssrx_iqamp_ctl1               0000001a
0x81810640: 10_hssrx_iqamp_ctl2             00000007    0x81810644:
11_hssrx_dacap_dacan_sel          00000003
0x81810648: 12_hssrx_dacap_dacan            0000ff00    0x8181064c:
13_hssrx_daca_min                 00000000
0x81810650: 14_hssrx_adac_ctl               00000000    0x81810654:
15_hssrx_ac_cp_ctl                000031c3
0x81810658: 16_hssrx_ac_cp_val              00000045    0x8181065c:
17_hssrx_dfe_h1h2h3_lcl_off_ch  00000014
0x81810660: 18_hssrx_dfe_h1h2h3_lcl_off_val 00000000    0x81810664:
19_hssrx_peaked_intg              000000ff
0x81810668: 1A_hssrx_cdr_analog_sw          0000ce00    0x8181066c:
1B_hssrx_peaking_amp_init_c_PHY 00000000
0x81810670: 1C_hssrx_dac_dpc                00000040    0x81810674:
1D_hssrx_ddc                      00000000
0x81810678: 1E_hssrx_int_stat_PHY           00000c0f    0x8181067c:
1F_hssrx_dfe_func_ctl1_PHY      0000ffff
0x81810680: 20_hssrx_dfe_func_ctl2_INV      00007eff    0x81810684:
21_hssrx_ofs_ch_dcc_qcc_idx     00002000
0x81810688: 22_hssrx_dfe_ofs_val            00000901    0x8181068c:
23_hssrx_h_coeff_bist             0000040d
0x81810690: 24_hssrx_ac_cap_bist            00000000    0x81810694:
25_hssrx_max_gain_path_idx_res  00007800
0x81810698: 26_hssrx_loff_ctl               00000040    0x8181069c:
27_hssrx_sigdet_ctl               00002180
0x818106a0: 28_hssrx_ana_ctl_sw             00000000    0x818106a4:
29_hssrx_intg_dac_ofs             0000aee6
0x818106a8: 2A_hssrx_eye_ctl                00000000    0x818106ac:
2B_hssrx_eye_met                  00000004
0x818106b0: 2C_hssrx_eye_met_err_cnt        00000000    0x818106b4:
2D_hssrx_eye_met_pdf_eyec         00000000
0x818106b8: 2E_hssrx_eye_met_pat_len        0000007f    0x818106bc:
2F_hssrx_dfe_func_ctl3            0000dfff
0x818106c0: 30_hssrx_dfe_tap_ctl_idx_ptr    00000008    0x818106c4:
31_hssrx_dfe_tap                  00003030
0x818106c8: 32_hssrx_lte_ctl_TUNE           00001601    0x818106e4:
39_hssrx_int_stat2                0000c1ff
0x818106e8: 3A_hssrx_ac_cpl_cur_src_adj     00000040    0x818106ec:
3B_hssrx_dcd_ctl                  00007c81
```

```
0x818106f0: 3C_hssrx_dcc_ctl                00000d81    0x818106f4:
3D_hssrx_qcc_ctl                0000698c
0x818106f8: 3E_hssrx_mac_test_ctl2          00000000    0x818106fc:
3F_hssrx_mac_test_ctl1          00000000
0x81810648: 12_hssrx_dacap_dacan[02]                00fd ff00
0x81810660: 18_hssrx_dfe_h1h2h3_lcl_off_va[00]      0000 0000   0000
0000   0000 0000   0000 0000
0x81810660: 18_hssrx_dfe_h1h2h3_lcl_off_va[08]      0000 0000   0000
0000   0000 0000   0000 0000
0x81810660: 18_hssrx_dfe_h1h2h3_lcl_off_va[16]      0000 0000   0000
0000   0000
0x81810688: 22_hssrx_dfe_ofs_val[00][00]            0901 0000   7f7b
0000   0778 7f01
0x81810688: 22_hssrx_dfe_ofs_val[03][00]            7f06 0000   017e
0000   7f7a 0000
0x81810688: 22_hssrx_dfe_ofs_val[06][00]            0006 0000   0103
0000   7b09 0000
0x81810688: 22_hssrx_dfe_ofs_val[09][00]            7b79 0000   7b7d
0000   7d7d 0000
0x81810688: 22_hssrx_dfe_ofs_val[12][00]            0379 0000   7d01
0000   0000 0000
0x81810688: 22_hssrx_dfe_ofs_val[15][00]            7f05 0000   0579
7f00   0702 7f00
0x81810688: 22_hssrx_dfe_ofs_val[18][00]            7d7b 0000   7e01
0000   007d 0000
0x81810688: 22_hssrx_dfe_ofs_val[21][00]            007d 0000   007d
0000   007d 0000
0x81810688: 22_hssrx_dfe_ofs_val[24][00]            7b7e 0000   7a7f
0000   7f77 0000
0x81810694: 25_hssrx_max_gain_path_idx_res[00]      005f 0854   1111
1890   20d0 28a0   308b 3800
0x81810694: 25_hssrx_max_gain_path_idx_res[08]      40c0 4890   5082
5800   6040 6800   70fa 7800
0x818106c4: 31_hssrx_dfe_tap[00]                    fffe 8080   0000
0000   0030 0030   3030 3030
0x818106c4: 31_hssrx_dfe_tap[08]                    3030 3030   3030
0000
0x818106e8: 3A_hssrx_ac_cpl_cur_src_adj[00]         0040 0040   0040
0040
0x818106ec: 3B_hssrx_dcd_ctl[00]                    7c81 5c00   7c42
5c00   7c00
0x818106f0: 3C_hssrx_dcc_ctl[00]                    0d81 0d43   0d82
0d43
0x818106f4: 3D_hssrx_qcc_ctl[00]                    6942 698c

xfipcs, fec, aec, & aet registers
=================================
0x81c90400: xfipcs_reg              [00] 00002040 00000080 00000000
00000000    00000001 00000008 00000000 00000000
0x81c90420: xfipcs_reg              [08] 00008401 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c90440: xfipcs_reg              [16] 00000000 00000000 00000000
00000000    00000040 00000000 00000000 00000000
0x81c90460: xfipcs_reg              [24] 00000000 00000000 00000000
```

```
00000000    00000000 00000000 00000000 00000000
0x81c90480: xfipcs_reg              [32] 00000004 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c90620: fec_32g_128g_reg        [08] 00000000 00008003 00000000
00000000    00000000 00000000 00000000
0x81c90648: fec_32g_128g_reg        [18] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c90a00: aec_reg                 [00] 00000000 00000000 00000000
00000000    00000040 00000000 00000000 00002490
0x81c90c00: aet_reg                 [00] 000000b0 00007000 000008c4
00000000    00000000

bbc registers
=============
0x81c91800: bbc_trc                 0    0    0    0    0    0    0
0
0x81c91840: bbc_trc                 0    0    0    0    0    0    0
0
0x81c91880: bbc_trc                 0    0    0    0    0    0    0
0
0x81c918c0: bbc_trc                 0    0    0    0    0    0    0
0
0x81c91900: bbc_trc                 0    0    0    0    0    0    0
0
0x81c91804: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c91844: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c91884: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c918c4: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c91904: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c91a00: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c91a20: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c91a40: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c91a60: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c91a80: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c91c00: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c91c20: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c91c40: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c91c60: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c91c80: bbc_rqc                 0    0    0    0    0    0    0
0
```

```
0x81c91d00: bbc_fbpc                00000000    0x81c91d04: bbc_csc
00000000
0x81c91d08: bbc_rcc_inc             00000000    0x81c91d0c:
bbc_rqc_inc             00000000
0x81c91d10: bbc_fbpc_inc            00000000    0x81c91d14:
bbc_tmc_inc             00000000
0x81c91d18: bbc_threshold           00080100    0x81c91d1c:
bbc_counter_clr         00000000
0x81c91d20: bbc_debug_en            00000000    0x81c91d24: bbc_ctrl
00200120
0x81c91d28: bbc_rqc_rcc_thresh      00000055    0x81c91d34:
bbc_bb_sc_n             00000000
0x81c91d38: bbc_crd_reco_debug      00000000    0x81c91d3c:
bbc_crd_reco_debug_data 00000000
0x81c91d40: bbc_multi_frm_loss_cnt  00000000    0x81c91d44:
bbc_multi_rdy_loss_cnt  00000000
0x81c91d48: bbc_1frm_loss_recov_cnt 00000000    0x81c91d4c:
bbc_1rdy_loss_recov_cnt 00000000
0x81c91d58: bbc_int_status          00000000    0x81c91d5c:
bbc_int_set             00000000
0x81c91d60: bbc_int_first           00000000    0x81c91d64:
bbc_frm_rdy_rx_err_addr 00000000
0x81c91d68: bbc_frm_rdy_tx_err_addr 00000000    0x81c91d6c:
bbc_trc_mbc_err_addr    00000000
0x81c91d70: bbc_frm_rdy_rx_dbl_ecc  00000000    0x81c91d74:
bbc_frm_rdy_tx_dbl_ecc  00000000
0x81c91d78: bbc_trc_mbc_dbl_ecc     00000000
0x81c91d7c: bbc_fsm_status          00001011    0x81c91d80:
bbc_force_err           00000000
0x81c91d84: bbc_crdt_avail0         00000000    0x81c91d88:
bbc_crdt_avail1         00000000
0x81c91d8c: bbc_scratch             00000000

FPS registers
=============
0x81c90004: fps_er_enc_in           00000000    0x81c90008:
fps_er_crc              00000000
0x81c9000c: fps_er_trunc            00000000    0x81c90010:
fps_er_toolong          00000000
0x81c90014: fps_er_bad_eof          00000000    0x81c90018:
fps_er_enc_out          00000000
0x81c9001c: fps_er_bad_os           00000000    0x81c90020:
fps_er_flush            00000000
0x81c90024: fps_er_ifg              00000000    0x81c90038:
fps_er_crc_good_eof     00000000
0x81c9003c: fps_inv_arb             00000000    0x81c90040:
fps_slow_sts_status     00000000
0x81c90044: fps_tx_frm_cnt          00000000    0x81c90048:
fps_rx_frm_cnt          00000000
0x81c90050: fps_tx_word_cnt_hi      00000000    0x81c9004c:
fps_tx_word_cnt_lo      00000000
0x81c90058: fps_rx_word_cnt_hi      00000000    0x81c90054:
fps_rx_word_cnt_lo      00000000
```

```
BAL registers
=============
0x81c97000: bal_desired_buf         00000000    0x81c97004:
bal_alloc_buf           00000000
0x81c97008: bal_busy_buf            00000000    0x81c9700c:
bal_usable_buf          00000000
0x81c97010: bal_max_bor_buf         00000000
0x81c97014: bal_busy_buf_thresh     00000002

TXQ registers
=============
0x81c93004: txq_phys_port_ctl       00420000
0x81c93050: txq_link_skew           00000000
0x81c93068: txq_cr_lk_dttn_intr_sts [00] 00000000 00000000
0x81c93070: txq_cr_lk_dttn_intr_en  [00] 00000000 00000000
0x81c93024: txq_disc_frm_trap_cnt   00000014

FDS registers
=============
0x81c94000: fds_rxf_ctl             00000002    0x81c94004:
fds_rxf_wait_thresh     00000909
0x81c94018: fds_rxf_first_error     00000000    0x81c9401c:
fds_rxf_first_error_info00000000
0x81c94020: fds_rxf_inout_pkt_cnt   00000000
0x81c94008: fds_rxf_err_int_status  00000000    0x81c94024:
fds_rxf_fifo_status     00888888
0x81c95000: fds_txf_ctl             0000003a    0x81c95004:
fds_txf_wait_ifg_thresh 00a00106
0x81c95008: fds_txf_err_int_status  00000000    0x81c95024:
fds_txf_fifo_status     00088888
0x81c9502c: fds_txf_bbc_scs         00000000

Logical TXQ registers
=====================
0x81c93000: txq_log_port_ctl        00000002    0x81c93008:
txq_port_status         00000000
0x81c9300c: txq_todo_flags          [00] 00000000 00000000
0x81c93014: txq_spd_match_desc      [00] 00000000 00000000 00000000
00000000
0x81c93024: txq_spd_match_desc      [04] 00000014
0x81c93028: txq_vc_weight           [00] 01010101 01010101 01010101
01010101
0x81c93038: txq_vc_weight           [04] 01010101 01010101 01010101
01010101
0x81c93048: txq_vc_weight           [08] 01010101 00010101
0x81c93054: txq_cong_dttn_ctrl      00000106
0x81c93058: txq_cong_dttn_intr_sts  [00] 00000000 00000000
0x81c93060: txq_cong_dttn_intr_en   [00] 00000000 00000000
0x81c93078: txq_bw_limit_en_reg     [00] 00000000 00000000
0x81c93080: txq_bw_gua_en_reg       [00] 00000000 00000000
0x81c93088: txq_vc_group            [00] 03030300 03030303 03030303
03030303
0x81c93098: txq_vc_group            [04] 03030303 03030303 03030303
03030303
```

```
0x81c930a8: txq_vc_group            [08] 03030303 03030303 00000000
00000000
0x81c930b0: txq_bw_thresh_group     [00] 00000000 00000000 00000000
00000000
0x81c930c0: txq_bw_thresh_group     [04] 00000000 00000000 00000000
00000000
0x81c930d0: txq_bw_thresh_group     [08] 00000000 00000000 00000000
00000000
0x81c930e0: txq_bw_thresh_group     [12] 00000000 00000000 00000000
00000000
0x81c930f0: txq_bw_thresh_group     [16] 00000000 00000000 00000000
00000000
0x81c93100: txq_bw_thresh_group     [20] 00000000 00000000 00000000
00000000
0x81c93110: txq_bw_thresh_group     [24] 00000000 00000000 00000000
00000000
0x81c93120: txq_bw_thresh_group     [28] 00000000 00000000 00000000
00000000
0x81c93130: txq_bw_thresh_group     [32] 00000000 00000000 00000000
00000000
0x81c93140: txq_bw_thresh_group     [36] 00000000 00000000 00000000
00000000

txq Congestion detection Statistics RAM
=======================================
0x81090b40: vc[0]       00000000        0x81090b44: vc[1]
00000000
0x81090b48: vc[2]       00000000        0x81090b4c: vc[3]
00000000
0x81090b50: vc[4]       00000000        0x81090b54: vc[5]
00000000
0x81090b58: vc[6]       00000000        0x81090b5c: vc[7]
00000000
0x81090b60: vc[8]       00000000        0x81090b64: vc[9]
00000000
0x81090b68: vc[10]      00000000        0x81090b6c: vc[11]
00000000
0x81090b70: vc[12]      00000000        0x81090b74: vc[13]
00000000
0x81090b78: vc[14]      00000000        0x81090b7c: vc[15]
00000000
0x81090b80: vc[16]      00000000        0x81090b84: vc[17]
00000000
0x81090b88: vc[18]      00000000        0x81090b8c: vc[19]
00000000
0x81090b90: vc[20]      00000000        0x81090b94: vc[21]
00000000
0x81090b98: vc[22]      00000000        0x81090b9c: vc[23]
00000000
0x81090ba0: vc[24]      00000000        0x81090ba4: vc[25]
00000000
0x81090ba8: vc[26]      00000000        0x81090bac: vc[27]
00000000
0x81090bb0: vc[28]      00000000        0x81090bb4: vc[29]
```

```
00000000
0x81090bb8: vc[30]      00000000        0x81090bbc: vc[31]
00000000
0x81090bc0: vc[32]      00000000        0x81090bc4: vc[33]
00000000
0x81090bc8: vc[34]      00000000        0x81090bcc: vc[35]
00000000
0x81090bd0: vc[36]      00000000        0x81090bd4: vc[37]
00000000
0x81090bd8: vc[38]      00000000        0x81090bdc: vc[39]
00000000


Logical STS registers
=====================
0x81584e04: sts_ftb_type1_miss      00000000
0x81584e08: sts_ftb_type2_miss      00000000
0x81584e0c: sts_ftb_type6_miss      00000000
0x81584e10: sts_hard_zoning_miss    00000000
0x81584e14: sts_lun_zoning_miss     00000000
0x81584e1c: sts_unroutable          00000000
0x81581e34: sts_rte_cl2             00000000    0x81581e38:
sts_rte_cl3             00000000        0x81581e3c: sts_rte_link_ctl
00000000        0x81584e28: sts_tx_timeout          00000000

Logical STS filter registers
=====================
0x81584d80: sts_flt_trig            [00] 00000000 00000000 00000000
00000000
0x81584d90: sts_flt_trig            [04] 00000000 00000000 00000000
00000000
0x81584da0: sts_flt_trig            [08] 00000000 00000000 00000000
00000000
0x81584db0: sts_flt_trig            [12] 00000000 00000000 00000000
00000000
0x81584dc0: sts_flt_trig            [16] 00000000 00000000 00000000
00000000
0x81584dd0: sts_flt_trig            [20] 00000000 00000000 00000000
00000000
0x81584de0: sts_flt_trig            [24] 00000000 00000000 00000000
00000000
0x81584df0: sts_flt_trig            [28] 00000000 00000000 00000000
00000000
0x81584e00: sts_flt_trig            [32]

Logical STS discard registers
=====================
0x81582a28: disc_mcast_wka          00000000    0x81582a2c:
disc_inv_did            00000000
0x81582a30: disc_cl1_cl4            00000000    0x81582a34:
disc_sid_chk_fail       00000000
0x81582a38: disc_inv_dom_egid_txpt  00000000    0x81582a3c:
disc_vft_hop_cnt_1      00000000
0x81582a40: disc_classf             00000000    0x81582a44:
```

```
disc_fcp_cdb_inv        00000000
0x81582a48: disc_vfid_trap_enabled  00000000    0x81582a4c:
disc_vfid_hdr_chk_fail  00000000
0x81582a50: disc_shim_cksum_fail    00000000    0x81582a54:
disc_fed_edit_cmd_err   00000000
0x81582a58: disc_ftb_vm_mode        00000000    0x81582a5c:
disc_ftb_agn_t2_miss    00000000
0x81582a60: disc_ecb_reserved       00000000    0x81582a64:
disc_ecb_de_pad_err     00000000
0x81582a68: disc_ecb_de_tag_err     00000000    0x81582a6c:
disc_ecb_de_seq_err     00000000
0x81582a70: disc_ecb_err            00000000    0x81582a74:
disc_ftb_type4_match    00000000
0x81582a78: disc_fcp_rsp_ftb_type4  00000000    0x81582a7c:
disc_ftb_type5_match    00000000
0x81582a80: disc_ftb_type3_match    00000000    0x81582a84:
disc_els_ftb_type3      00000000
0x81582a88: disc_ftb_type1_match    00000000    0x81582a8c:
disc_els_rsp_ex_port    00000000
0x81582a90: disc_inv_drp_dps        00000000    0x81582a94:
disc_did_lookup_miss    00000000
0x81582a98: disc_ftb_type2_match    00000000    0x81582a9c:
disc_trpd_plogi_pdisc   00000000
0x81582aa0: disc_type2_lookup_miss  00000000    0x81582aa4:
disc_ftb_type6_match    00000000
0x81582aa8: disc_els_rep_ex_port    00000000    0x81582aac:
disc_els_sid_lkup_bit1  00000000
0x81582ab0: disc_els_sid_lkup_bit0  00000000    0x81582ab4:
disc_bls_frm_trap_bit1  00000000
0x81582ab8: disc_ftb_token_err      00000000    0x81582abc:
disc_asic_internal_err  00000000
0x81582ac0: disc_hard_zone_miss     00000000    0x81582ac4:
disc_lun_zone_miss      00000000
0x81582ac8: disc_flt_frame_disc     00000000    0x81582acc:
disc_flt_parity_err     00000000
0x81582ad0: disc_frame_marked_du    00000000    0x81582ad4:
disc_frame_marked_to    00000000
0x81582ad8: disc_lkup_rte_prty_err  00000000


portstatsshow 42
stat_wtx                0                   4-byte words transmitted
stat_wrx                0                   4-byte words received
stat_ftx                0                   Frames transmitted
stat_frx                0                   Frames received
stat_c2_frx             0                   Class 2 frames received
stat_c3_frx             0                   Class 3 frames received
stat_lc_rx              0                   Link control frames
received
stat_mc_rx              0                   Multicast frames
received
stat_mc_to              0                   Multicast timeouts
stat_mc_tx              0                   Multicast frames
transmitted
```

```
tim_txcrd_z             0                   Time TX Credit Zero
(2.5Us ticks)
tim_txcrd_z_vc  0- 3:  0           0           0           0
tim_txcrd_z_vc  4- 7:  0           0           0           0
tim_txcrd_z_vc  8-11:  0           0           0           0
tim_txcrd_z_vc 12-15:  0           0           0           0
lat_tot_pkt_vc  0- 3:  1           1           1           1
lat_tot_pkt_vc  4- 7:  1           1           1           1
lat_tot_pkt_vc  8-11:  1           1           1           1
lat_tot_pkt_vc 12-15:  1           1           1           1
lat_hi_time_vc  0- 3:  0           0           0           0
lat_hi_time_vc  4- 7:  0           0           0           0
lat_hi_time_vc  8-11:  0           0           0           0
lat_hi_time_vc 12-15:  0           0           0           0
lat_lo_time_vc  0- 3:  1           1           1           1
lat_lo_time_vc  4- 7:  1           1           1           1
lat_lo_time_vc  8-11:  1           1           1           1
lat_lo_time_vc 12-15:  1           1           1           1
max_latency_vc  0- 3:  1           1           1           1
max_latency_vc  4- 7:  1           1           1           1
max_latency_vc  8-11:  1           1           1           1
max_latency_vc 12-15:  1           1           1           1
latency_dma_ts          09-09-2024 UTC Mon 08:47:24            TXQ
Latency DMA TimeStamp
fec_cor_detected        0                   Count of blocks that
were corrected by FEC
fec_uncor_detected      0                   Count of blocks that
were left uncorrected by FEC
er_enc_in               0                   Encoding errors inside
of frames
er_crc                  0                   Frames with CRC errors
er_trunc                0                   Frames shorter than
minimum
er_toolong              0                   Frames longer than
maximum
er_bad_eof              0                   Frames with bad end-of-
frame
er_enc_out              0                   Encoding error outside
of frames
er_bad_os               0                   Invalid ordered set
er_pcs_blk              0                   PCS block errors
er_rx_c3_timeout        0                   Class 3 receive frames
discarded due to timeout
er_tx_c3_timeout        0                   Class 3 transmit frames
discarded due to timeout
er_unroutable           0                   Frames that are
unroutable
er_unreachable          0                   Frame with unreachable
destination
er_other_discard        0                   Other discards
er_type1_miss           0                   frames with FTB type 1
miss
er_type2_miss           0                   frames with FTB type 2
miss
```

```
er_type6_miss           0                   frames with FTB type 6
miss
er_zone_miss            0                   frames with hard zoning
miss
er_lun_zone_miss        0                   frames with LUN zoning
miss
er_crc_good_eof         0                   Crc error with good eof
er_inv_arb              0                   Invalid ARB
er_single_credit_loss   0                   Single vcrdy/frame loss
on link
er_multi_credit_loss    0                   Multiple vcrdy/frame
loss on link
other_credit_loss       0                   Link timeout/complete
credit loss
phy_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
phy_port stats clear
lgc_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
lgc_port stats clear
fec_corrected_rate      0                   FEC Corrected blocks per
second

portstats64show 42
stat64_wtx      0           top_int : 4-byte words transmitted
                0           bottom_int : 4-byte words transmitted
stat64_wrx      0           top_int : 4-byte words received
                0           bottom_int : 4-byte words received
stat64_ftx      0           top_int : Frames transmitted
                0           bottom_int : Frames transmitted
stat64_frx      0           top_int : Frames received
                0           bottom_int : Frames received
stat64_c2_frx   0           top_int : Class 2 frames received
                0           bottom_int : Class 2 frames received
stat64_c3_frx   0           top_int : Class 3 frames received
                0           bottom_int : Class 3 frames received
stat64_lc_rx    0           top_int : Link control frames received
                0           bottom_int : Link control frames
received
stat64_mc_rx    0           top_int : Multicast frames received
                0           bottom_int : Multicast frames received
stat64_mc_to    0           top_int : Multicast timeouts
                0           bottom_int : Multicast timeouts
stat64_mc_tx    0           top_int : Multicast frames transmitted
                0           bottom_int : Multicast frames
transmitted
tim64_rdy_pri   0           top_int : Time R_RDY high priority
                0           bottom_int : Time R_RDY high priority
tim64_txcrd_z   0           top_int : Time BB_credit zero
                0           bottom_int : Time BB_credit zero
er64_enc_in     0           top_int : Encoding errors inside of
frames
                0           bottom_int : Encoding errors inside of
frames
er64_crc        0           top_int : Frames with CRC errors
                0           bottom_int : Frames with CRC errors
```

```
er64_trunc      0           top_int : Frames shorter than minimum
                0           bottom_int : Frames shorter than minimum
er64_toolong    0           top_int : Frames longer than maximum
                0           bottom_int : Frames longer than maximum
er64_bad_eof    0           top_int : Frames with bad end-of-frame
                0           bottom_int : Frames with bad end-of-
frame
er64_enc_out    0           top_int : Encoding error outside of
frames
                0           bottom_int : Encoding error outside of
frames
er64_disc_c3    0           top_int : Class 3 frames discarded
                0           bottom_int : Class 3 frames discarded
er64_pcs_blk    0           top_int : PCS block errors
                0           bottom_int : PCS block errors
stat64_rateTxFrame      0           Tx frame rate (fr/sec)
stat64_rateRxFrame      0           Rx frame rate (fr/sec)
stat64_rateTxPeakFrame  0           Tx peak frame rate (fr/sec)
stat64_rateRxPeakFrame  0           Rx peak frame rate (fr/sec)
stat64_rateTxWord       0           Tx Word rate (words/sec)
stat64_rateRxWord       0           Rx Word rate (words/sec)
stat64_rateTxPeakWord   0           Tx peak Word rate (words/sec)
stat64_rateRxPeakWord   0           Rx peak Word rate (words/sec)
stat64_PRJTFrames       0           top_int : Number of PRJT frames
returned to this port
                        0           bottom_int : Number of PRJT
frames returned to this port
stat64_PBSYFrames       0           top_int : Number of PBSY frames
returned to this port
                        0           bottom_int : Number of PBSY
frames returned to this port
stat64_inputBuffersFull 0           top_int : Number of occurrences
when all input buffers full
                        0           bottom_int : Number of
occurrences when all input buffers full
stat64_rxClass1Frames   0           top_int : Number of class 1
frames received
                        0           bottom_int : Number of class 1
frames received
stat64_aveTxFrameSize   0           Average Tx Frame size
stat64_aveRxFrameSize   0           Average Rx Frame size
Lr_in           0           top_int
                0           bottom_int
Ols_in          0           top_int
                0           bottom_int
Lr_out          0           top_int
                0           bottom_int
Ols_out         0           top_int
                0           bottom_int
Link_failure    0           top_int
                0           bottom_int
Invalid_CRC     0           top_int
                0           bottom_int
Invalid_word    0           top_int
```

```
                0           bottom_int
Protocol_err    0           top_int
                0           bottom_int
Loss_of_sig     0           top_int
                0           bottom_int
Loss_of_sync    0           top_int
                0           bottom_int
er_bad_os       0           top_int : Invalid ordered set
                0           bottom_int: Invalid ordered set


portrouteshow 42
port address ID: 0x012a00
external unicast routing table:
   0: Embedded
 255: Embedded
internal unicast routing table:
   0: Embedded

portcamshow 42
-------------------------------------------------
Port  SID used  DID used  SID entries  DID entries
42     0         0         000000       000000
-------------------------------------------------

ptbufshow, ptcreditshow, ptdatashow, ptstatsshow 42
S:
S:VF Enable:            1
S:
S:C4 Global Variable:
S:-------------------------------------------------------------------
---------
S:trace_stop:           0
S:
S:C4 Phy Data Pointers: c4_phyp = 0xb6ad9040
S:-------------------------------------------------------------------
---------
S:tnodep                        0xbb83fd20      pt
        0x43028012
S:proto_phyp            0xb88096c0      phy_cfg
0xb6ada080
S:c4_chp                        0x97e28000      c4_lgcp
0x97f90000
S:c4_phy_regp           0x81c90000      proc_dir
0xb8519be0
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4345678      num_port_timer          12
S:prev_if_id            0x43020012      S:ftx                   0
        tov                     0
S:initialized           1               port_idx                18
S:ui_idx                        42              slot_no
        0
S:blade_idx             18              sw_usr_ports            400
```

```
S:unused                        0               intr_debounced
        0
S:aec_status            0x0             reason_code
        0
S:debug                 0x00000004      debug_trc_line          0
S:rxbuf_list_head       0xffffffff      rxbuf_list_tail
0xffffffff
S:isAePort                      0               port_misc_data
                0
S:num_fault1_rx_disc    0               num_fault2_rx_disc      0
S:p_lli_cause0          0               p_sig_regained          0
S:p_sync_regained               0               enc_out
        0x0
S:cached_fps_status     0               cached_sts_status       0
S:cached_er_crc_good_eof        0
S:cached_er_bad_os      0               cached_er_too_long      0
S:cached_er_trunc       0
cached_tot_er_crc_good_eof      0
S:num_pt_excess_intr    0               num_no_fid              0
S:num_fault1_cnt                0               num_fault2_cnt
        0
S:num_fault_lip         0               num_fault_lli           0
S:num_fault_rx_fifo     0               num_fault_hss           0
S:num_fault_bwait               0               lli_intr_prim
        0
S:num_sw_link_to                0
be_link_err_mon_count           0
S:ecb_enc_enabled               0               ecb_comp_enabled
                0
S:ecb_rsv_enc           0               ecb_rsv_comp            0
S:ecb_enc_bm            0x0             ecb_key_index
0xffffffff
S:fab_idx               0
S:num_be_lto            0               lto_count_reset_intvl
        0
S:lr_count_reset_intvl          0               num_be_lr
        0
S:num_fault_qsfp                0               check_lto
        0
S:credit_loaded         0               num_credit_overrun
        0
S:fec_enabled           0x0             fec_los_to_flag         0x0
S:phy_stats_clear_ts            1725611419      pcs_err_online
        0
S:pcs_err_light_det             0               pcs_err_ignore
        0
S:pcs_blk_err           0               pcs_hiber               0
S:phy_port_status               0               ecb_enc_lr_count
                0
S:dport_mode            0               avoid_lto_det           0
S:sn_debounced          0x0             sn_started_kr_reqd      0
S:major_timer_started   0x0             ready_bm                0x0
S:parln_1_bm            0x0             parln_0_bm              0x0
S:be_los_of_sync_event_intvl            0
```

```
be_los_of_sync_event            0
S:erratePtenable_cntr           0               erratePoll_cntr
        0
S:jda_rx_sig_loss_det           0               jda_rx_sig_loss_cnt
                0
S:encrypt_blk_error             0
S:
S:      c4_trunk
S:======================================
S:mark_ts               0x0             deskew                  0x0
S:master_phyp           0x0
S:
S:adelay[00]: 0x00000000 0x00000000 0x00000000 0x00000000
S:adelay[04]: 0x00000000 0x00000000 0x00000000 0x00000000
S:
S:      c4_buf
S:======================================
S:tx_csc                        0               rx_csc
        0
S:ld_vc_credits         0               tx_flag                 0x0
S:alloc_buffers         0               req_buffers             0
S:est_buffers           20              ld_use_est              0
S:bb_sc_n                       0               rx_bb_sc_n
        0
S:data_cr                       5               nondata_cr
        6
S:cr_enable             0
S:ld_nondata_cr         6               tnodep
0xbb83fe00
S:tx_credits[0] 0    0    0    0    0    0    0    0
S:tx_credits[8] 0    0    0    0    0    0    0    0
S:tx_credits[16]        0    0    0    0    0    0    0    0
S:tx_credits[24]        0    0    0    0    0    0    0    0
S:tx_credits[32]        0    0    0    0    0    0    0    0
S:rx_credits[0] 0    0    0    0    0    0    0    0
S:rx_credits[8] 0    0    0    0    0    0    0    0
S:rx_credits[16]        0    0    0    0    0    0    0    0
S:rx_credits[24]        0    0    0    0    0    0    0    0
S:rx_credits[32]        0    0    0    0    0    0    0    0
S:tx_mbc[0]     0    0    0    0    0    0    0    0
S:tx_mbc[8]     0    0    0    0    0    0    0    0
S:tx_mbc[16]    0    0    0    0    0    0    0    0
S:tx_mbc[24]    0    0    0    0    0    0    0    0
S:tx_mbc[32]    0    0    0    0    0    0    0    0
S:rx_mbc[0]     0    0    0    0    0    0    0    0
S:rx_mbc[8]     0    0    0    0    0    0    0    0
S:rx_mbc[16]    0    0    0    0    0    0    0    0
S:rx_mbc[24]    0    0    0    0    0    0    0    0
S:rx_mbc[32]    0    0    0    0    0    0    0    0
S:
S:C4 Chip Variables: c4_phyp->c4_chp = 0x97e28000
S:------------------------------------------------------------------
---------
S:version = 2.1
```

```
S:magic_id              0xc4234567      init_state              0x8
S:reset_reg_mem         0x1
S:ch_int0_en_bm         0x0             intr0_cause             0x0
S:ch_int1_en_bm         0x0             intr1_cause             0x0
S:ch_int2_en_bm         0x0             intr2_cause             0x0
S:ch                    0x43010080      ch_cfg
0xb7013ba0
S:raslog_hndl.hndl      0x0             obj_halted              0x0
S:c4_chip_regp          0x80000000      c4_fpg_regp
0x81800000
S:num_chip_timer        0x5
S:hi_task_bm            0x0             lo_task_bm              0x0
S:c4_deferq.q_head      0x0             c4_deferq.q_tail        0x0
S:c4_tmrq.q_head        0x0             c4_tmrq.q_tail          0x0
slot_no                 0
S:chip_inst             0               chip_idx                0
S:pll_initialized               1
pll_serdes_initialized  1
S:init_tries            0               init_ptEnableBM
0xba01b488
S:tick_polling          0xb980c9c0      sec_polling
0xb980c960
S:bb_fid                        129
S:ecb_key_bm[0]         0x0             ecb_key_bm[1]           0x0
S:ecb_key_bm[2]         0x0             ecb_key_bm[3]           0x0
S:is_chip_enc_enabled                   0
is_chip_comp_enabled    0x0
S:ftb_rsrcp->ftb_flags  0x0             act_rsrcp->act_flag     0x1
S:lue_rsrcp->lue_flags[0]       0x0             lue_rsrcp-
>lue_flags[1]   0x0
S:c4_phyp[00]: 0xb6ab0000 0xb6ab2080 0xb6ab4100 0xb6ab6180
S:c4_phyp[04]: 0xb6ab9040 0xb6abb0c0 0xb6abd140 0xb6ac0000
S:c4_phyp[08]: 0xb6ac2080 0xb6ac4100 0xb6ac6180 0xb6ac9040
S:c4_phyp[12]: 0xb6acb0c0 0xb6acd140 0xb6ad0000 0xb6ad2080
S:c4_phyp[16]: 0xb6ad4100 0xb6ad6180 0xb6ad9040 0xb6adb0c0
S:c4_phyp[20]: 0xb6add140 0xb6ae0000 0xb6ae2080 0xb6ae4100
S:c4_phyp[24]: 0xb6ae6180 0xb6ae9040 0xb6aeb0c0 0xb6aed140
S:c4_phyp[28]: 0xb6af0000 0xb6af2080 0xb6af4100 0xb6af6180
S:c4_phyp[32]: 0xb6af9040 0xb6afb0c0 0xb6afd140 0xb6b00000
S:c4_phyp[36]: 0xb6b02080 0xb6b04100 0xb6b06180 0xb6b09040
S:c4_phyp[40]: 0xb6b0b0c0 0xb6b0d140 0xb6b10000 0xb6b12080
S:c4_phyp[44]: 0xb6b14100 0xb6b16180 0xb6b19040 0xb6b1b0c0
S:c4_phyp[48]: 0xb6b1d140 0xb6b20000 0xb6b22080 0xb6b24100
S:c4_phyp[52]: 0xb6b26180 0xb6b29040 0xb6b2b0c0 0xb6b2d140
S:c4_phyp[56]: 0xb6b30000 0xb6b32080 0xb6b34100 0xb6b36180
S:c4_phyp[60]: 0xb6b39040 0xb6b3b0c0 0xb6b3d140 0xb6b40000
S:c4_lgcp[00]: 0x97f48000 0x97f4c000 0x97f50000 0x97f54000
S:c4_lgcp[04]: 0x97f58000 0x97f5c000 0x97f60000 0x97f64000
S:c4_lgcp[08]: 0x97f68000 0x97f6c000 0x97f70000 0x97f74000
S:c4_lgcp[12]: 0x97f78000 0x97f7c000 0x97f80000 0x97f84000
S:c4_lgcp[16]: 0x97f88000 0x97f8c000 0x97f90000 0x97f94000
S:c4_lgcp[20]: 0x97f98000 0x97f9c000 0x97fa0000 0x97fa4000
S:c4_lgcp[24]: 0x97fa8000 0x97fac000 0x97fb0000 0x97fb4000
S:c4_lgcp[28]: 0x97fb8000 0x97fbc000 0x97fc0000 0x97fc4000
```

```
S:c4_lgcp[32]: 0x97fc8000 0x97fcc000 0x97fd0000 0x97fd4000
S:c4_lgcp[36]: 0x97fd8000 0x97fdc000 0x97fe0000 0x97fe4000
S:c4_lgcp[40]: 0x97fe8000 0x97fec000 0x97ff0000 0x97ff4000
S:c4_lgcp[44]: 0x97ff8000 0x97ffc000 0x8e000000 0x8e004000
S:c4_lgcp[48]: 0x8e008000 0x8e00c000 0x8e010000 0x8e014000
S:c4_lgcp[52]: 0x8e018000 0x8e01c000 0x8e020000 0x8e024000
S:c4_lgcp[56]: 0x8e028000 0x8e02c000 0x8e030000 0x8e034000
S:c4_lgcp[60]: 0x8e038000 0x8e03c000 0x8e040000 0x8e044000
S:chip_timers[00]: 0xb980c720 0xb980c780 0xb980c7e0 0xb980c840
S:chip_timers[04]: 0xb980c8a0 0xb980c900
S:disc_trap_enable_required     0x0             rxlp_disc_log_stop
        0x0
S:curr_rxlp_frm_cnt     0x0             curr_rxlp_disc_frm_cnt  0x0
S:sw_disc_frm_cnt       0x0             last_disc_frm_cnt       0x0
S:txq_nopop_pr_cnt      0x0             pollErrataDfe_ptBM
0xba01b4b0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][0]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][1]  0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][2]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][0] 0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][1]       0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][2] 0x0
S:
S:C4 Logical Port Variables
S:-----------------------------------------------------------------
---------
S:c4_lgc_regp           0x81c90000
S:c4_phyp:
S:      0xb6ad9040      0x0             0x0             0x0

S:      0x0             0x0             0x0             0x0

S:master_phyp           0xb6ad9040      if_id
0x43020012
S:min_phyp              0x0             max_phyp                0x0
S:num_phy_ports         1               lgc_num                 18
S:num_iu_to             0               sw_txq_bm
        0
S:port_fid              128             unused                  0
S:port_group            2               lgc_stats_clear_ts
               1725611419
S:domain_tbl_sel                0               area_tbl_sel
        0
S:egid_tbl_sel          0
S:serv_lo_bm            0x0
S:
S:Proto Phy Variables:
S:-----------------------------------------------------------------
---------
S:magic_id              0xc4123456      asic_phyp
0xb6ad9040
S:port_id                       0x43028012      phy_cfg
        0xb6ada080
S:upsm_hdl              0xb80155a0      physm_hdl
```

```
0xb8015320
S:ov_snsm_hdl           0xb80151e0      sw_snsm_hdl
0xb8015280
S:ov_lksm_hdl           0xb80153c0      sw_lksm_hdl
0xb8015460
S:trksm_hdl             0xb8015500      lr_flag         0x0
S:lr_active             0x0             qsfp_txrx_rate_sel
        0x0
S:
S:UPSM      UP00: UPST_PORT_DISABLED    --> UP01:
UPST_START_PORT_INIT
S:SNSM(OV)  SN00: OV_SNST_STOPPED       --> SN00: OV_SNST_STOPPED
S:SNSM(SW)  SW00: SW_SNST_STAGE_WS      --> SW00: SW_SNST_STAGE_WS
S:PHYSM     UNKNOWN     --> PP03: PHYST_NO_SIGNAL
S:LKSM(OV)  LK00: OV_LKST_INACTIVE      --> LK00: OV_LKST_INACTIVE
S:LKSM(SW)  SW13: INACTIVE              --> SW13: INACTIVE
S:TRKSM     TRK0: TRKST_INIT            --> TRK0: TRKST_INIT
S:
S:physm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb88096c0      physm_hdl
0xb8015320
S:force_offline         0               copper                  0
S:fault_reason          0: UNKNOWN
S:phy_media_present             1
S:
S:snsm variables:
S:-------------------------------------------------------------------
---------
S:speed                 0xff            proto_phyp
0xb88096c0
S:hw_sn_tries_left      0x0             sw_sn_tries_left        0x0
S:curr_txsp_count               0x0
S:tx_max                        0x0             curr_tx_indx
        0x0
S:curr_tx                       0x0             curr_rxsp_count
        0x0
S:rx_max                        0x0             curr_rx_indx
        0x0
S:curr_rx                       0x0             rx_mem
        0x0
S:rxsp_rec_count                0x0
S:nc_start              0x0             tx_start                0x0
S:sync_start            0x0             sync_present            0x0
S:diag_auto             0x0             diag_speed              0xff
S:striped_wd_tov                3000            hw_wd_tov
        3000
S:step                  0x0             qsfp28_speed_mode
        0x0
S:qsfp_mode0_hw_sn_tries_left           0x0
S:qsfp_mode1_hw_sn_tries_left           0x0
S:
S:lksm variables:
```

```
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb88096c0      ov_lksm_hdl
0xb80153c0
sw_lksm_hdl             0xb8015460
num_lf1                 0
S:hw_link_tries_left    0               sw_link_tries_left      0
S:buf_ptype             0x0             stored_entry_state      0x6
S:handshake_owner               0x0             mark_unsent
        0x0
S:busybuf_stuck         0x0             lr_wait                 0x0
S:
S:trksm variables:
S:-------------------------------------------------------------------
---------
S:Not a trunk port
S:
S:upsm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb88096c0      upsm_hdl
0xb80155a0
S:bb_credits            0               port_beacon             0
S:port_diag_flag                0               force_offline
        0
S:port_fault_rsn                0: PORT_NO_FAULT
S:retry_init_rsn                0: UNKNOWN
S:linit_reason          0               linit_result            0
S:ie_fctl_mode          0               fec_in_sync_tries_left  0
S:retry_sn_fail_init    0
retry_link_fail_init    0
S:excess_lr_count       0
S:
S:c4_ch_cfg
S:-------------------------------------------------------------------
---------
S:c4_desc_ring_size     256      292      256      256      292
292      2        292      292
S:thresh_def            0        16       1        0
S:intr_tries            500             cmem_pattern
0xdeadbeef
S:cmem_pattern_upwd     2               cmem_init_time          16
S:cmem_init_tries               5
S:ctrl_par_thresh               2               data_par_thresh
        4
S:cam_par_thresh                4               buf_loss_thresh
        12
S:crit_par_thresh               2               non_crit_par_thresh
        6
S:pci_abort_thresh      10              pci_err_thresh          5
S:excess_chintr_thresh  8               sw_err_thresh           20
S:err_sample_period     300             intr_sleep
20000
S:frame_timeout 2500            proxy_dev               16384
```

```
S:vf_route      81920           qos             2048
S:stats 2048            f_redirect              2048
S:rsp_trap      2048            lun_zoning              20480
S:area_mode     0               ftb_max_loop[0]         0
S:ftb_max_loop[1]       6               ftb_max_loop[2]         9
S:ftb_max_loop[3]       10              ftb_max_loop[4]         10
S:ftb_max_loop[5]       5               ftb_max_loop[6]         6
S:ftb_seg_size[0]       0               ftb_seg_size[1]
16384
S:ftb_seg_size[2]       65536           ftb_seg_size[3]
16384
S:ftb_seg_size[4]       16384           ftb_seg_size[5]
65536
S:ftb_seg_size[6]       16384           ftb_seg_base[0]         0
S:ftb_seg_base[1]       0               ftb_seg_base[2]
65536
S:ftb_seg_base[3]       16384           ftb_seg_base[4]
32768
S:ftb_seg_base[5]       131072          ftb_seg_base[6]
49152
asic_err_monitor_period1                300
asic_err_monitor_period2                86400
zone_chk_to_poll_period 25
zone_chk_class2_reject_tov              220
S:
S:c4_phy_cfg
S:-------------------------------------------------------------------
---------
S:version = 2.1
S:pt                    0x43028012      fab_ptr
0x9a800000
S:fabattr                       0x9a8000d4      fab_iop
        0x9a800050
S:cfgbm                 0xbb83fb64      port_ctrl
0xb6ada098
S:pcap.pcap_bm          0x8d215547      pcap.pcap2_bm
0x588289
S:pcap.pcap3_bm         0x1bebe0c
ui_idx                  42              S:slot_no
        0
is_icl                  0               S:sw_usr_ports          400
S:neg_speed             0 0 0 0 0 0
S:my_domain             0x1             port_mode               0x0
S:hw_sn_maxtries                100             sw_sn_maxtries
        0
S:hw_link_maxtries      10              sw_link_maxtries        5
S:rx_cyc_tov            28              rttov                   300
S:bufrdy_tov            300             busybuf_tov             286
S:mark_tov              300             lksm_tov                3000
S:buf_dealloc_wait      4               hw_wd_tov               3000
S:hw_lk_train_tov               540             hw_lk_test_tov
        150
S:syswait_tx_12_lips    1               lip_rx_tov              55
S:al_time_tov           15              lp_tov                  2000
```

```
S:intr_tries_port               500             intr_mod_debounce
        250
S:intr_lsr_flt_debounce 500             intr_efifo_debounce     100
S:port_no_fid           3               excess_ptintr_thresh    8
S:port_fault1_thresh    100             port_fault1_spur_thresh 250
S:port_fault1_disc_thresh       500
port_fault1_disc_spur_thresh    1000
S:port_fault2_thresh    5               losync_tov              100
S:port_sw_link_to               15              en_8g_scramble
        1
frc_hw_sn_mode          0x1
S:enc_poll_thresh               0               fec_enable
        0
S:fec_in_sync_to                50              fec_in_sync_try_max
        4
S:port_be_lto_threshold         100             port_be_lr_threshold
                2
S:be_cr_in_sync_to              5
port_credit_overrun_thresh              10
S:jda_sfp_losig_tov             400
jda_sfp_losig_try_max           30
S:striped_wd_tov                3000
no_sync_debounce                1200
S:
S:      fab_iop
S:======================================
S:fab_iop->interop_mode 0x0             fab_iop->lab_mode       0x0
S:fab_iop->fl_bbc               0x0             fab_iop->fl_fan
        0x0
S:fab_iop->fl_cls               0x4             fab_iop->fl_rscn
        0x0
S:fab_iop->domain_id_offset     0x60            fab_iop-
>mcdt_fabric_mode       0x0
S:fab_iop->mcdt_default_zone            0x0             fab_iop-
>mcdt_safe_zone         0x0
S:
S:      port_ctrl
S:======================================
S:port_ctrl.port_type   1               port_ctrl.port_grp      2
S:port_ctrl.port_number 42              port_ctrl.vc_mode       1
S:
S:      port_ctrl.lcap
S:======================================
S:has_serdes            0               has_media               1
S:topology              1               skip_nego               0
S:skip_pnego            0               skip_init_event         0
S:en_shim                       0               speed_neg
        1
S:loop_back             0               num_speeds              5
S:fec_enable            0
S:
S:      port_ctrl.speed_list array
S:======================================
S:speed_list[0].auto_neg  1     speed_list[0].lnk_speed  0x0000000a
```

```
S:speed_list[1].auto_neg  1     speed_list[1].lnk_speed  0x00000008
S:speed_list[2].auto_neg  0     speed_list[2].lnk_speed  0x00000006
S:speed_list[3].auto_neg  1     speed_list[3].lnk_speed  0x00000005
S:speed_list[4].auto_neg  0     speed_list[4].lnk_speed  0x00000003
S:speed_list[5].auto_neg  0     speed_list[5].lnk_speed  0x00000000
S:
S:      port_ctrl.cm
S:=====================================
S:port_ctrl.cm.num_vcs          8
S:port_ctrl.cm.min_bufs         8
S:port_ctrl.cm.cr_shar_bufs     0
S:port_ctrl.vc_alloc
S:port_ctrl.vc_alloc            2 0 1 1 1 1 1 1
S:port_ctrl.vc_alloc            0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.norm_vc_alloc
S:port_ctrl.norm_vc_alloc       4 0 5 5 5 5 1 1
S:port_ctrl.norm_vc_alloc       0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.cm.skip_bb_credit           0
S:port_ctrl.cm.use_shim_based_sublist           0
S:
S:      port_ctrl.serdes_set
S:=====================================
S:serdes_type           0x8
S:serdes_data_t.ibm_hss_serdes.tx_drive_power           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b_sign      0x1
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_a           0x0
S:serdes_data_t.ibm_hss_serdes.rxeq                     0x0
S:
S:      cfgbm
S:=====================================
S:old_distance          0x0             gport_lockdown          0x0
S:tport                 0x1             speed                   0x0
S:disable_eport         0x0             fcacc                   0x0
S:lport_lockdown                0x0             priv_lport_lockdown
        0x0
S:vcxlt_linit           0x0             delay_flogi             0x0
S:isl_interop           0x0             distance                0x0
S:BufStarvFlag          0x0             credit_sharing          0x0
S:lport_halfduplex      0x0             lport_fairness          0x0
S:soft_neg              0x0             asn_frc_hwretry         0x0
S:cr_recov              0x0             fport_buffers           0x0
S:export                        0x0             export_mode
        0x0
S:csctl_en              0x0             mirror_port             0x0
S:fault_delay           0x0             non_dfe                 0x0
S:fec_configured*(0=ENAB)       0               fec_tts
        0
S:port_persistently_disabled (permanently) 0 (0)
S:
S:      cfg property
S:=====================================
```

```
S:priv_pcfg_bm          0x00000000      lgcl_pcfg_bm
0xbb83fba4
S:fport_buffer          0x00000000
S:
S:
S:C4 Discard Cntrs: rxlp_stats = 0xb6ad93f0
S:-------------------------------------------------------------------
---------
S:disc_mcast_wka        0x0             disc_inv_did            0x0
S:disc_cl1_cl4          0x0             disc_sid_chk_fail       0x0
S:disc_inv_dom_egid_txpt        0x0             disc_vft_hop_cnt_1
        0x0
S:disc_classf           0x0             disc_fcp_cdb_inv        0x0
S:disc_vfid_trap_enabled        0x0
disc_vfid_hdr_chk_fail  0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_ftb_vm_mode      0x0             disc_ftb_agn_t2_miss    0x0
S:disc_ecb_de_pad_err   0x0             disc_ecb_de_tag_err     0x0
S:disc_ecb_de_seq_err   0x0             disc_ecb_err            0x0
S:disc_ftb_type4_match  0x0             disc_fcp_rsp_ftb_type4  0x0
S:disc_fcp_rsp_ftb_type4        0x0             disc_ftb_type5_match
        0x0
S:disc_ftb_type3_match  0x0             disc_els_ftb_type3      0x0
S:disc_ftb_type1_match  0x0             disc_els_rsp_ex_port    0x0
S:disc_inv_drp_dps      0x0             disc_did_lookup_miss    0x0
S:disc_ftb_type2_match  0x0             disc_trpd_plogi_pdisc   0x0
S:disc_type2_lookup_miss        0x0             disc_ftb_type6_match
        0x0
S:disc_els_rep_ex_port  0x0             disc_els_sid_lkup_bit1  0x0
S:disc_els_sid_lkup_bit0        0x0
disc_bls_frm_trap_bit1  0x0
S:disc_ftb_token_err    0x0             disc_asic_internal_err  0x0
S:disc_hard_zone_miss   0x0             disc_lun_zone_miss      0x0
S:disc_flt_frame_disc   0x0             disc_flt_parity_err     0x0
S:disc_frame_marked_du  0x0             disc_frame_marked_to    0x0
E:Connection type: FE
E:Port type: F_port
E:Trunk port: No
E:Configured Speed: AUTO_SPEED_NEGO
E:Max Capable Speed: 32G
E:Current SNSM Speed: UNDEFINED
E:Hardware TX Speed: 32G (0x00000004)
E:Hardware RX Speed: 32G (0x00000040)
E:
E:Interrupts:   0           Link_failure:       0
Loss_of_sync:   0           Loss_of_sig:        0
E:Lli:          0           Invalid_word:       0
E:trapped_frm:  0           fwd_status_ok:      0
E:fwd_timeout:  0           fwd_tx_unavail:     0
E:fwd_unroutable:       0           fwd_zone_out:       0
E:fwd_other_err:        0           frm_err_discard:    0
E:Fltr listA:   0           Fltr listB:         0
E:Zone trap fwd:        0           Zone trap disc:     0
```

```
E:shim_csum:    0           RTE_perr:           0
E:Invalid_crc:  0           Delim_err:          0
E:Protocol_err: 0
E:Lr_in:        0           Lr_out:             0
E:Ols_in:       0           Ols_out:            0


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                FILTER DATA
                -----------
Shadow settings:
   Filter Enable: 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass: 0x00000000
Real settings:
   Enable RAM: 0x00000000, 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
```

```
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass RAM: 0x00000000

Shadowed filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        c4_fldenable[0] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[0] = 0x00000000,c4_fltr_config[0] = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        c4_fldenable[1] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[1] = 0x00000000,c4_fltr_config[1] = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        c4_fldenable[2] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[2] = 0x00000000,c4_fltr_config[2] = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        c4_fldenable[3] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[3] = 0x00000000,c4_fltr_config[3] = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        c4_fldenable[4] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[4] = 0x00000000,c4_fltr_config[4] = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        c4_fldenable[5] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[5] = 0x00000000,c4_fltr_config[5] = 0x00000000
```

```
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        c4_fldenable[6] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[6] = 0x00000000,c4_fltr_config[6] = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        c4_fldenable[7] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[7] = 0x00000000,c4_fltr_config[7] = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        c4_fldenable[8] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[8] = 0x00000000,c4_fltr_config[8] = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        c4_fldenable[9] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[9] = 0x00000000,c4_fltr_config[9] = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        c4_fldenable[10] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[10] = 0x00000000,c4_fltr_config[10] =
0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        c4_fldenable[11] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[11] = 0x00000000,c4_fltr_config[11] =
0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        c4_fldenable[12] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[12] = 0x00000000,c4_fltr_config[12] =
0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        c4_fldenable[13] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[13] = 0x00000000,c4_fltr_config[13] =
0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        c4_fldenable[14] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[14] = 0x00000000,c4_fltr_config[14] =
0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        c4_fldenable[15] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[15] = 0x00000000,c4_fltr_config[15] =
0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        c4_fldenable[16] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[16] = 0x00000000,c4_fltr_config[16] =
0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        c4_fldenable[17] = 0x00000000 0x00000000 0x00000000
0x00000000
```

```
        c4_fldnegate[17] = 0x00000000,c4_fltr_config[17] =
0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        c4_fldenable[18] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[18] = 0x00000000,c4_fltr_config[18] =
0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        c4_fldenable[19] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[19] = 0x00000000,c4_fltr_config[19] =
0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        c4_fldenable[20] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[20] = 0x00000000,c4_fltr_config[20] =
0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        c4_fldenable[21] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[21] = 0x00000000,c4_fltr_config[21] =
0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        c4_fldenable[22] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[22] = 0x00000000,c4_fltr_config[22] =
0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        c4_fldenable[23] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[23] = 0x00000000,c4_fltr_config[23] =
0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        c4_fldenable[24] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[24] = 0x00000000,c4_fltr_config[24] =
0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        c4_fldenable[25] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[25] = 0x00000000,c4_fltr_config[25] =
0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        c4_fldenable[26] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[26] = 0x00000000,c4_fltr_config[26] =
0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        c4_fldenable[27] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[27] = 0x00000000,c4_fltr_config[27] =
0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        c4_fldenable[28] = 0x00000000 0x00000000 0x00000000
```

```
0x00000000
        c4_fldnegate[28] = 0x00000000,c4_fltr_config[28] =
0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        c4_fldenable[29] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[29] = 0x00000000,c4_fltr_config[29] =
0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        c4_fldenable[30] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[30] = 0x00000000,c4_fltr_config[30] =
0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        c4_fldenable[31] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[31] = 0x00000000,c4_fltr_config[31] =
0x00000000


Real filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
```

```
Filter 8: Not Installed (FICON CUP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
```

```
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000

Filter dirty indicator: 0x00000000
Performance filters: 0
Port Mirror filters: 0 (0x0)


                FIELD DATA
                ----------

Shadowed fields:

fldoffset[0] = 0x00,fldmask[0] = 0x00,fldvalue_dyna[0]:0x00 0x00
```

0x00 0x00
fldcontrol[0].inuse = 0x0 fldcontrol[0].refcnt = 0x00 0x00 0x00
0x00
fldoffset[1] = 0x00,fldmask[1] = 0x00,fldvalue_dyna[1]:0x00 0x00
0x00 0x00
fldcontrol[1].inuse = 0x0 fldcontrol[1].refcnt = 0x00 0x00 0x00
0x00
fldoffset[2] = 0x00,fldmask[2] = 0x00,fldvalue_dyna[2]:0x00 0x00
0x00 0x00
fldcontrol[2].inuse = 0x0 fldcontrol[2].refcnt = 0x00 0x00 0x00
0x00
fldoffset[3] = 0x00,fldmask[3] = 0x00,fldvalue_dyna[3]:0x00 0x00
0x00 0x00
fldcontrol[3].inuse = 0x0 fldcontrol[3].refcnt = 0x00 0x00 0x00
0x00
fldoffset[4] = 0x00,fldmask[4] = 0x00,fldvalue_dyna[4]:0x00 0x00
0x00 0x00
fldcontrol[4].inuse = 0x0 fldcontrol[4].refcnt = 0x00 0x00 0x00
0x00
fldoffset[5] = 0x00,fldmask[5] = 0x00,fldvalue_dyna[5]:0x00 0x00
0x00 0x00
fldcontrol[5].inuse = 0x0 fldcontrol[5].refcnt = 0x00 0x00 0x00
0x00
fldoffset[6] = 0x00,fldmask[6] = 0x00,fldvalue_dyna[6]:0x00 0x00
0x00 0x00
fldcontrol[6].inuse = 0x0 fldcontrol[6].refcnt = 0x00 0x00 0x00
0x00
fldoffset[7] = 0x00,fldmask[7] = 0x00,fldvalue_dyna[7]:0x00 0x00
0x00 0x00
fldcontrol[7].inuse = 0x0 fldcontrol[7].refcnt = 0x00 0x00 0x00
0x00
fldoffset[8] = 0x00,fldmask[8] = 0x00,fldvalue_dyna[8]:0x00 0x00
0x00 0x00
fldcontrol[8].inuse = 0x0 fldcontrol[8].refcnt = 0x00 0x00 0x00
0x00
fldoffset[9] = 0x00,fldmask[9] = 0x00,fldvalue_dyna[9]:0x00 0x00
0x00 0x00
fldcontrol[9].inuse = 0x0 fldcontrol[9].refcnt = 0x00 0x00 0x00
0x00
fldoffset[10] = 0x00,fldmask[10] = 0x00,fldvalue_dyna[10]:0x00 0x00
0x00 0x00
fldcontrol[10].inuse = 0x0 fldcontrol[10].refcnt = 0x00 0x00 0x00
0x00
fldoffset[11] = 0x00,fldmask[11] = 0x00,fldvalue_dyna[11]:0x00 0x00
0x00 0x00
fldcontrol[11].inuse = 0x0 fldcontrol[11].refcnt = 0x00 0x00 0x00
0x00
fldoffset[12] = 0x00,fldmask[12] = 0x00,fldvalue_dyna[12]:0x00 0x00
0x00 0x00
fldcontrol[12].inuse = 0x0 fldcontrol[12].refcnt = 0x00 0x00 0x00
0x00
fldoffset[13] = 0x00,fldmask[13] = 0x00,fldvalue_dyna[13]:0x00 0x00
0x00 0x00
fldcontrol[13].inuse = 0x0 fldcontrol[13].refcnt = 0x00 0x00 0x00

```
0x00
fldoffset[14] = 0x00,fldmask[14] = 0x00,fldvalue_dyna[14]:0x00 0x00
0x00 0x00
fldcontrol[14].inuse = 0x0  fldcontrol[14].refcnt = 0x00 0x00 0x00
0x00
fldoffset[15] = 0x00,fldmask[15] = 0x00,fldvalue_dyna[15]:0x00 0x00
0x00 0x00
fldcontrol[15].inuse = 0x0  fldcontrol[15].refcnt = 0x00 0x00 0x00
0x00
fldoffset[16] = 0x00,fldmask[16] = 0x00,fldvalue_dyna[16]:0x00 0x00
0x00 0x00
fldcontrol[16].inuse = 0x0  fldcontrol[16].refcnt = 0x00 0x00 0x00
0x00
fldoffset[17] = 0x00,fldmask[17] = 0x00,fldvalue_dyna[17]:0x00 0x00
0x00 0x00
fldcontrol[17].inuse = 0x0  fldcontrol[17].refcnt = 0x00 0x00 0x00
0x00
fldoffset[18] = 0x00,fldmask[18] = 0x00,fldvalue_dyna[18]:0x00 0x00
0x00 0x00
fldcontrol[18].inuse = 0x0  fldcontrol[18].refcnt = 0x00 0x00 0x00
0x00
fldoffset[19] = 0x00,fldmask[19] = 0x00,fldvalue_dyna[19]:0x00 0x00
0x00 0x00
fldcontrol[19].inuse = 0x0  fldcontrol[19].refcnt = 0x00 0x00 0x00
0x00

Real fields:

fldoffset RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fldmask RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fld value4 RAM:
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
Field dirty indicator: 0x00000000
```

```
FDB reference count fdb: 0 [0 0 0 0 ]
FDB reference count fdb: 1 [0 0 0 0 ]
FDB reference count fdb: 2 [0 0 0 0 ]
FDB reference count fdb: 3 [0 0 0 0 ]
FDB reference count fdb: 4 [0 0 0 0 ]
FDB reference count fdb: 5 [0 0 0 0 ]
FDB reference count fdb: 6 [0 0 0 0 ]
FDB reference count fdb: 7 [0 0 0 0 ]
FDB reference count fdb: 8 [0 0 0 0 ]
FDB reference count fdb: 9 [0 0 0 0 ]
FDB reference count fdb: 10 [0 0 0 0 ]
FDB reference count fdb: 11 [0 0 0 0 ]
FDB reference count fdb: 12 [0 0 0 0 ]
FDB reference count fdb: 13 [0 0 0 0 ]
FDB reference count fdb: 14 [0 0 0 0 ]
FDB reference count fdb: 15 [0 0 0 0 ]
FDB reference count fdb: 16 [0 0 0 0 ]
FDB reference count fdb: 17 [0 0 0 0 ]
FDB reference count fdb: 18 [0 0 0 0 ]
FDB reference count fdb: 19 [0 0 0 0 ]

Filter counters:
   Filter counter 0: 0  (MIRROR1)
   Filter counter 1: 0  (MIRROR2)
   Filter counter 2: 0  (MIRROR3)
   Filter counter 3: 0  (MIRROR4)
   Filter counter 4: 0  (AEPORT_NON_MIRR_DROP)
   Filter counter 5: 0  (ZONING TRAP)
   Filter counter 6: 0  (FCR_EXPORT_DC)
   Filter counter 7: 0  (TIN TRAP)
   Filter counter 8: 0  (FICON CUP)
   Filter counter 9: 0  (FICON CUP DST)
   Filter counter 10: 0 (WELL KNOWN ADDR)
   Filter counter 11: 0 (SIM)
   Filter counter 12: 0 (UNUSED)
   Filter counter 13: 0 (UNUSED)
   Filter counter 14: 0 (UNUSED)
   Filter counter 15: 0 (UNUSED)
   Filter counter 16: 0 (PERF1)
   Filter counter 17: 0 (PERF2)
   Filter counter 18: 0 (PERF3)
   Filter counter 19: 0 (PERF4)
   Filter counter 20: 0 (PERF5)
   Filter counter 21: 0 (PERF6)
   Filter counter 22: 0 (PERF7)
   Filter counter 23: 0 (PERF8)
   Filter counter 24: 0 (PERF9)
   Filter counter 25: 0 (PERF10)
   Filter counter 26: 0 (PERF11)
   Filter counter 27: 0 (PERF12)
   Filter counter 28: 0 (OPM1)
   Filter counter 29: 0 (OPM2)
   Filter counter 30: 0 (IPM1)
```

```
   Filter counter 31: 0 (IPM2)

               ACL DATA
               --------
Logical port 18: Hard Zoning disabled, Soft Zoning disabled
Zone type: WWN Zoning
Frames with hard zone miss: 0

*** Please use filterportshow on user port 56 to display ACL hash
tables and Mirroring resources of thischip.
 ***We show this data only for the first physical port which is an
exernal port.

portFcPortCmdShow --slot 0 43 3
doing portFcPortCmdShow: arg1 = 3, arg2 = -2

portshow 43
portDisableReason: None
portCFlags: 0x1
portFlags: 0x1   PRESENT U_PORT
LocalSwcFlags: 0x0
portType:  26.0
POD Port: Port is licensed
portState: 2    Offline
Protocol: FC
portPhys:  4    No_Light        portScn:   2    Offline
port generation number:    0
state transition count:    1

portId:    012b00
portIfId:    43020011
portWwn:   20:2b:d8:1f:cc:2c:99:90
portWwn of device(s) connected:
16b Area list:
Distance:  normal
portSpeed: N32Gbps

FEC: Inactive
Credit Recovery: Inactive
LE domain: 0
Peer beacon: Off
FC Fastwrite: OFF
Interrupts:        0          Link_failure: 0          Frjt:
0
Unknown:           0          Loss_of_sync: 0          Fbsy:
0
Lli:               0          Loss_of_sig:  0
Proc_rqrd:         0          Protocol_err: 0
Timed_out:         0          Invalid_word: 0
Tx_unavail:        0          Invalid_crc:  0
Delim_err:         0          Address_err:  0
Lr_in:             0          Ols_in:       0
Lr_out:            0          Ols_out:      0
```

```
portloginshow 43
Type  PID     World Wide Name         credit df_sz cos
=====================================================


portloginshow 43 -history
 Type  PID      World Wide Name           logout time
=============================================================


portregshow 43

LED registers
=============
0x81c8a000: c4_led_status           00000000    0x81c8a004:
c4_led_ctl              00000000

FPL registers
=============
0x81c88200: fpl_port_config         23298002
0x81c8820c: fpl_port_id_ctl         00000000    0x81c88210:
fpl_port_id_addr        00012b00
0x81c88214: fpl_port_speed          00000004    0x81c8821c:
fpl_lli_ctl             00000100
0x81c88228: fpl_lli_os_ctl          bc94ffff    0x81c8822c:
fpl_lli_send_word       bc95b5b5
0x81c88230: fpl_lli_mark_rx         00000000    0x81c88234:
fpl_lli_rnd_trip_time   00000000
0x81c88238: fpl_lli_ns_status       00130007    0x81c8823c:
fpl_lli_intr_status     00030007
0x81c88244: fpl_lli_def             00100000    0x81c88254:
fpl_lli_intr_enable_clr 001c0000
0x81c88258: fpl_err_intr_status     00000000    0x81c88260:
fpl_err_intr_enable_clr 00000000
0x81c88268: fpl_err_first_error     00000000    0x81c8826c:
fpl_speed_neg_ctl       00000000
0x81c88270: fpl_speed_neg_stat      00000000    0x81c88274:
fpl_softasn_ctl         0000000f
0x81c88278: fpl_link_init_ctl       00000000    0x81c8827c:
fpl_link_init_stat      00000000
0x81c88280: fpl_aec_ctl             001c1060    0x81c88284:
fpl_aec_ctl2            04009f60
0x81c88288: fpl_pcs_ctl             00000170    0x81c8828c:
fpl_fec_ctl             00000424
0x81c88290: fpl_fec_cor             00000000    0x81c88294:
fpl_fec_uncor           00000000
0x81c88298: fpl_hss_link_ctl        0031f040    0x81c8829c:
fpl_afifo_link_ctl      00000a86
0x81c882a0: fpl_echo_lb_ctl         0000028c    0x81c882a4:
fpl_scratch             00000121
0x81c882a8: fpl_debug               00060005    0x81c882ac:
fpl_misc_debug          00000800
0x00000000: SW_shadow_reg           00000000    0x00000000:
```

```
SW_c4_phyp->cfgptr      00030003

per-fpg (per octet) registers
=============================
0x8181382c: fpg_serdes_ctla0        81a37be7    0x81813830:
fpg_serdes_ctla1        81a37be7
0x81813834: fpg_serdes_ctlb0        81a1c3c3    0x81813838:
fpg_serdes_ctlb1        81a1c3c3
0x8181383c: fpg_serdes_xgmii_1ms    00067c28    0x81813840:
fpg_serdes_regtimctl    40e47946
0x81813844: fpg_serdes_asnrsttimctl 00000102

HSS PLL registers
=============================
0x81811400: 00_hssplla_vco_coarse_cal0      00000000    0x81811404:
01_hssplla_vco_coarse_cal1      00000014
0x81811408: 02_hssplla_vco_coarse_cal2      00000000    0x8181140c:
03_hssplla_vco_coarse_cal3      00000000
0x81811410: 04_hssplla_vco_coarse_cal4      00000000    0x81811424:
09_hssplla_power_ctl            00000000
0x81811428: 0A_hssplla_charge_pump_ctl      00000004    0x81811438:
0E_hssplla_pll_misc_ctl         00000000
0x8181143c: 0F_hssplla_pclk_ctl             000000f8    0x81811440:
10_hssplla_eyem_intv_ctl        00000000
0x81811444: 11_hssplla_eyem_intv_lim1       00000000    0x81811448:
12_hssplla_eyem_intv_lim2       00000000
0x8181144c: 13_hssplla_eyem_intv_lim3       00000000    0x81811450:
14_hssplla_eyem_intv_lim4       00000000
0x818114f0: 3C_hssplla_macro_tst_ctl4       00000000    0x818114f4:
3D_hssplla_macro_tst_ctl3       00000000
0x818114f8: 3E_hssplla_macro_tst_ctl2       00000000    0x818114fc:
3F_hssplla_macro_tst_ctl1       00000000
0x81811500: 00_hssp llb_vco_coarse_cal0     0000000a    0x81811504:
01_hssp llb_vco_coarse_cal1     00000014
0x81811508: 02_hssp llb_vco_coarse_cal2     00000000    0x8181150c:
03_hssp llb_vco_coarse_cal3     00000000
0x81811510: 04_hssp llb_vco_coarse_cal4     00000000    0x81811524:
09_hssp llb_power_ctl           00000000
0x81811528: 0A_hssp llb_charge_pump_ctl     00000004    0x81811538:
0E_hssp llb_pll_misc_ctl        00000000
0x8181153c: 0F_hssp llb_pclk_ctl            000000f8    0x81811540:
10_hssp llb_eyem_intv_ctl       00000000
0x81811544: 11_hssp llb_eyem_intv_lim1      00000000    0x81811548:
12_hssp llb_eyem_intv_lim2      00000000
0x8181154c: 13_hssp llb_eyem_intv_lim3      00000000    0x81811550:
14_hssp llb_eyem_intv_lim4      00000000
0x818115f0: 3C_hssp llb_macro_tst_ctl4      00000000    0x818115f4:
3D_hssp llb_macro_tst_ctl3      00000000
0x818115f8: 3E_hssp llb_macro_tst_ctl2      00000000    0x818115fc:
3F_hssp llb_macro_tst_ctl1      00000000

HSS TX registers
================
0x81810100: 00_hsstx_cfg_mode_PHY           00009f48    0x81810104:
```

```
01_hsstx_test_ctl               00000000
0x81810108: 02_hsstx_coeff_ctl_INV          00000000    0x8181010c:
03_hsstx_drv_mode_ctl           00000000
0x81810110: 04_hsstx_drv_ovrd_ctl           00000010    0x81810114:
05_hsstx_dclk_align_ovrd        00000080
0x81810118: 06_hsstx_imp_cal_ovrd           00000c0c    0x8181011c:
07_hsstx_dclk_drift_tol         00000004
0x81810120: 08_hsstx_tap0_coeff_TUNE        00000000    0x81810124:
09_hsstx_tap1_coeff_TUNE        00000003
0x81810128: 0A_hsstx_tap2_coeff_TUNE        00000019    0x8181012c:
0B_hsstx_tap3_coeff_TUNE        00000003
0x81810134: 0D_hsstx_pol_INV                00000004    0x81810138:
0E_hsstx_ae_cmd                 00000000
0x8181013c: 0F_hsstx_ae_stat                00000000    0x81810140:
10_hsstx_ae_tap0_TUNE           00000000
0x81810144: 11_hsstx_ae_tap1_TUNE           00000000    0x81810148:
12_hsstx_ae_tap2_TUNE           00000028
0x8181014c: 13_hsstx_ae_tap3_TUNE           00000000    0x81810154:
15_hsstx_app_tune               0000120e
0x81810158: 16_hsstx_analog_diag            00000000    0x81810160:
18_hsstx_4x_seg_app             0000aa00
0x81810164: 19_hsstx_2x_seg_app             000000aa    0x81810168:
1A_hsstx_1x_seg_app             0000f5e4
0x8181016c: 1B_hsstx_seg_4x_term_app        0000000f    0x81810170:
1C_hsstx_seg_2x1x_term_app      00000001
0x81810174: 1D_hsstx_tap_sign_app           00000004    0x81810178:
1E_hsstx_ext_addr_data          00000001
0x8181017c: 1F_hsstx_ext_addr_addr          00000000    0x81810180:
20_hsstx_pat_buf_bytes_1_0      00000000
0x81810184: 21_hsstx_pat_buf_bytes_3_2      00000000    0x81810188:
22_hsstx_pat_buf_bytes_5_4      00000000
0x8181018c: 23_hsstx_pat_buf_bytes_7_6      00000000    0x8181019c:
27_hsstx_8023az_ctl             00000000
0x818101a0: 28_hsstx_dcc_ctl                000060c0    0x818101a4:
29_hsstx_dcc_ovrd               00000000
0x818101a8: 2A_hsstx_dcc_app                00000103    0x818101ac:
2B_hsstx_dcc_timeout            0000ffff
0x818101c0: 30_hsstx_tap_sign_ovrd          00000000    0x818101c8:
32_hsstx_seg_4x_ovrd            00000000
0x818101cc: 33_hsstx_seg_2x_ovrd            00000000    0x818101d0:
34_hsstx_seg_1x_ovrd            00000000
0x818101d8: 36_hsstx_tap_seg_4x_term_ovrd   00000000    0x818101dc:
37_hsstx_tap_seg_2x_term_ovrd   00000000
0x818101e0: 38_hsstx_tap_seg_1x_term_ovrd   00000000    0x818101ec:
3B_hsstx_mac_test_ctl5          00000000
0x818101f0: 3C_hsstx_mac_test_ctl4          00000000    0x818101f4:
3D_hsstx_mac_test_ctl3          00000000
0x818101f8: 3E_hsstx_mac_test_ctl2          00000000    0x818101fc:
3F_hsstx_mac_test_ctl1          000000c6

HSS RX registers
================
0x81810300: 00_hssrx_cfg_mode_PHY           00009e78    0x81810304:
01_hssrx_test_ctl               00000000
```

```
0x81810308: 02_hssrx_phs_rot_ctl           0000cb80    0x8181030c:
03_hssrx_phs_rot_ofs_ctl        00001610
0x81810310: 04_hssrx_phs_rot_posn1         00001b1c    0x81810314:
05_hssrx_phs_rot_posn2          0000000b
0x81810318: 06_hssrx_phs_rot_sta_ofs1      0000001f    0x8181031c:
07_hssrx_phs_rot_sta_ofs2       00000000
0x81810320: 08_hssrx_dfe_ctl_PHY           00002002    0x81810324:
09_hssrx_dfe_smpl_snap1         00000000
0x81810328: 0A_hssrx_dfe_smpl_snap2        00008000    0x8181032c:
0B_hssrx_vga_ctl1               00004006
0x81810330: 0C_hssrx_vga_ctl2              00007aa0    0x81810334:
0D_hssrx_vga_ctl3               000009e4
0x81810338: 0E_hssrx_pwr_mgmnt_ctl         0000001f    0x8181033c:
0F_hssrx_iqamp_ctl1             00000019
0x81810340: 10_hssrx_iqamp_ctl2            00000004    0x81810344:
11_hssrx_dacap_dacan_sel        00000003
0x81810348: 12_hssrx_dacap_dacan           0000ffff    0x8181034c:
13_hssrx_daca_min               00000000
0x81810350: 14_hssrx_adac_ctl              00000000    0x81810354:
15_hssrx_ac_cp_ctl              000031c3
0x81810358: 16_hssrx_ac_cp_val             00000051    0x8181035c:
17_hssrx_dfe_h1h2h3_lcl_off_ch  00000014
0x81810360: 18_hssrx_dfe_h1h2h3_lcl_off_val 00000000   0x81810364:
19_hssrx_peaked_intg            000000ff
0x81810368: 1A_hssrx_cdr_analog_sw         0000ce00    0x8181036c:
1B_hssrx_peaking_amp_init_c_PHY 00000000
0x81810370: 1C_hssrx_dac_dpc               00000040    0x81810374:
1D_hssrx_ddc                    00000000
0x81810378: 1E_hssrx_int_stat_PHY          00001c0f    0x8181037c:
1F_hssrx_dfe_func_ctl1_PHY      0000ffff
0x81810380: 20_hssrx_dfe_func_ctl2_INV     00007ebf    0x81810384:
21_hssrx_ofs_ch_dcc_qcc_idx     00002000
0x81810388: 22_hssrx_dfe_ofs_val           00007f01    0x8181038c:
23_hssrx_h_coeff_bist           00000401
0x81810390: 24_hssrx_ac_cap_bist           00000000    0x81810394:
25_hssrx_max_gain_path_idx_res  00007800
0x81810398: 26_hssrx_loff_ctl              00000040    0x8181039c:
27_hssrx_sigdet_ctl             00002580
0x818103a0: 28_hssrx_ana_ctl_sw            00000000    0x818103a4:
29_hssrx_intg_dac_ofs           0000b1dc
0x818103a8: 2A_hssrx_eye_ctl               00000000    0x818103ac:
2B_hssrx_eye_met                00000004
0x818103b0: 2C_hssrx_eye_met_err_cnt       00000000    0x818103b4:
2D_hssrx_eye_met_pdf_eyec       00000000
0x818103b8: 2E_hssrx_eye_met_pat_len       0000007f    0x818103bc:
2F_hssrx_dfe_func_ctl3          0000dfff
0x818103c0: 30_hssrx_dfe_tap_ctl_idx_ptr   00000008    0x818103c4:
31_hssrx_dfe_tap                00003030
0x818103c8: 32_hssrx_lte_ctl_TUNE          00001601    0x818103e4:
39_hssrx_int_stat2              0000c1ff
0x818103e8: 3A_hssrx_ac_cpl_cur_src_adj    00000041    0x818103ec:
3B_hssrx_dcd_ctl                00007c49
0x818103f0: 3C_hssrx_dcc_ctl               00000d83    0x818103f4:
3D_hssrx_qcc_ctl                00006983
```

```
0x818103f8: 3E_hssrx_mac_test_ctl2          00000000    0x818103fc:
3F_hssrx_mac_test_ctl1          00000000
0x81810348: 12_hssrx_dacap_dacan[02]                00ff ffff
0x81810360: 18_hssrx_dfe_h1h2h3_lcl_off_va[00]      0000 0000   0000
0000   0000 0000   0000 0000
0x81810360: 18_hssrx_dfe_h1h2h3_lcl_off_va[08]      0000 0000   0000
0000   0000 0000   0000 0000
0x81810360: 18_hssrx_dfe_h1h2h3_lcl_off_va[16]      0000 0000   0000
0000   0000
0x81810388: 22_hssrx_dfe_ofs_val[00][00]            7f01 0000   7905
007f   7b7d 0000
0x81810388: 22_hssrx_dfe_ofs_val[03][00]            7b03 0000   027c
0000   7b07 007f
0x81810388: 22_hssrx_dfe_ofs_val[06][00]            7d03 007f   0003
007f   0803 7f00
0x81810388: 22_hssrx_dfe_ofs_val[09][00]            7d05 0000   010b
007f   0307 0000
0x81810388: 22_hssrx_dfe_ofs_val[12][00]            037e 0000   7901
0000   7901 0000
0x81810388: 22_hssrx_dfe_ofs_val[15][00]            0701 7f00   017f
0000   7d03 0000
0x81810388: 22_hssrx_dfe_ofs_val[18][00]            7979 0000   0301
0000   0000 007f
0x81810388: 22_hssrx_dfe_ofs_val[21][00]            0000 007f   0000
007f   0000 007f
0x81810388: 22_hssrx_dfe_ofs_val[24][00]            7f03 7f00   7b7f
007f   047c 0000
0x81810394: 25_hssrx_max_gain_path_idx_res[00]      005a 0848   1112
18a0   20df 289a   3084 3800
0x81810394: 25_hssrx_max_gain_path_idx_res[08]      40bf 488f   5079
5800   6040 6800   70fe 7800
0x818103c4: 31_hssrx_dfe_tap[00]                    fffe 8080   0000
0000   0030 0030   3030 3030
0x818103c4: 31_hssrx_dfe_tap[08]                    3030 3030   3030
0000
0x818103e8: 3A_hssrx_ac_cpl_cur_src_adj[00]         0041 0041   0041
0041
0x818103ec: 3B_hssrx_dcd_ctl[00]                    7c49 5c00   7c81
5c00   7c00
0x818103f0: 3C_hssrx_dcc_ctl[00]                    0d83 0d82   0d81
0d00
0x818103f4: 3D_hssrx_qcc_ctl[00]                    6987 6983

xfipcs, fec, aec, & aet registers
=================================
0x81c88400: xfipcs_reg              [00] 00002040 00000080 00000000
00000000    00000001 00000008 00000000 00000000
0x81c88420: xfipcs_reg              [08] 00008401 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c88440: xfipcs_reg              [16] 00000000 00000000 00000000
00000000    00000040 00000000 00000000 00000000
0x81c88460: xfipcs_reg              [24] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c88480: xfipcs_reg              [32] 00000004 00000000 00000000
```

```
00000000    00000000 00000000 00000000 00000000
0x81c88620: fec_32g_128g_reg        [08] 00000000 00008003 00000000
00000000    00000000 00000000 00000000
0x81c88648: fec_32g_128g_reg        [18] 00000000 00000000 00000000
00000000    00000000 00000000 00000000
0x81c88a00: aec_reg                 [00] 00000000 00000000 00000000
00000000    00000040 00000000 00000000 00002490
0x81c88c00: aet_reg                 [00] 000000b0 00007000 000008c4
00000000    00000000

bbc registers
=============
0x81c89800: bbc_trc                 0    0    0    0    0    0    0
0
0x81c89840: bbc_trc                 0    0    0    0    0    0    0
0
0x81c89880: bbc_trc                 0    0    0    0    0    0    0
0
0x81c898c0: bbc_trc                 0    0    0    0    0    0    0
0
0x81c89900: bbc_trc                 0    0    0    0    0    0    0
0
0x81c89804: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c89844: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c89884: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c898c4: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c89904: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c89a00: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c89a20: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c89a40: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c89a60: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c89a80: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c89c00: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c89c20: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c89c40: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c89c60: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c89c80: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c89d00: bbc_fbpc                00000000    0x81c89d04: bbc_csc
00000000
```

```
0x81c89d08: bbc_rcc_inc             00000000    0x81c89d0c:
bbc_rqc_inc             00000000
0x81c89d10: bbc_fbpc_inc            00000000    0x81c89d14:
bbc_tmc_inc             00000000
0x81c89d18: bbc_threshold           00080100    0x81c89d1c:
bbc_counter_clr         00000000
0x81c89d20: bbc_debug_en            00000000    0x81c89d24: bbc_ctrl
00200120
0x81c89d28: bbc_rqc_rcc_thresh      00000055    0x81c89d34:
bbc_bb_sc_n             00000000
0x81c89d38: bbc_crd_reco_debug      00000000    0x81c89d3c:
bbc_crd_reco_debug_data 00000000
0x81c89d40: bbc_multi_frm_loss_cnt  00000000    0x81c89d44:
bbc_multi_rdy_loss_cnt  00000000
0x81c89d48: bbc_1frm_loss_recov_cnt 00000000    0x81c89d4c:
bbc_1rdy_loss_recov_cnt 00000000
0x81c89d58: bbc_int_status          00000000    0x81c89d5c:
bbc_int_set             00000000
0x81c89d60: bbc_int_first           00000000    0x81c89d64:
bbc_frm_rdy_rx_err_addr 00000000
0x81c89d68: bbc_frm_rdy_tx_err_addr 00000000    0x81c89d6c:
bbc_trc_mbc_err_addr    00000000
0x81c89d70: bbc_frm_rdy_rx_dbl_ecc  00000000    0x81c89d74:
bbc_frm_rdy_tx_dbl_ecc  00000000
0x81c89d78: bbc_trc_mbc_dbl_ecc     00000000
0x81c89d7c: bbc_fsm_status          00001011    0x81c89d80:
bbc_force_err           00000000
0x81c89d84: bbc_crdt_avail0         00000000    0x81c89d88:
bbc_crdt_avail1         00000000
0x81c89d8c: bbc_scratch             00000000

FPS registers
=============
0x81c88004: fps_er_enc_in           00000000    0x81c88008:
fps_er_crc              00000000
0x81c8800c: fps_er_trunc            00000000    0x81c88010:
fps_er_toolong          00000000
0x81c88014: fps_er_bad_eof          00000000    0x81c88018:
fps_er_enc_out          00000000
0x81c8801c: fps_er_bad_os           00000000    0x81c88020:
fps_er_flush            00000000
0x81c88024: fps_er_ifg              00000000    0x81c88038:
fps_er_crc_good_eof     00000000
0x81c8803c: fps_inv_arb             00000000    0x81c88040:
fps_slow_sts_status     00000000
0x81c88044: fps_tx_frm_cnt          00000000    0x81c88048:
fps_rx_frm_cnt          00000000
0x81c88050: fps_tx_word_cnt_hi      00000000    0x81c8804c:
fps_tx_word_cnt_lo      00000000
0x81c88058: fps_rx_word_cnt_hi      00000000    0x81c88054:
fps_rx_word_cnt_lo      00000000

BAL registers
=============
```

```
0x81c8f000: bal_desired_buf         00000000    0x81c8f004:
bal_alloc_buf           00000000
0x81c8f008: bal_busy_buf            00000000    0x81c8f00c:
bal_usable_buf          00000000
0x81c8f010: bal_max_bor_buf         00000000
0x81c8f014: bal_busy_buf_thresh     00000002

TXQ registers
=============
0x81c8b004: txq_phys_port_ctl       00410000
0x81c8b050: txq_link_skew           00000000
0x81c8b068: txq_cr_lk_dttn_intr_sts [00] 00000000 00000000
0x81c8b070: txq_cr_lk_dttn_intr_en  [00] 00000000 00000000
0x81c8b024: txq_disc_frm_trap_cnt   00000014

FDS registers
=============
0x81c8c000: fds_rxf_ctl             00000002    0x81c8c004:
fds_rxf_wait_thresh     00000909
0x81c8c018: fds_rxf_first_error     00000000    0x81c8c01c:
fds_rxf_first_error_info00000000
0x81c8c020: fds_rxf_inout_pkt_cnt   00000000
0x81c8c008: fds_rxf_err_int_status  00000000    0x81c8c024:
fds_rxf_fifo_status     00888888
0x81c8d000: fds_txf_ctl             0000003a    0x81c8d004:
fds_txf_wait_ifg_thresh 00a00106
0x81c8d008: fds_txf_err_int_status  00000000    0x81c8d024:
fds_txf_fifo_status     00088888
0x81c8d02c: fds_txf_bbc_scs         00000000

Logical TXQ registers
=====================
0x81c8b000: txq_log_port_ctl        00000002    0x81c8b008:
txq_port_status         00000000
0x81c8b00c: txq_todo_flags          [00] 00000000 00000000
0x81c8b014: txq_spd_match_desc      [00] 00000000 00000000 00000000
00000000
0x81c8b024: txq_spd_match_desc      [04] 00000014
0x81c8b028: txq_vc_weight           [00] 01010101 01010101 01010101
01010101
0x81c8b038: txq_vc_weight           [04] 01010101 01010101 01010101
01010101
0x81c8b048: txq_vc_weight           [08] 01010101 00010101
0x81c8b054: txq_cong_dttn_ctrl      00000106
0x81c8b058: txq_cong_dttn_intr_sts  [00] 00000000 00000000
0x81c8b060: txq_cong_dttn_intr_en   [00] 00000000 00000000
0x81c8b078: txq_bw_limit_en_reg     [00] 00000000 00000000
0x81c8b080: txq_bw_gua_en_reg       [00] 00000000 00000000
0x81c8b088: txq_vc_group            [00] 03030300 03030303 03030303
03030303
0x81c8b098: txq_vc_group            [04] 03030303 03030303 03030303
03030303
0x81c8b0a8: txq_vc_group            [08] 03030303 03030303 00000000
00000000
```

```
0x81c8b0b0: txq_bw_thresh_group     [00] 00000000 00000000 00000000
00000000
0x81c8b0c0: txq_bw_thresh_group     [04] 00000000 00000000 00000000
00000000
0x81c8b0d0: txq_bw_thresh_group     [08] 00000000 00000000 00000000
00000000
0x81c8b0e0: txq_bw_thresh_group     [12] 00000000 00000000 00000000
00000000
0x81c8b0f0: txq_bw_thresh_group     [16] 00000000 00000000 00000000
00000000
0x81c8b100: txq_bw_thresh_group     [20] 00000000 00000000 00000000
00000000
0x81c8b110: txq_bw_thresh_group     [24] 00000000 00000000 00000000
00000000
0x81c8b120: txq_bw_thresh_group     [28] 00000000 00000000 00000000
00000000
0x81c8b130: txq_bw_thresh_group     [32] 00000000 00000000 00000000
00000000
0x81c8b140: txq_bw_thresh_group     [36] 00000000 00000000 00000000
00000000

txq Congestion detection Statistics RAM
=======================================
0x81090aa0: vc[0]       00000000        0x81090aa4: vc[1]
00000000
0x81090aa8: vc[2]       00000000        0x81090aac: vc[3]
00000000
0x81090ab0: vc[4]       00000000        0x81090ab4: vc[5]
00000000
0x81090ab8: vc[6]       00000000        0x81090abc: vc[7]
00000000
0x81090ac0: vc[8]       00000000        0x81090ac4: vc[9]
00000000
0x81090ac8: vc[10]      00000000        0x81090acc: vc[11]
00000000
0x81090ad0: vc[12]      00000000        0x81090ad4: vc[13]
00000000
0x81090ad8: vc[14]      00000000        0x81090adc: vc[15]
00000000
0x81090ae0: vc[16]      00000000        0x81090ae4: vc[17]
00000000
0x81090ae8: vc[18]      00000000        0x81090aec: vc[19]
00000000
0x81090af0: vc[20]      00000000        0x81090af4: vc[21]
00000000
0x81090af8: vc[22]      00000000        0x81090afc: vc[23]
00000000
0x81090b00: vc[24]      00000000        0x81090b04: vc[25]
00000000
0x81090b08: vc[26]      00000000        0x81090b0c: vc[27]
00000000
0x81090b10: vc[28]      00000000        0x81090b14: vc[29]
00000000
0x81090b18: vc[30]      00000000        0x81090b1c: vc[31]
```

```
00000000
0x81090b20: vc[32]      00000000        0x81090b24: vc[33]
00000000
0x81090b28: vc[34]      00000000        0x81090b2c: vc[35]
00000000
0x81090b30: vc[36]      00000000        0x81090b34: vc[37]
00000000
0x81090b38: vc[38]      00000000        0x81090b3c: vc[39]
00000000


Logical STS registers
=====================
0x81584d44: sts_ftb_type1_miss      00000000
0x81584d48: sts_ftb_type2_miss      00000000
0x81584d4c: sts_ftb_type6_miss      00000000
0x81584d50: sts_hard_zoning_miss    00000000
0x81584d54: sts_lun_zoning_miss     00000000
0x81584d5c: sts_unroutable          00000000
0x81581d74: sts_rte_cl2             00000000    0x81581d78:
sts_rte_cl3             00000000        0x81581d7c: sts_rte_link_ctl
00000000        0x81584d68: sts_tx_timeout          00000000

Logical STS filter registers
=====================
0x81584cc0: sts_flt_trig            [00] 00000000 00000000 00000000
00000000
0x81584cd0: sts_flt_trig            [04] 00000000 00000000 00000000
00000000
0x81584ce0: sts_flt_trig            [08] 00000000 00000000 00000000
00000000
0x81584cf0: sts_flt_trig            [12] 00000000 00000000 00000000
00000000
0x81584d00: sts_flt_trig            [16] 00000000 00000000 00000000
00000000
0x81584d10: sts_flt_trig            [20] 00000000 00000000 00000000
00000000
0x81584d20: sts_flt_trig            [24] 00000000 00000000 00000000
00000000
0x81584d30: sts_flt_trig            [28] 00000000 00000000 00000000
00000000
0x81584d40: sts_flt_trig            [32]

Logical STS discard registers
=====================
0x815828b4: disc_mcast_wka          00000000    0x815828b8:
disc_inv_did            00000000
0x815828bc: disc_cl1_cl4            00000000    0x815828c0:
disc_sid_chk_fail       00000000
0x815828c4: disc_inv_dom_egid_txpt  00000000    0x815828c8:
disc_vft_hop_cnt_1      00000000
0x815828cc: disc_classf             00000000    0x815828d0:
disc_fcp_cdb_inv        00000000
0x815828d4: disc_vfid_trap_enabled  00000000    0x815828d8:
```

```
disc_vfid_hdr_chk_fail  00000000
0x815828dc: disc_shim_cksum_fail    00000000    0x815828e0:
disc_fed_edit_cmd_err   00000000
0x815828e4: disc_ftb_vm_mode        00000000    0x815828e8:
disc_ftb_agn_t2_miss    00000000
0x815828ec: disc_ecb_reserved       00000000    0x815828f0:
disc_ecb_de_pad_err     00000000
0x815828f4: disc_ecb_de_tag_err     00000000    0x815828f8:
disc_ecb_de_seq_err     00000000
0x815828fc: disc_ecb_err            00000000    0x81582900:
disc_ftb_type4_match    00000000
0x81582904: disc_fcp_rsp_ftb_type4  00000000    0x81582908:
disc_ftb_type5_match    00000000
0x8158290c: disc_ftb_type3_match    00000000    0x81582910:
disc_els_ftb_type3      00000000
0x81582914: disc_ftb_type1_match    00000000    0x81582918:
disc_els_rsp_ex_port    00000000
0x8158291c: disc_inv_drp_dps        00000000    0x81582920:
disc_did_lookup_miss    00000000
0x81582924: disc_ftb_type2_match    00000000    0x81582928:
disc_trpd_plogi_pdisc   00000000
0x8158292c: disc_type2_lookup_miss  00000000    0x81582930:
disc_ftb_type6_match    00000000
0x81582934: disc_els_rep_ex_port    00000000    0x81582938:
disc_els_sid_lkup_bit1  00000000
0x8158293c: disc_els_sid_lkup_bit0  00000000    0x81582940:
disc_bls_frm_trap_bit1  00000000
0x81582944: disc_ftb_token_err      00000000    0x81582948:
disc_asic_internal_err  00000000
0x8158294c: disc_hard_zone_miss     00000000    0x81582950:
disc_lun_zone_miss      00000000
0x81582954: disc_flt_frame_disc     00000000    0x81582958:
disc_flt_parity_err     00000000
0x8158295c: disc_frame_marked_du    00000000    0x81582960:
disc_frame_marked_to    00000000
0x81582964: disc_lkup_rte_prty_err  00000000


portstatsshow 43
stat_wtx                0                   4-byte words transmitted
stat_wrx                0                   4-byte words received
stat_ftx                0                   Frames transmitted
stat_frx                0                   Frames received
stat_c2_frx             0                   Class 2 frames received
stat_c3_frx             0                   Class 3 frames received
stat_lc_rx              0                   Link control frames
received
stat_mc_rx              0                   Multicast frames
received
stat_mc_to              0                   Multicast timeouts
stat_mc_tx              0                   Multicast frames
transmitted
tim_txcrd_z             0                   Time TX Credit Zero
(2.5Us ticks)
```

```
tim_txcrd_z_vc  0- 3:  0           0           0           0
tim_txcrd_z_vc  4- 7:  0           0           0           0
tim_txcrd_z_vc  8-11:  0           0           0           0
tim_txcrd_z_vc 12-15:  0           0           0           0
lat_tot_pkt_vc  0- 3:  1           1           1           1
lat_tot_pkt_vc  4- 7:  1           1           1           1
lat_tot_pkt_vc  8-11:  1           1           1           1
lat_tot_pkt_vc 12-15:  1           1           1           1
lat_hi_time_vc  0- 3:  0           0           0           0
lat_hi_time_vc  4- 7:  0           0           0           0
lat_hi_time_vc  8-11:  0           0           0           0
lat_hi_time_vc 12-15:  0           0           0           0
lat_lo_time_vc  0- 3:  1           1           1           1
lat_lo_time_vc  4- 7:  1           1           1           1
lat_lo_time_vc  8-11:  1           1           1           1
lat_lo_time_vc 12-15:  1           1           1           1
max_latency_vc  0- 3:  1           1           1           1
max_latency_vc  4- 7:  1           1           1           1
max_latency_vc  8-11:  1           1           1           1
max_latency_vc 12-15:  1           1           1           1
latency_dma_ts          09-09-2024 UTC Mon 08:47:24             TXQ
Latency DMA TimeStamp
fec_cor_detected        0                   Count of blocks that
were corrected by FEC
fec_uncor_detected      0                   Count of blocks that
were left uncorrected by FEC
er_enc_in               0                   Encoding errors inside
of frames
er_crc                  0                   Frames with CRC errors
er_trunc                0                   Frames shorter than
minimum
er_toolong              0                   Frames longer than
maximum
er_bad_eof              0                   Frames with bad end-of-
frame
er_enc_out              0                   Encoding error outside
of frames
er_bad_os               0                   Invalid ordered set
er_pcs_blk              0                   PCS block errors
er_rx_c3_timeout        0                   Class 3 receive frames
discarded due to timeout
er_tx_c3_timeout        0                   Class 3 transmit frames
discarded due to timeout
er_unroutable           0                   Frames that are
unroutable
er_unreachable          0                   Frame with unreachable
destination
er_other_discard        0                   Other discards
er_type1_miss           0                   frames with FTB type 1
miss
er_type2_miss           0                   frames with FTB type 2
miss
er_type6_miss           0                   frames with FTB type 6
miss
```

```
er_zone_miss            0                   frames with hard zoning
miss
er_lun_zone_miss        0                   frames with LUN zoning
miss
er_crc_good_eof         0                   Crc error with good eof
er_inv_arb              0                   Invalid ARB
er_single_credit_loss   0                   Single vcrdy/frame loss
on link
er_multi_credit_loss    0                   Multiple vcrdy/frame
loss on link
other_credit_loss       0                   Link timeout/complete
credit loss
phy_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
phy_port stats clear
lgc_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
lgc_port stats clear
fec_corrected_rate      0                   FEC Corrected blocks per
second

portstats64show 43
stat64_wtx      0           top_int : 4-byte words transmitted
                0           bottom_int : 4-byte words transmitted
stat64_wrx      0           top_int : 4-byte words received
                0           bottom_int : 4-byte words received
stat64_ftx      0           top_int : Frames transmitted
                0           bottom_int : Frames transmitted
stat64_frx      0           top_int : Frames received
                0           bottom_int : Frames received
stat64_c2_frx   0           top_int : Class 2 frames received
                0           bottom_int : Class 2 frames received
stat64_c3_frx   0           top_int : Class 3 frames received
                0           bottom_int : Class 3 frames received
stat64_lc_rx    0           top_int : Link control frames received
                0           bottom_int : Link control frames
received
stat64_mc_rx    0           top_int : Multicast frames received
                0           bottom_int : Multicast frames received
stat64_mc_to    0           top_int : Multicast timeouts
                0           bottom_int : Multicast timeouts
stat64_mc_tx    0           top_int : Multicast frames transmitted
                0           bottom_int : Multicast frames
transmitted
tim64_rdy_pri   0           top_int : Time R_RDY high priority
                0           bottom_int : Time R_RDY high priority
tim64_txcrd_z   0           top_int : Time BB_credit zero
                0           bottom_int : Time BB_credit zero
er64_enc_in     0           top_int : Encoding errors inside of
frames
                0           bottom_int : Encoding errors inside of
frames
er64_crc        0           top_int : Frames with CRC errors
                0           bottom_int : Frames with CRC errors
er64_trunc      0           top_int : Frames shorter than minimum
                0           bottom_int : Frames shorter than minimum
```

```
er64_toolong    0           top_int : Frames longer than maximum
                0           bottom_int : Frames longer than maximum
er64_bad_eof    0           top_int : Frames with bad end-of-frame
                0           bottom_int : Frames with bad end-of-
frame
er64_enc_out    0           top_int : Encoding error outside of
frames
                0           bottom_int : Encoding error outside of
frames
er64_disc_c3    0           top_int : Class 3 frames discarded
                0           bottom_int : Class 3 frames discarded
er64_pcs_blk    0           top_int : PCS block errors
                0           bottom_int : PCS block errors
stat64_rateTxFrame      0           Tx frame rate (fr/sec)
stat64_rateRxFrame      0           Rx frame rate (fr/sec)
stat64_rateTxPeakFrame  0           Tx peak frame rate (fr/sec)
stat64_rateRxPeakFrame  0           Rx peak frame rate (fr/sec)
stat64_rateTxWord       0           Tx Word rate (words/sec)
stat64_rateRxWord       0           Rx Word rate (words/sec)
stat64_rateTxPeakWord   0           Tx peak Word rate (words/sec)
stat64_rateRxPeakWord   0           Rx peak Word rate (words/sec)
stat64_PRJTFrames       0           top_int : Number of PRJT frames
returned to this port
                        0           bottom_int : Number of PRJT
frames returned to this port
stat64_PBSYFrames       0           top_int : Number of PBSY frames
returned to this port
                        0           bottom_int : Number of PBSY
frames returned to this port
stat64_inputBuffersFull 0           top_int : Number of occurrences
when all input buffers full
                        0           bottom_int : Number of
occurrences when all input buffers full
stat64_rxClass1Frames   0           top_int : Number of class 1
frames received
                        0           bottom_int : Number of class 1
frames received
stat64_aveTxFrameSize   0           Average Tx Frame size
stat64_aveRxFrameSize   0           Average Rx Frame size
Lr_in           0           top_int
                0           bottom_int
Ols_in          0           top_int
                0           bottom_int
Lr_out          0           top_int
                0           bottom_int
Ols_out         0           top_int
                0           bottom_int
Link_failure    0           top_int
                0           bottom_int
Invalid_CRC     0           top_int
                0           bottom_int
Invalid_word    0           top_int
                0           bottom_int
Protocol_err    0           top_int
```

```
                0           bottom_int
Loss_of_sig     0           top_int
                0           bottom_int
Loss_of_sync    0           top_int
                0           bottom_int
er_bad_os       0           top_int : Invalid ordered set
                0           bottom_int: Invalid ordered set


portrouteshow 43
port address ID: 0x012b00
external unicast routing table:
   0: Embedded
 255: Embedded
internal unicast routing table:
   0: Embedded

portcamshow 43
--------------------------------------------------
Port  SID used  DID used  SID entries  DID entries
43     0         0         000000       000000
--------------------------------------------------

ptbufshow, ptcreditshow, ptdatashow, ptstatsshow 43
S:
S:VF Enable:            1
S:
S:C4 Global Variable:
S:-------------------------------------------------------------------
---------
S:trace_stop:           0
S:
S:C4 Phy Data Pointers: c4_phyp = 0xb6ad6180
S:-------------------------------------------------------------------
---------
S:tnodep                        0xbb83ea80      pt
        0x43028011
S:proto_phyp            0xb8809360      phy_cfg
0xb6ad8000
S:c4_chp                        0x97e28000      c4_lgcp
0x97f8c000
S:c4_phy_regp           0x81c88000      proc_dir
0xb8519500
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4345678      num_port_timer          12
S:prev_if_id            0x43020011      S:ftx                   0
        tov                     0
S:initialized           1               port_idx                17
S:ui_idx                        43              slot_no
        0
S:blade_idx             17              sw_usr_ports            400
S:unused                        0               intr_debounced
        0
```

```
S:aec_status            0x0             reason_code
        0
S:debug                 0x00000004      debug_trc_line          0
S:rxbuf_list_head       0xffffffff      rxbuf_list_tail
0xffffffff
S:isAePort                      0               port_misc_data
                0
S:num_fault1_rx_disc    0               num_fault2_rx_disc      0
S:p_lli_cause0          0               p_sig_regained          0
S:p_sync_regained               0               enc_out
        0x0
S:cached_fps_status     0               cached_sts_status       0
S:cached_er_crc_good_eof        0
S:cached_er_bad_os      0               cached_er_too_long      0
S:cached_er_trunc       0
cached_tot_er_crc_good_eof      0
S:num_pt_excess_intr    0               num_no_fid              0
S:num_fault1_cnt                0               num_fault2_cnt
        0
S:num_fault_lip         0               num_fault_lli           0
S:num_fault_rx_fifo     0               num_fault_hss           0
S:num_fault_bwait               0               lli_intr_prim
        0
S:num_sw_link_to                0
be_link_err_mon_count           0
S:ecb_enc_enabled               0               ecb_comp_enabled
                0
S:ecb_rsv_enc           0               ecb_rsv_comp            0
S:ecb_enc_bm            0x0             ecb_key_index
0xffffffff
S:fab_idx               0
S:num_be_lto            0               lto_count_reset_intvl
        0
S:lr_count_reset_intvl          0               num_be_lr
        0
S:num_fault_qsfp                0               check_lto
        0
S:credit_loaded         0               num_credit_overrun
        0
S:fec_enabled           0x0             fec_los_to_flag         0x0
S:phy_stats_clear_ts            1725611419      pcs_err_online
        0
S:pcs_err_light_det             0               pcs_err_ignore
        0
S:pcs_blk_err           0               pcs_hiber               0
S:phy_port_status               0               ecb_enc_lr_count
                0
S:dport_mode            0               avoid_lto_det           0
S:sn_debounced          0x0             sn_started_kr_reqd      0
S:major_timer_started   0x0             ready_bm                0x0
S:parln_1_bm            0x0             parln_0_bm              0x0
S:be_los_of_sync_event_intvl            0
be_los_of_sync_event            0
S:erratePtenable_cntr           0               errataPoll_cntr
```

```
        0
S:jda_rx_sig_loss_det           0               jda_rx_sig_loss_cnt
                0
S:encrypt_blk_error             0
S:
S:      c4_trunk
S:=======================================
S:mark_ts               0x0             deskew                  0x0
S:master_phyp           0x0
S:
S:adelay[00]: 0x00000000 0x00000000 0x00000000 0x00000000
S:adelay[04]: 0x00000000 0x00000000 0x00000000 0x00000000
S:
S:      c4_buf
S:=======================================
S:tx_csc                        0               rx_csc
        0
S:ld_vc_credits         0               tx_flag                 0x0
S:alloc_buffers         0               req_buffers             0
S:est_buffers           20              ld_use_est              0
S:bb_sc_n                       0               rx_bb_sc_n
        0
S:data_cr                       5               nondata_cr
        6
S:cr_enable             0
S:ld_nondata_cr         6               tnodep
0xbb83eb60
S:tx_credits[0] 0    0    0    0    0    0    0    0
S:tx_credits[8] 0    0    0    0    0    0    0    0
S:tx_credits[16]        0    0    0    0    0    0    0    0
S:tx_credits[24]        0    0    0    0    0    0    0    0
S:tx_credits[32]        0    0    0    0    0    0    0    0
S:rx_credits[0] 0    0    0    0    0    0    0    0
S:rx_credits[8] 0    0    0    0    0    0    0    0
S:rx_credits[16]        0    0    0    0    0    0    0    0
S:rx_credits[24]        0    0    0    0    0    0    0    0
S:rx_credits[32]        0    0    0    0    0    0    0    0
S:tx_mbc[0]     0    0    0    0    0    0    0    0
S:tx_mbc[8]     0    0    0    0    0    0    0    0
S:tx_mbc[16]    0    0    0    0    0    0    0    0
S:tx_mbc[24]    0    0    0    0    0    0    0    0
S:tx_mbc[32]    0    0    0    0    0    0    0    0
S:rx_mbc[0]     0    0    0    0    0    0    0    0
S:rx_mbc[8]     0    0    0    0    0    0    0    0
S:rx_mbc[16]    0    0    0    0    0    0    0    0
S:rx_mbc[24]    0    0    0    0    0    0    0    0
S:rx_mbc[32]    0    0    0    0    0    0    0    0
S:
S:C4 Chip Variables: c4_phyp->c4_chp = 0x97e28000
S:-------------------------------------------------------------------
---------
S:version = 2.1
S:magic_id              0xc4234567      init_state              0x8
S:reset_reg_mem         0x1
```

```
S:ch_int0_en_bm         0x0             intr0_cause             0x0
S:ch_int1_en_bm         0x0             intr1_cause             0x0
S:ch_int2_en_bm         0x0             intr2_cause             0x0
S:ch                    0x43010080      ch_cfg
0xb7013ba0
S:raslog_hndl.hndl      0x0             obj_halted              0x0
S:c4_chip_regp          0x80000000      c4_fpg_regp
0x81800000
S:num_chip_timer        0x5
S:hi_task_bm            0x0             lo_task_bm              0x0
S:c4_deferq.q_head      0x0             c4_deferq.q_tail        0x0
S:c4_tmrq.q_head        0x0             c4_tmrq.q_tail          0x0
slot_no                 0
S:chip_inst             0               chip_idx                0
S:pll_initialized               1
pll_serdes_initialized  1
S:init_tries            0               init_ptEnableBM
0xba01b488
S:tick_polling          0xb980c9c0      sec_polling
0xb980c960
S:bb_fid                        129
S:ecb_key_bm[0]         0x0             ecb_key_bm[1]           0x0
S:ecb_key_bm[2]         0x0             ecb_key_bm[3]           0x0
S:is_chip_enc_enabled                   0
is_chip_comp_enabled    0x0
S:ftb_rsrcp->ftb_flags  0x0             act_rsrcp->act_flag     0x1
S:lue_rsrcp->lue_flags[0]       0x0             lue_rsrcp-
>lue_flags[1]   0x0
S:c4_phyp[00]: 0xb6ab0000 0xb6ab2080 0xb6ab4100 0xb6ab6180
S:c4_phyp[04]: 0xb6ab9040 0xb6abb0c0 0xb6abd140 0xb6ac0000
S:c4_phyp[08]: 0xb6ac2080 0xb6ac4100 0xb6ac6180 0xb6ac9040
S:c4_phyp[12]: 0xb6acb0c0 0xb6acd140 0xb6ad0000 0xb6ad2080
S:c4_phyp[16]: 0xb6ad4100 0xb6ad6180 0xb6ad9040 0xb6adb0c0
S:c4_phyp[20]: 0xb6add140 0xb6ae0000 0xb6ae2080 0xb6ae4100
S:c4_phyp[24]: 0xb6ae6180 0xb6ae9040 0xb6aeb0c0 0xb6aed140
S:c4_phyp[28]: 0xb6af0000 0xb6af2080 0xb6af4100 0xb6af6180
S:c4_phyp[32]: 0xb6af9040 0xb6afb0c0 0xb6afd140 0xb6b00000
S:c4_phyp[36]: 0xb6b02080 0xb6b04100 0xb6b06180 0xb6b09040
S:c4_phyp[40]: 0xb6b0b0c0 0xb6b0d140 0xb6b10000 0xb6b12080
S:c4_phyp[44]: 0xb6b14100 0xb6b16180 0xb6b19040 0xb6b1b0c0
S:c4_phyp[48]: 0xb6b1d140 0xb6b20000 0xb6b22080 0xb6b24100
S:c4_phyp[52]: 0xb6b26180 0xb6b29040 0xb6b2b0c0 0xb6b2d140
S:c4_phyp[56]: 0xb6b30000 0xb6b32080 0xb6b34100 0xb6b36180
S:c4_phyp[60]: 0xb6b39040 0xb6b3b0c0 0xb6b3d140 0xb6b40000
S:c4_lgcp[00]: 0x97f48000 0x97f4c000 0x97f50000 0x97f54000
S:c4_lgcp[04]: 0x97f58000 0x97f5c000 0x97f60000 0x97f64000
S:c4_lgcp[08]: 0x97f68000 0x97f6c000 0x97f70000 0x97f74000
S:c4_lgcp[12]: 0x97f78000 0x97f7c000 0x97f80000 0x97f84000
S:c4_lgcp[16]: 0x97f88000 0x97f8c000 0x97f90000 0x97f94000
S:c4_lgcp[20]: 0x97f98000 0x97f9c000 0x97fa0000 0x97fa4000
S:c4_lgcp[24]: 0x97fa8000 0x97fac000 0x97fb0000 0x97fb4000
S:c4_lgcp[28]: 0x97fb8000 0x97fbc000 0x97fc0000 0x97fc4000
S:c4_lgcp[32]: 0x97fc8000 0x97fcc000 0x97fd0000 0x97fd4000
S:c4_lgcp[36]: 0x97fd8000 0x97fdc000 0x97fe0000 0x97fe4000
```

```
S:c4_lgcp[40]: 0x97fe8000 0x97fec000 0x97ff0000 0x97ff4000
S:c4_lgcp[44]: 0x97ff8000 0x97ffc000 0x8e000000 0x8e004000
S:c4_lgcp[48]: 0x8e008000 0x8e00c000 0x8e010000 0x8e014000
S:c4_lgcp[52]: 0x8e018000 0x8e01c000 0x8e020000 0x8e024000
S:c4_lgcp[56]: 0x8e028000 0x8e02c000 0x8e030000 0x8e034000
S:c4_lgcp[60]: 0x8e038000 0x8e03c000 0x8e040000 0x8e044000
S:chip_timers[00]: 0xb980c720 0xb980c780 0xb980c7e0 0xb980c840
S:chip_timers[04]: 0xb980c8a0 0xb980c900
S:disc_trap_enable_required     0x0             rxlp_disc_log_stop
        0x0
S:curr_rxlp_frm_cnt     0x0             curr_rxlp_disc_frm_cnt  0x0
S:sw_disc_frm_cnt       0x0             last_disc_frm_cnt       0x0
S:txq_nopop_pr_cnt      0x0             pollErrataDfe_ptBM
0xba01b4b0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][0]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][1]  0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][2]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][0] 0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][1]       0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][2] 0x0
S:
S:C4 Logical Port Variables
S:-----------------------------------------------------------------
---------
S:c4_lgc_regp           0x81c88000
S:c4_phyp:
S:      0xb6ad6180      0x0             0x0             0x0

S:      0x0             0x0             0x0             0x0

S:master_phyp           0xb6ad6180      if_id
0x43020011
S:min_phyp              0x0             max_phyp                0x0
S:num_phy_ports         1               lgc_num                 17
S:num_iu_to             0               sw_txq_bm
        0
S:port_fid              128             unused                  0
S:port_group            2               lgc_stats_clear_ts
                1725611419
S:domain_tbl_sel                0               area_tbl_sel
        0
S:egid_tbl_sel          0
S:serv_lo_bm            0x0
S:
S:Proto Phy Variables:
S:-----------------------------------------------------------------
---------
S:magic_id              0xc4123456      asic_phyp
0xb6ad6180
S:port_id                       0x43028011      phy_cfg
        0xb6ad8000
S:upsm_hdl              0xb8015000      physm_hdl
0xb8014d20
S:ov_snsm_hdl           0xb8014be0      sw_snsm_hdl
```

```
0xb8014c80
S:ov_lksm_hdl           0xb8014dc0      sw_lksm_hdl
0xb8014e60
S:trksm_hdl             0xb8014f00      lr_flag         0x0
S:lr_active             0x0             qsfp_txrx_rate_sel
        0x0
S:
S:UPSM      UP00: UPST_PORT_DISABLED    --> UP01:
UPST_START_PORT_INIT
S:SNSM(OV)  SN00: OV_SNST_STOPPED       --> SN00: OV_SNST_STOPPED
S:SNSM(SW)  SW00: SW_SNST_STAGE_WS      --> SW00: SW_SNST_STAGE_WS
S:PHYSM     UNKNOWN     --> PP03: PHYST_NO_SIGNAL
S:LKSM(OV)  LK00: OV_LKST_INACTIVE      --> LK00: OV_LKST_INACTIVE
S:LKSM(SW)  SW13: INACTIVE              --> SW13: INACTIVE
S:TRKSM     TRK0: TRKST_INIT            --> TRK0: TRKST_INIT
S:
S:physm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8809360      physm_hdl
0xb8014d20
S:force_offline         0               copper                  0
S:fault_reason          0: UNKNOWN
S:phy_media_present             1
S:
S:snsm variables:
S:-------------------------------------------------------------------
---------
S:speed                 0xff            proto_phyp
0xb8809360
S:hw_sn_tries_left      0x0             sw_sn_tries_left        0x0
S:curr_txsp_count               0x0
S:tx_max                        0x0             curr_tx_indx
        0x0
S:curr_tx                       0x0             curr_rxsp_count
        0x0
S:rx_max                        0x0             curr_rx_indx
        0x0
S:curr_rx                       0x0             rx_mem
        0x0
S:rxsp_rec_count                0x0
S:nc_start              0x0             tx_start                0x0
S:sync_start            0x0             sync_present            0x0
S:diag_auto             0x0             diag_speed              0xff
S:striped_wd_tov                3000            hw_wd_tov
        3000
S:step                  0x0             qsfp28_speed_mode
        0x0
S:qsfp_mode0_hw_sn_tries_left           0x0
S:qsfp_mode1_hw_sn_tries_left           0x0
S:
S:lksm variables:
S:-------------------------------------------------------------------
---------
```

```
S:proto_phyp            0xb8809360      ov_lksm_hdl
0xb8014dc0
sw_lksm_hdl             0xb8014e60
num_lf1                 0
S:hw_link_tries_left    0               sw_link_tries_left      0
S:buf_ptype             0x0             stored_entry_state      0x6
S:handshake_owner               0x0             mark_unsent
        0x0
S:busybuf_stuck         0x0             lr_wait                 0x0
S:
S:trksm variables:
S:-------------------------------------------------------------------
---------
S:Not a trunk port
S:
S:upsm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8809360      upsm_hdl
0xb8015000
S:bb_credits            0               port_beacon             0
S:port_diag_flag                0               force_offline
        0
S:port_fault_rsn                0: PORT_NO_FAULT
S:retry_init_rsn                0: UNKNOWN
S:linit_reason          0               linit_result            0
S:ie_fctl_mode          0               fec_in_sync_tries_left  0
S:retry_sn_fail_init    0
retry_link_fail_init    0
S:excess_lr_count       0
S:
S:c4_ch_cfg
S:-------------------------------------------------------------------
---------
S:c4_desc_ring_size     256      292      256      256      292
292      2        292      292
S:thresh_def            0        16       1        0
S:intr_tries            500             cmem_pattern
0xdeadbeef
S:cmem_pattern_upwd     2               cmem_init_time          16
S:cmem_init_tries               5
S:ctrl_par_thresh               2               data_par_thresh
        4
S:cam_par_thresh                4               buf_loss_thresh
        12
S:crit_par_thresh               2               non_crit_par_thresh
        6
S:pci_abort_thresh      10              pci_err_thresh          5
S:excess_chintr_thresh  8               sw_err_thresh           20
S:err_sample_period     300             intr_sleep
20000
S:frame_timeout 2500            proxy_dev               16384
S:vf_route      81920           qos             2048
S:stats 2048            f_redirect              2048
```

```
S:rsp_trap      2048            lun_zoning              20480
S:area_mode     0               ftb_max_loop[0]         0
S:ftb_max_loop[1]       6               ftb_max_loop[2]         9
S:ftb_max_loop[3]       10              ftb_max_loop[4]         10
S:ftb_max_loop[5]       5               ftb_max_loop[6]         6
S:ftb_seg_size[0]       0               ftb_seg_size[1]
16384
S:ftb_seg_size[2]       65536           ftb_seg_size[3]
16384
S:ftb_seg_size[4]       16384           ftb_seg_size[5]
65536
S:ftb_seg_size[6]       16384           ftb_seg_base[0]         0
S:ftb_seg_base[1]       0               ftb_seg_base[2]
65536
S:ftb_seg_base[3]       16384           ftb_seg_base[4]
32768
S:ftb_seg_base[5]       131072          ftb_seg_base[6]
49152
asic_err_monitor_period1                300
asic_err_monitor_period2                86400
zone_chk_to_poll_period 25
zone_chk_class2_reject_tov              220
S:
S:c4_phy_cfg
S:-------------------------------------------------------------------
---------
S:version = 2.1
S:pt                    0x43028011      fab_ptr
0x9a800000
S:fabattr                       0x9a8000d4      fab_iop
        0x9a800050
S:cfgbm                 0xbb83e8c4      port_ctrl
0xb6ad8018
S:pcap.pcap_bm          0x8d215547      pcap.pcap2_bm
0x588289
S:pcap.pcap3_bm         0x1bebe0c
ui_idx                  43              S:slot_no
        0
is_icl                  0               S:sw_usr_ports          400
S:neg_speed             0 0 0 0 0 0
S:my_domain             0x1             port_mode               0x0
S:hw_sn_maxtries                100             sw_sn_maxtries
        0
S:hw_link_maxtries      10              sw_link_maxtries        5
S:rx_cyc_tov            28              rttov                   300
S:bufrdy_tov            300             busybuf_tov             286
S:mark_tov              300             lksm_tov                3000
S:buf_dealloc_wait      4               hw_wd_tov               3000
S:hw_lk_train_tov               540             hw_lk_test_tov
        150
S:syswait_tx_12_lips    1               lip_rx_tov              55
S:al_time_tov           15              lp_tov                  2000
S:intr_tries_port               500             intr_mod_debounce
        250
```

```
S:intr_lsr_flt_debounce 500             intr_efifo_debounce     100
S:port_no_fid           3               excess_ptintr_thresh    8
S:port_fault1_thresh    100             port_fault1_spur_thresh 250
S:port_fault1_disc_thresh       500
port_fault1_disc_spur_thresh    1000
S:port_fault2_thresh    5               losync_tov              100
S:port_sw_link_to               15              en_8g_scramble
        1
frc_hw_sn_mode          0x1
S:enc_poll_thresh               0               fec_enable
        0
S:fec_in_sync_to                50              fec_in_sync_try_max
        4
S:port_be_lto_threshold         100             port_be_lr_threshold
                2
S:be_cr_in_sync_to              5
port_credit_overrun_thresh              10
S:jda_sfp_losig_tov             400
jda_sfp_losig_try_max           30
S:striped_wd_tov                3000
no_sync_debounce                1200
S:
S:      fab_iop
S:======================================
S:fab_iop->interop_mode 0x0             fab_iop->lab_mode       0x0
S:fab_iop->fl_bbc               0x0             fab_iop->fl_fan
        0x0
S:fab_iop->fl_cls               0x4             fab_iop->fl_rscn
        0x0
S:fab_iop->domain_id_offset     0x60            fab_iop-
>mcdt_fabric_mode       0x0
S:fab_iop->mcdt_default_zone            0x0             fab_iop-
>mcdt_safe_zone         0x0
S:
S:      port_ctrl
S:======================================
S:port_ctrl.port_type   1               port_ctrl.port_grp      2
S:port_ctrl.port_number 43              port_ctrl.vc_mode       1
S:
S:      port_ctrl.lcap
S:======================================
S:has_serdes            0               has_media               1
S:topology              1               skip_nego               0
S:skip_pnego            0               skip_init_event         0
S:en_shim                       0               speed_neg
        1
S:loop_back             0               num_speeds              5
S:fec_enable            0
S:
S:      port_ctrl.speed_list array
S:======================================
S:speed_list[0].auto_neg  1     speed_list[0].lnk_speed  0x0000000a
S:speed_list[1].auto_neg  1     speed_list[1].lnk_speed  0x00000008
S:speed_list[2].auto_neg  0     speed_list[2].lnk_speed  0x00000006
```

```
S:speed_list[3].auto_neg  1     speed_list[3].lnk_speed  0x00000005
S:speed_list[4].auto_neg  0     speed_list[4].lnk_speed  0x00000003
S:speed_list[5].auto_neg  0     speed_list[5].lnk_speed  0x00000000
S:
S:      port_ctrl.cm
S:=====================================
S:port_ctrl.cm.num_vcs          8
S:port_ctrl.cm.min_bufs         8
S:port_ctrl.cm.cr_shar_bufs     0
S:port_ctrl.vc_alloc
S:port_ctrl.vc_alloc            2 0 1 1 1 1 1 1
S:port_ctrl.vc_alloc            0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.norm_vc_alloc
S:port_ctrl.norm_vc_alloc       4 0 5 5 5 5 1 1
S:port_ctrl.norm_vc_alloc       0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.cm.skip_bb_credit           0
S:port_ctrl.cm.use_shim_based_sublist           0
S:
S:      port_ctrl.serdes_set
S:=====================================
S:serdes_type           0x8
S:serdes_data_t.ibm_hss_serdes.tx_drive_power           0x1
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b_sign      0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_a           0x0
S:serdes_data_t.ibm_hss_serdes.rxeq                     0x0
S:
S:      cfgbm
S:=====================================
S:old_distance          0x0             gport_lockdown          0x0
S:tport                 0x1             speed                   0x0
S:disable_eport         0x0             fcacc                   0x0
S:lport_lockdown                0x0             priv_lport_lockdown
        0x0
S:vcxlt_linit           0x0             delay_flogi             0x0
S:isl_interop           0x0             distance                0x0
S:BufStarvFlag          0x0             credit_sharing          0x0
S:lport_halfduplex      0x0             lport_fairness          0x0
S:soft_neg              0x0             asn_frc_hwretry         0x0
S:cr_recov              0x0             fport_buffers           0x0
S:export                        0x0             export_mode
        0x0
S:csctl_en              0x0             mirror_port             0x0
S:fault_delay           0x0             non_dfe                 0x0
S:fec_configured*(0=ENAB)       0               fec_tts
        0
S:port_persistently_disabled (permanently) 0 (0)
S:
S:      cfg property
S:=====================================
S:priv_pcfg_bm          0x00000000      lgcl_pcfg_bm
0xbb83e904
```

```
S:fport_buffer          0x00000000
S:
S:
S:C4 Discard Cntrs: rxlp_stats = 0xb6ad6530
S:-----------------------------------------------------------------
---------
S:disc_mcast_wka        0x0             disc_inv_did            0x0
S:disc_cl1_cl4          0x0             disc_sid_chk_fail       0x0
S:disc_inv_dom_egid_txpt        0x0             disc_vft_hop_cnt_1
        0x0
S:disc_classf           0x0             disc_fcp_cdb_inv        0x0
S:disc_vfid_trap_enabled        0x0
disc_vfid_hdr_chk_fail  0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_ftb_vm_mode      0x0             disc_ftb_agn_t2_miss    0x0
S:disc_ecb_de_pad_err   0x0             disc_ecb_de_tag_err     0x0
S:disc_ecb_de_seq_err   0x0             disc_ecb_err            0x0
S:disc_ftb_type4_match  0x0             disc_fcp_rsp_ftb_type4  0x0
S:disc_fcp_rsp_ftb_type4        0x0             disc_ftb_type5_match
        0x0
S:disc_ftb_type3_match  0x0             disc_els_ftb_type3      0x0
S:disc_ftb_type1_match  0x0             disc_els_rsp_ex_port    0x0
S:disc_inv_drp_dps      0x0             disc_did_lookup_miss    0x0
S:disc_ftb_type2_match  0x0             disc_trpd_plogi_pdisc   0x0
S:disc_type2_lookup_miss        0x0             disc_ftb_type6_match
        0x0
S:disc_els_rep_ex_port  0x0             disc_els_sid_lkup_bit1  0x0
S:disc_els_sid_lkup_bit0        0x0
disc_bls_frm_trap_bit1  0x0
S:disc_ftb_token_err    0x0             disc_asic_internal_err  0x0
S:disc_hard_zone_miss   0x0             disc_lun_zone_miss      0x0
S:disc_flt_frame_disc   0x0             disc_flt_parity_err     0x0
S:disc_frame_marked_du  0x0             disc_frame_marked_to    0x0
E:Connection type: FE
E:Port type: F_port
E:Trunk port: No
E:Configured Speed: AUTO_SPEED_NEGO
E:Max Capable Speed: 32G
E:Current SNSM Speed: UNDEFINED
E:Hardware TX Speed: 32G (0x00000004)
E:Hardware RX Speed: 32G (0x00000040)
E:
E:Interrupts:   0           Link_failure:       0
Loss_of_sync:   0           Loss_of_sig:        0
E:Lli:          0           Invalid_word:       0
E:trapped_frm:  0           fwd_status_ok:      0
E:fwd_timeout:  0           fwd_tx_unavail:     0
E:fwd_unroutable:       0           fwd_zone_out:       0
E:fwd_other_err:        0           frm_err_discard:    0
E:Fltr listA:   0           Fltr listB:         0
E:Zone trap fwd:        0           Zone trap disc:     0
E:shim_csum:    0           RTE_perr:           0
E:Invalid_crc:  0           Delim_err:          0
```

```
E:Protocol_err: 0
E:Lr_in:        0           Lr_out:             0
E:Ols_in:       0           Ols_out:            0


filterportshow 43

                FILTER DATA
                -----------
Shadow settings:
   Filter Enable: 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass: 0x00000000
Real settings:
   Enable RAM: 0x00000000, 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
```

```
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass RAM: 0x00000000

Shadowed filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        c4_fldenable[0] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[0] = 0x00000000,c4_fltr_config[0] = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        c4_fldenable[1] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[1] = 0x00000000,c4_fltr_config[1] = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        c4_fldenable[2] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[2] = 0x00000000,c4_fltr_config[2] = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        c4_fldenable[3] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[3] = 0x00000000,c4_fltr_config[3] = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        c4_fldenable[4] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[4] = 0x00000000,c4_fltr_config[4] = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        c4_fldenable[5] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[5] = 0x00000000,c4_fltr_config[5] = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        c4_fldenable[6] = 0x00000000 0x00000000 0x00000000
```

```
0x00000000
        c4_fldnegate[6] = 0x00000000,c4_fltr_config[6] = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        c4_fldenable[7] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[7] = 0x00000000,c4_fltr_config[7] = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        c4_fldenable[8] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[8] = 0x00000000,c4_fltr_config[8] = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        c4_fldenable[9] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[9] = 0x00000000,c4_fltr_config[9] = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        c4_fldenable[10] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[10] = 0x00000000,c4_fltr_config[10] =
0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        c4_fldenable[11] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[11] = 0x00000000,c4_fltr_config[11] =
0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        c4_fldenable[12] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[12] = 0x00000000,c4_fltr_config[12] =
0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        c4_fldenable[13] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[13] = 0x00000000,c4_fltr_config[13] =
0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        c4_fldenable[14] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[14] = 0x00000000,c4_fltr_config[14] =
0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        c4_fldenable[15] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[15] = 0x00000000,c4_fltr_config[15] =
0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        c4_fldenable[16] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[16] = 0x00000000,c4_fltr_config[16] =
0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        c4_fldenable[17] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[17] = 0x00000000,c4_fltr_config[17] =
0x00000000
```

```
Filter 18: Not Installed (PERF3)(LISTA)
        c4_fldenable[18] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[18] = 0x00000000,c4_fltr_config[18] =
0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        c4_fldenable[19] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[19] = 0x00000000,c4_fltr_config[19] =
0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        c4_fldenable[20] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[20] = 0x00000000,c4_fltr_config[20] =
0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        c4_fldenable[21] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[21] = 0x00000000,c4_fltr_config[21] =
0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        c4_fldenable[22] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[22] = 0x00000000,c4_fltr_config[22] =
0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        c4_fldenable[23] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[23] = 0x00000000,c4_fltr_config[23] =
0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        c4_fldenable[24] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[24] = 0x00000000,c4_fltr_config[24] =
0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        c4_fldenable[25] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[25] = 0x00000000,c4_fltr_config[25] =
0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        c4_fldenable[26] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[26] = 0x00000000,c4_fltr_config[26] =
0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        c4_fldenable[27] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[27] = 0x00000000,c4_fltr_config[27] =
0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        c4_fldenable[28] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[28] = 0x00000000,c4_fltr_config[28] =
```

```
0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        c4_fldenable[29] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[29] = 0x00000000,c4_fltr_config[29] =
0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        c4_fldenable[30] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[30] = 0x00000000,c4_fltr_config[30] =
0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        c4_fldenable[31] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[31] = 0x00000000,c4_fltr_config[31] =
0x00000000


Real filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
```

```
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
```

```
Filter 22: Not Installed (PERF7)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000

Filter dirty indicator: 0x00000000
Performance filters: 0
Port Mirror filters: 0 (0x0)


               FIELD DATA
               ----------

Shadowed fields:

fldoffset[0] = 0x00,fldmask[0] = 0x00,fldvalue_dyna[0]:0x00 0x00
0x00 0x00
fldcontrol[0].inuse = 0x0  fldcontrol[0].refcnt = 0x00 0x00 0x00
```

0x00
fldoffset[1] = 0x00,fldmask[1] = 0x00,fldvalue_dyna[1]:0x00 0x00
0x00 0x00
fldcontrol[1].inuse = 0x0 fldcontrol[1].refcnt = 0x00 0x00 0x00
0x00
fldoffset[2] = 0x00,fldmask[2] = 0x00,fldvalue_dyna[2]:0x00 0x00
0x00 0x00
fldcontrol[2].inuse = 0x0 fldcontrol[2].refcnt = 0x00 0x00 0x00
0x00
fldoffset[3] = 0x00,fldmask[3] = 0x00,fldvalue_dyna[3]:0x00 0x00
0x00 0x00
fldcontrol[3].inuse = 0x0 fldcontrol[3].refcnt = 0x00 0x00 0x00
0x00
fldoffset[4] = 0x00,fldmask[4] = 0x00,fldvalue_dyna[4]:0x00 0x00
0x00 0x00
fldcontrol[4].inuse = 0x0 fldcontrol[4].refcnt = 0x00 0x00 0x00
0x00
fldoffset[5] = 0x00,fldmask[5] = 0x00,fldvalue_dyna[5]:0x00 0x00
0x00 0x00
fldcontrol[5].inuse = 0x0 fldcontrol[5].refcnt = 0x00 0x00 0x00
0x00
fldoffset[6] = 0x00,fldmask[6] = 0x00,fldvalue_dyna[6]:0x00 0x00
0x00 0x00
fldcontrol[6].inuse = 0x0 fldcontrol[6].refcnt = 0x00 0x00 0x00
0x00
fldoffset[7] = 0x00,fldmask[7] = 0x00,fldvalue_dyna[7]:0x00 0x00
0x00 0x00
fldcontrol[7].inuse = 0x0 fldcontrol[7].refcnt = 0x00 0x00 0x00
0x00
fldoffset[8] = 0x00,fldmask[8] = 0x00,fldvalue_dyna[8]:0x00 0x00
0x00 0x00
fldcontrol[8].inuse = 0x0 fldcontrol[8].refcnt = 0x00 0x00 0x00
0x00
fldoffset[9] = 0x00,fldmask[9] = 0x00,fldvalue_dyna[9]:0x00 0x00
0x00 0x00
fldcontrol[9].inuse = 0x0 fldcontrol[9].refcnt = 0x00 0x00 0x00
0x00
fldoffset[10] = 0x00,fldmask[10] = 0x00,fldvalue_dyna[10]:0x00 0x00
0x00 0x00
fldcontrol[10].inuse = 0x0 fldcontrol[10].refcnt = 0x00 0x00 0x00
0x00
fldoffset[11] = 0x00,fldmask[11] = 0x00,fldvalue_dyna[11]:0x00 0x00
0x00 0x00
fldcontrol[11].inuse = 0x0 fldcontrol[11].refcnt = 0x00 0x00 0x00
0x00
fldoffset[12] = 0x00,fldmask[12] = 0x00,fldvalue_dyna[12]:0x00 0x00
0x00 0x00
fldcontrol[12].inuse = 0x0 fldcontrol[12].refcnt = 0x00 0x00 0x00
0x00
fldoffset[13] = 0x00,fldmask[13] = 0x00,fldvalue_dyna[13]:0x00 0x00
0x00 0x00
fldcontrol[13].inuse = 0x0 fldcontrol[13].refcnt = 0x00 0x00 0x00
0x00
fldoffset[14] = 0x00,fldmask[14] = 0x00,fldvalue_dyna[14]:0x00 0x00

```
0x00 0x00
fldcontrol[14].inuse = 0x0  fldcontrol[14].refcnt = 0x00 0x00 0x00
0x00
fldoffset[15] = 0x00,fldmask[15] = 0x00,fldvalue_dyna[15]:0x00 0x00
0x00 0x00
fldcontrol[15].inuse = 0x0  fldcontrol[15].refcnt = 0x00 0x00 0x00
0x00
fldoffset[16] = 0x00,fldmask[16] = 0x00,fldvalue_dyna[16]:0x00 0x00
0x00 0x00
fldcontrol[16].inuse = 0x0  fldcontrol[16].refcnt = 0x00 0x00 0x00
0x00
fldoffset[17] = 0x00,fldmask[17] = 0x00,fldvalue_dyna[17]:0x00 0x00
0x00 0x00
fldcontrol[17].inuse = 0x0  fldcontrol[17].refcnt = 0x00 0x00 0x00
0x00
fldoffset[18] = 0x00,fldmask[18] = 0x00,fldvalue_dyna[18]:0x00 0x00
0x00 0x00
fldcontrol[18].inuse = 0x0  fldcontrol[18].refcnt = 0x00 0x00 0x00
0x00
fldoffset[19] = 0x00,fldmask[19] = 0x00,fldvalue_dyna[19]:0x00 0x00
0x00 0x00
fldcontrol[19].inuse = 0x0  fldcontrol[19].refcnt = 0x00 0x00 0x00
0x00

Real fields:

fldoffset RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fldmask RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fld value4 RAM:
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
Field dirty indicator: 0x00000000

FDB reference count fdb: 0 [0 0 0 0 ]
```

```
FDB reference count fdb: 1 [0 0 0 0 ]
FDB reference count fdb: 2 [0 0 0 0 ]
FDB reference count fdb: 3 [0 0 0 0 ]
FDB reference count fdb: 4 [0 0 0 0 ]
FDB reference count fdb: 5 [0 0 0 0 ]
FDB reference count fdb: 6 [0 0 0 0 ]
FDB reference count fdb: 7 [0 0 0 0 ]
FDB reference count fdb: 8 [0 0 0 0 ]
FDB reference count fdb: 9 [0 0 0 0 ]
FDB reference count fdb: 10 [0 0 0 0 ]
FDB reference count fdb: 11 [0 0 0 0 ]
FDB reference count fdb: 12 [0 0 0 0 ]
FDB reference count fdb: 13 [0 0 0 0 ]
FDB reference count fdb: 14 [0 0 0 0 ]
FDB reference count fdb: 15 [0 0 0 0 ]
FDB reference count fdb: 16 [0 0 0 0 ]
FDB reference count fdb: 17 [0 0 0 0 ]
FDB reference count fdb: 18 [0 0 0 0 ]
FDB reference count fdb: 19 [0 0 0 0 ]

Filter counters:
   Filter counter 0: 0  (MIRROR1)
   Filter counter 1: 0  (MIRROR2)
   Filter counter 2: 0  (MIRROR3)
   Filter counter 3: 0  (MIRROR4)
   Filter counter 4: 0  (AEPORT_NON_MIRR_DROP)
   Filter counter 5: 0  (ZONING TRAP)
   Filter counter 6: 0  (FCR_EXPORT_DC)
   Filter counter 7: 0  (TIN TRAP)
   Filter counter 8: 0  (FICON CUP)
   Filter counter 9: 0  (FICON CUP DST)
   Filter counter 10: 0 (WELL KNOWN ADDR)
   Filter counter 11: 0 (SIM)
   Filter counter 12: 0 (UNUSED)
   Filter counter 13: 0 (UNUSED)
   Filter counter 14: 0 (UNUSED)
   Filter counter 15: 0 (UNUSED)
   Filter counter 16: 0 (PERF1)
   Filter counter 17: 0 (PERF2)
   Filter counter 18: 0 (PERF3)
   Filter counter 19: 0 (PERF4)
   Filter counter 20: 0 (PERF5)
   Filter counter 21: 0 (PERF6)
   Filter counter 22: 0 (PERF7)
   Filter counter 23: 0 (PERF8)
   Filter counter 24: 0 (PERF9)
   Filter counter 25: 0 (PERF10)
   Filter counter 26: 0 (PERF11)
   Filter counter 27: 0 (PERF12)
   Filter counter 28: 0 (OPM1)
   Filter counter 29: 0 (OPM2)
   Filter counter 30: 0 (IPM1)
   Filter counter 31: 0 (IPM2)
```

```
                ACL DATA
                --------
Logical port 17: Hard Zoning disabled, Soft Zoning disabled
Zone type: WWN Zoning
Frames with hard zone miss: 0

*** Please use filterportshow on user port 56 to display ACL hash
tables and Mirroring resources of thischip.
 ***We show this data only for the first physical port which is an
exernal port.

portFcPortCmdShow --slot 0 44 3
doing portFcPortCmdShow: arg1 = 3, arg2 = -2

portshow 44
portDisableReason: None
portCFlags: 0x1
portFlags: 0x1   PRESENT U_PORT
LocalSwcFlags: 0x0
portType:  26.0
POD Port: Port is licensed
portState: 2    Offline
Protocol: FC
portPhys:  4    No_Light        portScn:   2    Offline
port generation number:    0
state transition count:    1

portId:    012c00
portIfId:    43020017
portWwn:   20:2c:d8:1f:cc:2c:99:90
portWwn of device(s) connected:
16b Area list:
Distance:  normal
portSpeed: N32Gbps

FEC: Inactive
Credit Recovery: Inactive
LE domain: 0
Peer beacon: Off
FC Fastwrite: OFF
Interrupts:        0         Link_failure: 0         Frjt:
0
Unknown:           0         Loss_of_sync: 0         Fbsy:
0
Lli:               0         Loss_of_sig:  0
Proc_rqrd:         0         Protocol_err: 0
Timed_out:         0         Invalid_word: 0
Tx_unavail:        0         Invalid_crc:  0
Delim_err:         0         Address_err:  0
Lr_in:             0         Ols_in:       0
Lr_out:            0         Ols_out:      0


portloginshow 44
```

```
Type  PID     World Wide Name        credit df_sz cos
=====================================================


portloginshow 44 -history
 Type  PID      World Wide Name           logout time
============================================================


portregshow 44

LED registers
=============
0x81cba000: c4_led_status           00000000    0x81cba004:
c4_led_ctl              00000000

FPL registers
=============
0x81cb8200: fpl_port_config         23298002
0x81cb820c: fpl_port_id_ctl         00000000    0x81cb8210:
fpl_port_id_addr        00012c00
0x81cb8214: fpl_port_speed          00000004    0x81cb821c:
fpl_lli_ctl             00000100
0x81cb8228: fpl_lli_os_ctl          bc94ffff    0x81cb822c:
fpl_lli_send_word       bc95b5b5
0x81cb8230: fpl_lli_mark_rx         00000000    0x81cb8234:
fpl_lli_rnd_trip_time   00000000
0x81cb8238: fpl_lli_ns_status       00130007    0x81cb823c:
fpl_lli_intr_status     00030007
0x81cb8244: fpl_lli_def             00100000    0x81cb8254:
fpl_lli_intr_enable_clr 001c0000
0x81cb8258: fpl_err_intr_status     00000000    0x81cb8260:
fpl_err_intr_enable_clr 00000000
0x81cb8268: fpl_err_first_error     00000000    0x81cb826c:
fpl_speed_neg_ctl       00000000
0x81cb8270: fpl_speed_neg_stat      00000000    0x81cb8274:
fpl_softasn_ctl         0000000f
0x81cb8278: fpl_link_init_ctl       00000000    0x81cb827c:
fpl_link_init_stat      00000000
0x81cb8280: fpl_aec_ctl             001c1060    0x81cb8284:
fpl_aec_ctl2            04009f60
0x81cb8288: fpl_pcs_ctl             00000170    0x81cb828c:
fpl_fec_ctl             00000424
0x81cb8290: fpl_fec_cor             00000000    0x81cb8294:
fpl_fec_uncor           00000000
0x81cb8298: fpl_hss_link_ctl        0031f040    0x81cb829c:
fpl_afifo_link_ctl      00000a86
0x81cb82a0: fpl_echo_lb_ctl         0000028c    0x81cb82a4:
fpl_scratch             00000121
0x81cb82a8: fpl_debug               00060005    0x81cb82ac:
fpl_misc_debug          00000800
0x00000000: SW_shadow_reg           00000000    0x00000000:
SW_c4_phyp->cfgptr      00030003
```

```
per-fpg (per octet) registers
=============================
0x8181382c: fpg_serdes_ctla0        81a37be7    0x81813830:
fpg_serdes_ctla1        81a37be7
0x81813834: fpg_serdes_ctlb0        81a1c3c3    0x81813838:
fpg_serdes_ctlb1        81a1c3c3
0x8181383c: fpg_serdes_xgmii_1ms    00067c28    0x81813840:
fpg_serdes_regtimctl    40e47946
0x81813844: fpg_serdes_asnrsttimctl 00000102

HSS PLL registers
=============================
0x81813400: 00_hssplla_vco_coarse_cal0      00000000    0x81813404:
01_hssplla_vco_coarse_cal1      00000014
0x81813408: 02_hssplla_vco_coarse_cal2      00000000    0x8181340c:
03_hssplla_vco_coarse_cal3      00000000
0x81813410: 04_hssplla_vco_coarse_cal4      00000000    0x81813424:
09_hssplla_power_ctl            00000000
0x81813428: 0A_hssplla_charge_pump_ctl      00000004    0x81813438:
0E_hssplla_pll_misc_ctl         00000000
0x8181343c: 0F_hssplla_pclk_ctl             000000f8    0x81813440:
10_hssplla_eyem_intv_ctl        00000000
0x81813444: 11_hssplla_eyem_intv_lim1       00000000    0x81813448:
12_hssplla_eyem_intv_lim2       00000000
0x8181344c: 13_hssplla_eyem_intv_lim3       00000000    0x81813450:
14_hssplla_eyem_intv_lim4       00000000
0x818134f0: 3C_hssplla_macro_tst_ctl4       00000000    0x818134f4:
3D_hssplla_macro_tst_ctl3       00000000
0x818134f8: 3E_hssplla_macro_tst_ctl2       00000000    0x818134fc:
3F_hssplla_macro_tst_ctl1       00000000
0x81813500: 00_hssp1lb_vco_coarse_cal0      0000000a    0x81813504:
01_hssp1lb_vco_coarse_cal1      00000014
0x81813508: 02_hssp1lb_vco_coarse_cal2      00000000    0x8181350c:
03_hssp1lb_vco_coarse_cal3      00000000
0x81813510: 04_hssp1lb_vco_coarse_cal4      00000000    0x81813524:
09_hssp1lb_power_ctl            00000000
0x81813528: 0A_hssp1lb_charge_pump_ctl      00000004    0x81813538:
0E_hssp1lb_pll_misc_ctl         00000000
0x8181353c: 0F_hssp1lb_pclk_ctl             000000f8    0x81813540:
10_hssp1lb_eyem_intv_ctl        00000000
0x81813544: 11_hssp1lb_eyem_intv_lim1       00000000    0x81813548:
12_hssp1lb_eyem_intv_lim2       00000000
0x8181354c: 13_hssp1lb_eyem_intv_lim3       00000000    0x81813550:
14_hssp1lb_eyem_intv_lim4       00000000
0x818135f0: 3C_hssp1lb_macro_tst_ctl4       00000000    0x818135f4:
3D_hssp1lb_macro_tst_ctl3       00000000
0x818135f8: 3E_hssp1lb_macro_tst_ctl2       00000000    0x818135fc:
3F_hssp1lb_macro_tst_ctl1       00000000

HSS TX registers
================
0x81812500: 00_hsstx_cfg_mode_PHY           00009f48    0x81812504:
01_hsstx_test_ctl               00000000
0x81812508: 02_hsstx_coeff_ctl_INV          00000000    0x8181250c:
```

```
03_hsstx_drv_mode_ctl           00000000
0x81812510: 04_hsstx_drv_ovrd_ctl           00000010    0x81812514:
05_hsstx_dclk_align_ovrd        00000080
0x81812518: 06_hsstx_imp_cal_ovrd           00000c0c    0x8181251c:
07_hsstx_dclk_drift_tol         00000004
0x81812520: 08_hsstx_tap0_coeff_TUNE        00000000    0x81812524:
09_hsstx_tap1_coeff_TUNE        00000003
0x81812528: 0A_hsstx_tap2_coeff_TUNE        00000019    0x8181252c:
0B_hsstx_tap3_coeff_TUNE        00000003
0x81812534: 0D_hsstx_pol_INV                00000004    0x81812538:
0E_hsstx_ae_cmd                 00000000
0x8181253c: 0F_hsstx_ae_stat                00000000    0x81812540:
10_hsstx_ae_tap0_TUNE           00000000
0x81812544: 11_hsstx_ae_tap1_TUNE           00000000    0x81812548:
12_hsstx_ae_tap2_TUNE           00000028
0x8181254c: 13_hsstx_ae_tap3_TUNE           00000000    0x81812554:
15_hsstx_app_tune               0000120e
0x81812558: 16_hsstx_analog_diag            00000000    0x81812560:
18_hsstx_4x_seg_app             0000aa00
0x81812564: 19_hsstx_2x_seg_app             000000aa    0x81812568:
1A_hsstx_1x_seg_app             0000f5e4
0x8181256c: 1B_hsstx_seg_4x_term_app        0000000f    0x81812570:
1C_hsstx_seg_2x1x_term_app      00000001
0x81812574: 1D_hsstx_tap_sign_app           00000004    0x81812578:
1E_hsstx_ext_addr_data          00000001
0x8181257c: 1F_hsstx_ext_addr_addr          00000000    0x81812580:
20_hsstx_pat_buf_bytes_1_0      00000000
0x81812584: 21_hsstx_pat_buf_bytes_3_2      00000000    0x81812588:
22_hsstx_pat_buf_bytes_5_4      00000000
0x8181258c: 23_hsstx_pat_buf_bytes_7_6      00000000    0x8181259c:
27_hsstx_8023az_ctl             00000000
0x818125a0: 28_hsstx_dcc_ctl                000060c0    0x818125a4:
29_hsstx_dcc_ovrd               00001000
0x818125a8: 2A_hsstx_dcc_app                00000105    0x818125ac:
2B_hsstx_dcc_timeout            0000ffff
0x818125c0: 30_hsstx_tap_sign_ovrd          00000000    0x818125c8:
32_hsstx_seg_4x_ovrd            00000000
0x818125cc: 33_hsstx_seg_2x_ovrd            00000000    0x818125d0:
34_hsstx_seg_1x_ovrd            00000000
0x818125d8: 36_hsstx_tap_seg_4x_term_ovrd   00000000    0x818125dc:
37_hsstx_tap_seg_2x_term_ovrd   00000000
0x818125e0: 38_hsstx_tap_seg_1x_term_ovrd   00000000    0x818125ec:
3B_hsstx_mac_test_ctl5          00000000
0x818125f0: 3C_hsstx_mac_test_ctl4          00000000    0x818125f4:
3D_hsstx_mac_test_ctl3          00000000
0x818125f8: 3E_hsstx_mac_test_ctl2          00000000    0x818125fc:
3F_hsstx_mac_test_ctl1          000000c6

HSS RX registers
================
0x81812700: 00_hssrx_cfg_mode_PHY           00009e78    0x81812704:
01_hssrx_test_ctl               00000000
0x81812708: 02_hssrx_phs_rot_ctl            0000cb80    0x8181270c:
03_hssrx_phs_rot_ofs_ctl        00000610
```

```
0x81812710: 04_hssrx_phs_rot_posn1          00003132    0x81812714:
05_hssrx_phs_rot_posn2          00000023
0x81812718: 06_hssrx_phs_rot_sta_ofs1       0000001e    0x8181271c:
07_hssrx_phs_rot_sta_ofs2       0000001f
0x81812720: 08_hssrx_dfe_ctl_PHY            00002002    0x81812724:
09_hssrx_dfe_smpl_snap1         00000000
0x81812728: 0A_hssrx_dfe_smpl_snap2         00008000    0x8181272c:
0B_hssrx_vga_ctl1               00004015
0x81812730: 0C_hssrx_vga_ctl2               00007aa0    0x81812734:
0D_hssrx_vga_ctl3               000009e4
0x81812738: 0E_hssrx_pwr_mgmnt_ctl          0000001f    0x8181273c:
0F_hssrx_iqamp_ctl1             00000018
0x81812740: 10_hssrx_iqamp_ctl2             00000002    0x81812744:
11_hssrx_dacap_dacan_sel        00000003
0x81812748: 12_hssrx_dacap_dacan            0000ffff    0x8181274c:
13_hssrx_daca_min               00000000
0x81812750: 14_hssrx_adac_ctl               00000000    0x81812754:
15_hssrx_ac_cp_ctl              000031c3
0x81812758: 16_hssrx_ac_cp_val              00000051    0x8181275c:
17_hssrx_dfe_h1h2h3_lcl_off_ch  00000014
0x81812760: 18_hssrx_dfe_h1h2h3_lcl_off_val 00000000    0x81812764:
19_hssrx_peaked_intg            000000ff
0x81812768: 1A_hssrx_cdr_analog_sw          0000ce00    0x8181276c:
1B_hssrx_peaking_amp_init_c_PHY 00000000
0x81812770: 1C_hssrx_dac_dpc                00000040    0x81812774:
1D_hssrx_ddc                    00000000
0x81812778: 1E_hssrx_int_stat_PHY           00001c0f    0x8181277c:
1F_hssrx_dfe_func_ctl1_PHY      0000ffff
0x81812780: 20_hssrx_dfe_func_ctl2_INV      00007ebf    0x81812784:
21_hssrx_ofs_ch_dcc_qcc_idx     00002000
0x81812788: 22_hssrx_dfe_ofs_val            0000087d    0x8181278c:
23_hssrx_h_coeff_bist           00000401
0x81812790: 24_hssrx_ac_cap_bist            000000c4    0x81812794:
25_hssrx_max_gain_path_idx_res  00007800
0x81812798: 26_hssrx_loff_ctl               00000040    0x8181279c:
27_hssrx_sigdet_ctl             00002c80
0x818127a0: 28_hssrx_ana_ctl_sw             00000000    0x818127a4:
29_hssrx_intg_dac_ofs           0000dedd
0x818127a8: 2A_hssrx_eye_ctl                00000000    0x818127ac:
2B_hssrx_eye_met                00000004
0x818127b0: 2C_hssrx_eye_met_err_cnt        00000000    0x818127b4:
2D_hssrx_eye_met_pdf_eyec       00000000
0x818127b8: 2E_hssrx_eye_met_pat_len        0000007f    0x818127bc:
2F_hssrx_dfe_func_ctl3          0000dfff
0x818127c0: 30_hssrx_dfe_tap_ctl_idx_ptr    00000008    0x818127c4:
31_hssrx_dfe_tap                00003030
0x818127c8: 32_hssrx_lte_ctl_TUNE           00000600    0x818127e4:
39_hssrx_int_stat2              0000c1ff
0x818127e8: 3A_hssrx_ac_cpl_cur_src_adj     00000041    0x818127ec:
3B_hssrx_dcd_ctl                00007c47
0x818127f0: 3C_hssrx_dcc_ctl                00000d42    0x818127f4:
3D_hssrx_qcc_ctl                00006948
0x818127f8: 3E_hssrx_mac_test_ctl2          00000000    0x818127fc:
3F_hssrx_mac_test_ctl1          00000000
```

```
0x81812748: 12_hssrx_dacap_dacan[02]                00fe ffff
0x81812760: 18_hssrx_dfe_h1h2h3_lcl_off_va[00]      0000 0000   0000
0000   0000 0000   0000 0000
0x81812760: 18_hssrx_dfe_h1h2h3_lcl_off_va[08]      0000 0000   0000
0000   0000 0000   0000 0000
0x81812760: 18_hssrx_dfe_h1h2h3_lcl_off_va[16]      0000 0000   0000
0000   0000
0x81812788: 22_hssrx_dfe_ofs_val[00][00]            087d 7f00   7a7d
0000   7e7d 0000
0x81812788: 22_hssrx_dfe_ofs_val[03][00]            7b7b 0000   7d7f
0000   0b01 7f00
0x81812788: 22_hssrx_dfe_ofs_val[06][00]            0307 7f7f   0703
7f7f   7b01 0000
0x81812788: 22_hssrx_dfe_ofs_val[09][00]            7a7c 0000   037b
0000   007d 0000
0x81812788: 22_hssrx_dfe_ofs_val[12][00]            7f7b 0000   7b7f
0000   0105 007f
0x81812788: 22_hssrx_dfe_ofs_val[15][00]            7f7d 0000   0904
7f00   037f 7f00
0x81812788: 22_hssrx_dfe_ofs_val[18][00]            017f 0000   7e7e
0000   0007 007f
0x81812788: 22_hssrx_dfe_ofs_val[21][00]            0007 007f   0007
007f   0007 007f
0x81812788: 22_hssrx_dfe_ofs_val[24][00]            7a7a 0001   017d
7f00   7c7b 0000
0x81812794: 25_hssrx_max_gain_path_idx_res[00]      005d 0853   100b
188f   20cf 28a5   308d 3800
0x81812794: 25_hssrx_max_gain_path_idx_res[08]      40af 488a   507b
5800   6040 6800   70fd 7800
0x818127c4: 31_hssrx_dfe_tap[00]                    fffe 8080   0000
0000   0030 0030   3030 3030
0x818127c4: 31_hssrx_dfe_tap[08]                    3030 3030   3030
0000
0x818127e8: 3A_hssrx_ac_cpl_cur_src_adj[00]         0041 0041   0041
0041
0x818127ec: 3B_hssrx_dcd_ctl[00]                    7c47 5c00   7c86
5c00   7c83
0x818127f0: 3C_hssrx_dcc_ctl[00]                    0d42 0d82   0d81
0d81
0x818127f4: 3D_hssrx_qcc_ctl[00]                    6987 6948

xfipcs, fec, aec, & aet registers
=================================
0x81cb8400: xfipcs_reg              [00] 00002040 00000080 00000000
00000000    00000001 00000008 00000000 00000000
0x81cb8420: xfipcs_reg              [08] 00008401 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81cb8440: xfipcs_reg              [16] 00000000 00000000 00000000
00000000    00000040 00000000 00000000 00000000
0x81cb8460: xfipcs_reg              [24] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81cb8480: xfipcs_reg              [32] 00000004 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81cb8620: fec_32g_128g_reg        [08] 00000000 00008003 00000000
```

```
00000000    00000000 00000000 00000000
0x81cb8648: fec_32g_128g_reg        [18] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81cb8a00: aec_reg                 [00] 00000000 00000000 00000000
00000000    00000040 00000000 00000000 00002490
0x81cb8c00: aet_reg                 [00] 000000b0 00007000 000008c4
00000000    00000000

bbc registers
=============
0x81cb9800: bbc_trc                 0    0    0    0    0    0    0
0
0x81cb9840: bbc_trc                 0    0    0    0    0    0    0
0
0x81cb9880: bbc_trc                 0    0    0    0    0    0    0
0
0x81cb98c0: bbc_trc                 0    0    0    0    0    0    0
0
0x81cb9900: bbc_trc                 0    0    0    0    0    0    0
0
0x81cb9804: bbc_mbc                 0    0    0    0    0    0    0
0
0x81cb9844: bbc_mbc                 0    0    0    0    0    0    0
0
0x81cb9884: bbc_mbc                 0    0    0    0    0    0    0
0
0x81cb98c4: bbc_mbc                 0    0    0    0    0    0    0
0
0x81cb9904: bbc_mbc                 0    0    0    0    0    0    0
0
0x81cb9a00: bbc_rcc                 0    0    0    0    0    0    0
0
0x81cb9a20: bbc_rcc                 0    0    0    0    0    0    0
0
0x81cb9a40: bbc_rcc                 0    0    0    0    0    0    0
0
0x81cb9a60: bbc_rcc                 0    0    0    0    0    0    0
0
0x81cb9a80: bbc_rcc                 0    0    0    0    0    0    0
0
0x81cb9c00: bbc_rqc                 0    0    0    0    0    0    0
0
0x81cb9c20: bbc_rqc                 0    0    0    0    0    0    0
0
0x81cb9c40: bbc_rqc                 0    0    0    0    0    0    0
0
0x81cb9c60: bbc_rqc                 0    0    0    0    0    0    0
0
0x81cb9c80: bbc_rqc                 0    0    0    0    0    0    0
0
0x81cb9d00: bbc_fbpc                00000000    0x81cb9d04: bbc_csc
00000000
0x81cb9d08: bbc_rcc_inc             00000000    0x81cb9d0c:
bbc_rqc_inc             00000000
```

```
0x81cb9d10: bbc_fbpc_inc            00000000    0x81cb9d14:
bbc_tmc_inc             00000000
0x81cb9d18: bbc_threshold           00080100    0x81cb9d1c:
bbc_counter_clr         00000000
0x81cb9d20: bbc_debug_en            00000000    0x81cb9d24: bbc_ctrl
00200120
0x81cb9d28: bbc_rqc_rcc_thresh      00000055    0x81cb9d34:
bbc_bb_sc_n             00000000
0x81cb9d38: bbc_crd_reco_debug      00000000    0x81cb9d3c:
bbc_crd_reco_debug_data 00000000
0x81cb9d40: bbc_multi_frm_loss_cnt  00000000    0x81cb9d44:
bbc_multi_rdy_loss_cnt  00000000
0x81cb9d48: bbc_1frm_loss_recov_cnt 00000000    0x81cb9d4c:
bbc_1rdy_loss_recov_cnt 00000000
0x81cb9d58: bbc_int_status          00000000    0x81cb9d5c:
bbc_int_set             00000000
0x81cb9d60: bbc_int_first           00000000    0x81cb9d64:
bbc_frm_rdy_rx_err_addr 00000000
0x81cb9d68: bbc_frm_rdy_tx_err_addr 00000000    0x81cb9d6c:
bbc_trc_mbc_err_addr    00000000
0x81cb9d70: bbc_frm_rdy_rx_dbl_ecc  00000000    0x81cb9d74:
bbc_frm_rdy_tx_dbl_ecc  00000000
0x81cb9d78: bbc_trc_mbc_dbl_ecc     00000000
0x81cb9d7c: bbc_fsm_status          00001011    0x81cb9d80:
bbc_force_err           00000000
0x81cb9d84: bbc_crdt_avail0         00000000    0x81cb9d88:
bbc_crdt_avail1         00000000
0x81cb9d8c: bbc_scratch             00000000

FPS registers
=============
0x81cb8004: fps_er_enc_in           00000000    0x81cb8008:
fps_er_crc              00000000
0x81cb800c: fps_er_trunc            00000000    0x81cb8010:
fps_er_toolong          00000000
0x81cb8014: fps_er_bad_eof          00000000    0x81cb8018:
fps_er_enc_out          00000000
0x81cb801c: fps_er_bad_os           00000000    0x81cb8020:
fps_er_flush            00000000
0x81cb8024: fps_er_ifg              00000000    0x81cb8038:
fps_er_crc_good_eof     00000000
0x81cb803c: fps_inv_arb             00000000    0x81cb8040:
fps_slow_sts_status     00000000
0x81cb8044: fps_tx_frm_cnt          00000000    0x81cb8048:
fps_rx_frm_cnt          00000000
0x81cb8050: fps_tx_word_cnt_hi      00000000    0x81cb804c:
fps_tx_word_cnt_lo      00000000
0x81cb8058: fps_rx_word_cnt_hi      00000000    0x81cb8054:
fps_rx_word_cnt_lo      00000000

BAL registers
=============
0x81cbf000: bal_desired_buf         00000000    0x81cbf004:
bal_alloc_buf           00000000
```

```
0x81cbf008: bal_busy_buf            00000000    0x81cbf00c:
bal_usable_buf          00000000
0x81cbf010: bal_max_bor_buf         00000000
0x81cbf014: bal_busy_buf_thresh     00000002

TXQ registers
=============
0x81cbb004: txq_phys_port_ctl       00470000
0x81cbb050: txq_link_skew           00000000
0x81cbb068: txq_cr_lk_dttn_intr_sts [00] 00000000 00000000
0x81cbb070: txq_cr_lk_dttn_intr_en  [00] 00000000 00000000
0x81cbb024: txq_disc_frm_trap_cnt   00000014

FDS registers
=============
0x81cbc000: fds_rxf_ctl             00000002    0x81cbc004:
fds_rxf_wait_thresh     00000909
0x81cbc018: fds_rxf_first_error     00000000    0x81cbc01c:
fds_rxf_first_error_info00000000
0x81cbc020: fds_rxf_inout_pkt_cnt   00000000
0x81cbc008: fds_rxf_err_int_status  00000000    0x81cbc024:
fds_rxf_fifo_status     00888888
0x81cbd000: fds_txf_ctl             0000003a    0x81cbd004:
fds_txf_wait_ifg_thresh 00a00106
0x81cbd008: fds_txf_err_int_status  00000000    0x81cbd024:
fds_txf_fifo_status     00088888
0x81cbd02c: fds_txf_bbc_scs         00000000

Logical TXQ registers
=====================
0x81cbb000: txq_log_port_ctl        00000002    0x81cbb008:
txq_port_status         00000000
0x81cbb00c: txq_todo_flags          [00] 00000000 00000000
0x81cbb014: txq_spd_match_desc      [00] 00000000 00000000 00000000
00000000
0x81cbb024: txq_spd_match_desc      [04] 00000014
0x81cbb028: txq_vc_weight           [00] 01010101 01010101 01010101
01010101
0x81cbb038: txq_vc_weight           [04] 01010101 01010101 01010101
01010101
0x81cbb048: txq_vc_weight           [08] 01010101 00010101
0x81cbb054: txq_cong_dttn_ctrl      00000106
0x81cbb058: txq_cong_dttn_intr_sts  [00] 00000000 00000000
0x81cbb060: txq_cong_dttn_intr_en   [00] 00000000 00000000
0x81cbb078: txq_bw_limit_en_reg     [00] 00000000 00000000
0x81cbb080: txq_bw_gua_en_reg       [00] 00000000 00000000
0x81cbb088: txq_vc_group            [00] 03030300 03030303 03030303
03030303
0x81cbb098: txq_vc_group            [04] 03030303 03030303 03030303
03030303
0x81cbb0a8: txq_vc_group            [08] 03030303 03030303 00000000
00000000
0x81cbb0b0: txq_bw_thresh_group     [00] 00000000 00000000 00000000
00000000
```

```
0x81cbb0c0: txq_bw_thresh_group     [04] 00000000 00000000 00000000
00000000
0x81cbb0d0: txq_bw_thresh_group     [08] 00000000 00000000 00000000
00000000
0x81cbb0e0: txq_bw_thresh_group     [12] 00000000 00000000 00000000
00000000
0x81cbb0f0: txq_bw_thresh_group     [16] 00000000 00000000 00000000
00000000
0x81cbb100: txq_bw_thresh_group     [20] 00000000 00000000 00000000
00000000
0x81cbb110: txq_bw_thresh_group     [24] 00000000 00000000 00000000
00000000
0x81cbb120: txq_bw_thresh_group     [28] 00000000 00000000 00000000
00000000
0x81cbb130: txq_bw_thresh_group     [32] 00000000 00000000 00000000
00000000
0x81cbb140: txq_bw_thresh_group     [36] 00000000 00000000 00000000
00000000

txq Congestion detection Statistics RAM
=======================================
0x81090e60: vc[0]       00000000        0x81090e64: vc[1]
00000000
0x81090e68: vc[2]       00000000        0x81090e6c: vc[3]
00000000
0x81090e70: vc[4]       00000000        0x81090e74: vc[5]
00000000
0x81090e78: vc[6]       00000000        0x81090e7c: vc[7]
00000000
0x81090e80: vc[8]       00000000        0x81090e84: vc[9]
00000000
0x81090e88: vc[10]      00000000        0x81090e8c: vc[11]
00000000
0x81090e90: vc[12]      00000000        0x81090e94: vc[13]
00000000
0x81090e98: vc[14]      00000000        0x81090e9c: vc[15]
00000000
0x81090ea0: vc[16]      00000000        0x81090ea4: vc[17]
00000000
0x81090ea8: vc[18]      00000000        0x81090eac: vc[19]
00000000
0x81090eb0: vc[20]      00000000        0x81090eb4: vc[21]
00000000
0x81090eb8: vc[22]      00000000        0x81090ebc: vc[23]
00000000
0x81090ec0: vc[24]      00000000        0x81090ec4: vc[25]
00000000
0x81090ec8: vc[26]      00000000        0x81090ecc: vc[27]
00000000
0x81090ed0: vc[28]      00000000        0x81090ed4: vc[29]
00000000
0x81090ed8: vc[30]      00000000        0x81090edc: vc[31]
00000000
0x81090ee0: vc[32]      00000000        0x81090ee4: vc[33]
```

```
00000000
0x81090ee8: vc[34]      00000000        0x81090eec: vc[35]
00000000
0x81090ef0: vc[36]      00000000        0x81090ef4: vc[37]
00000000
0x81090ef8: vc[38]      00000000        0x81090efc: vc[39]
00000000


Logical STS registers
=====================
0x815851c4: sts_ftb_type1_miss      00000000
0x815851c8: sts_ftb_type2_miss      00000000
0x815851cc: sts_ftb_type6_miss      00000000
0x815851d0: sts_hard_zoning_miss    00000000
0x815851d4: sts_lun_zoning_miss     00000000
0x815851dc: sts_unroutable          00000000
0x815821f4: sts_rte_cl2             00000000    0x815821f8:
sts_rte_cl3             00000000        0x815821fc: sts_rte_link_ctl
00000000        0x815851e8: sts_tx_timeout          00000000

Logical STS filter registers
=====================
0x81585140: sts_flt_trig            [00] 00000000 00000000 00000000
00000000
0x81585150: sts_flt_trig            [04] 00000000 00000000 00000000
00000000
0x81585160: sts_flt_trig            [08] 00000000 00000000 00000000
00000000
0x81585170: sts_flt_trig            [12] 00000000 00000000 00000000
00000000
0x81585180: sts_flt_trig            [16] 00000000 00000000 00000000
00000000
0x81585190: sts_flt_trig            [20] 00000000 00000000 00000000
00000000
0x815851a0: sts_flt_trig            [24] 00000000 00000000 00000000
00000000
0x815851b0: sts_flt_trig            [28] 00000000 00000000 00000000
00000000
0x815851c0: sts_flt_trig            [32]

Logical STS discard registers
=====================
0x8158316c: disc_mcast_wka          00000000    0x81583170:
disc_inv_did            00000000
0x81583174: disc_cl1_cl4            00000000    0x81583178:
disc_sid_chk_fail       00000000
0x8158317c: disc_inv_dom_egid_txpt  00000000    0x81583180:
disc_vft_hop_cnt_1      00000000
0x81583184: disc_classf             00000000    0x81583188:
disc_fcp_cdb_inv        00000000
0x8158318c: disc_vfid_trap_enabled  00000000    0x81583190:
disc_vfid_hdr_chk_fail  00000000
0x81583194: disc_shim_cksum_fail    00000000    0x81583198:
```

```
disc_fed_edit_cmd_err   00000000
0x8158319c: disc_ftb_vm_mode        00000000    0x815831a0:
disc_ftb_agn_t2_miss    00000000
0x815831a4: disc_ecb_reserved       00000000    0x815831a8:
disc_ecb_de_pad_err     00000000
0x815831ac: disc_ecb_de_tag_err     00000000    0x815831b0:
disc_ecb_de_seq_err     00000000
0x815831b4: disc_ecb_err            00000000    0x815831b8:
disc_ftb_type4_match    00000000
0x815831bc: disc_fcp_rsp_ftb_type4  00000000    0x815831c0:
disc_ftb_type5_match    00000000
0x815831c4: disc_ftb_type3_match    00000000    0x815831c8:
disc_els_ftb_type3      00000000
0x815831cc: disc_ftb_type1_match    00000000    0x815831d0:
disc_els_rsp_ex_port    00000000
0x815831d4: disc_inv_drp_dps        00000000    0x815831d8:
disc_did_lookup_miss    00000000
0x815831dc: disc_ftb_type2_match    00000000    0x815831e0:
disc_trpd_plogi_pdisc   00000000
0x815831e4: disc_type2_lookup_miss  00000000    0x815831e8:
disc_ftb_type6_match    00000000
0x815831ec: disc_els_rep_ex_port    00000000    0x815831f0:
disc_els_sid_lkup_bit1  00000000
0x815831f4: disc_els_sid_lkup_bit0  00000000    0x815831f8:
disc_bls_frm_trap_bit1  00000000
0x815831fc: disc_ftb_token_err      00000000    0x81583200:
disc_asic_internal_err  00000000
0x81583204: disc_hard_zone_miss     00000000    0x81583208:
disc_lun_zone_miss      00000000
0x8158320c: disc_flt_frame_disc     00000000    0x81583210:
disc_flt_parity_err     00000000
0x81583214: disc_frame_marked_du    00000000    0x81583218:
disc_frame_marked_to    00000000
0x8158321c: disc_lkup_rte_prty_err  00000000


portstatsshow 44
stat_wtx                0                   4-byte words transmitted
stat_wrx                0                   4-byte words received
stat_ftx                0                   Frames transmitted
stat_frx                0                   Frames received
stat_c2_frx             0                   Class 2 frames received
stat_c3_frx             0                   Class 3 frames received
stat_lc_rx              0                   Link control frames
received
stat_mc_rx              0                   Multicast frames
received
stat_mc_to              0                   Multicast timeouts
stat_mc_tx              0                   Multicast frames
transmitted
tim_txcrd_z             0                   Time TX Credit Zero
(2.5Us ticks)
tim_txcrd_z_vc  0- 3:  0           0           0           0
tim_txcrd_z_vc  4- 7:  0           0           0           0
```

```
tim_txcrd_z_vc  8-11:  0           0           0           0
tim_txcrd_z_vc 12-15:  0           0           0           0
lat_tot_pkt_vc  0- 3:  1           1           1           1
lat_tot_pkt_vc  4- 7:  1           1           1           1
lat_tot_pkt_vc  8-11:  1           1           1           1
lat_tot_pkt_vc 12-15:  1           1           1           1
lat_hi_time_vc  0- 3:  0           0           0           0
lat_hi_time_vc  4- 7:  0           0           0           0
lat_hi_time_vc  8-11:  0           0           0           0
lat_hi_time_vc 12-15:  0           0           0           0
lat_lo_time_vc  0- 3:  1           1           1           1
lat_lo_time_vc  4- 7:  1           1           1           1
lat_lo_time_vc  8-11:  1           1           1           1
lat_lo_time_vc 12-15:  1           1           1           1
max_latency_vc  0- 3:  1           1           1           1
max_latency_vc  4- 7:  1           1           1           1
max_latency_vc  8-11:  1           1           1           1
max_latency_vc 12-15:  1           1           1           1
latency_dma_ts          09-09-2024 UTC Mon 08:47:25             TXQ
Latency DMA TimeStamp
fec_cor_detected        0                   Count of blocks that
were corrected by FEC
fec_uncor_detected      0                   Count of blocks that
were left uncorrected by FEC
er_enc_in               0                   Encoding errors inside
of frames
er_crc                  0                   Frames with CRC errors
er_trunc                0                   Frames shorter than
minimum
er_toolong              0                   Frames longer than
maximum
er_bad_eof              0                   Frames with bad end-of-
frame
er_enc_out              0                   Encoding error outside
of frames
er_bad_os               0                   Invalid ordered set
er_pcs_blk              0                   PCS block errors
er_rx_c3_timeout        0                   Class 3 receive frames
discarded due to timeout
er_tx_c3_timeout        0                   Class 3 transmit frames
discarded due to timeout
er_unroutable           0                   Frames that are
unroutable
er_unreachable          0                   Frame with unreachable
destination
er_other_discard        0                   Other discards
er_type1_miss           0                   frames with FTB type 1
miss
er_type2_miss           0                   frames with FTB type 2
miss
er_type6_miss           0                   frames with FTB type 6
miss
er_zone_miss            0                   frames with hard zoning
miss
```

```
er_lun_zone_miss        0                   frames with LUN zoning
miss
er_crc_good_eof         0                   Crc error with good eof
er_inv_arb              0                   Invalid ARB
er_single_credit_loss   0                   Single vcrdy/frame loss
on link
er_multi_credit_loss    0                   Multiple vcrdy/frame
loss on link
other_credit_loss       0                   Link timeout/complete
credit loss
phy_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
phy_port stats clear
lgc_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
lgc_port stats clear
fec_corrected_rate      0                   FEC Corrected blocks per
second

portstats64show 44
stat64_wtx      0           top_int : 4-byte words transmitted
                0           bottom_int : 4-byte words transmitted
stat64_wrx      0           top_int : 4-byte words received
                0           bottom_int : 4-byte words received
stat64_ftx      0           top_int : Frames transmitted
                0           bottom_int : Frames transmitted
stat64_frx      0           top_int : Frames received
                0           bottom_int : Frames received
stat64_c2_frx   0           top_int : Class 2 frames received
                0           bottom_int : Class 2 frames received
stat64_c3_frx   0           top_int : Class 3 frames received
                0           bottom_int : Class 3 frames received
stat64_lc_rx    0           top_int : Link control frames received
                0           bottom_int : Link control frames
received
stat64_mc_rx    0           top_int : Multicast frames received
                0           bottom_int : Multicast frames received
stat64_mc_to    0           top_int : Multicast timeouts
                0           bottom_int : Multicast timeouts
stat64_mc_tx    0           top_int : Multicast frames transmitted
                0           bottom_int : Multicast frames
transmitted
tim64_rdy_pri   0           top_int : Time R_RDY high priority
                0           bottom_int : Time R_RDY high priority
tim64_txcrd_z   0           top_int : Time BB_credit zero
                0           bottom_int : Time BB_credit zero
er64_enc_in     0           top_int : Encoding errors inside of
frames
                0           bottom_int : Encoding errors inside of
frames
er64_crc        0           top_int : Frames with CRC errors
                0           bottom_int : Frames with CRC errors
er64_trunc      0           top_int : Frames shorter than minimum
                0           bottom_int : Frames shorter than minimum
er64_toolong    0           top_int : Frames longer than maximum
                0           bottom_int : Frames longer than maximum
```

```
er64_bad_eof    0           top_int : Frames with bad end-of-frame
                0           bottom_int : Frames with bad end-of-
frame
er64_enc_out    0           top_int : Encoding error outside of
frames
                0           bottom_int : Encoding error outside of
frames
er64_disc_c3    0           top_int : Class 3 frames discarded
                0           bottom_int : Class 3 frames discarded
er64_pcs_blk    0           top_int : PCS block errors
                0           bottom_int : PCS block errors
stat64_rateTxFrame      0           Tx frame rate (fr/sec)
stat64_rateRxFrame      0           Rx frame rate (fr/sec)
stat64_rateTxPeakFrame  0           Tx peak frame rate (fr/sec)
stat64_rateRxPeakFrame  0           Rx peak frame rate (fr/sec)
stat64_rateTxWord       0           Tx Word rate (words/sec)
stat64_rateRxWord       0           Rx Word rate (words/sec)
stat64_rateTxPeakWord   0           Tx peak Word rate (words/sec)
stat64_rateRxPeakWord   0           Rx peak Word rate (words/sec)
stat64_PRJTFrames       0           top_int : Number of PRJT frames
returned to this port
                        0           bottom_int : Number of PRJT
frames returned to this port
stat64_PBSYFrames       0           top_int : Number of PBSY frames
returned to this port
                        0           bottom_int : Number of PBSY
frames returned to this port
stat64_inputBuffersFull 0           top_int : Number of occurrences
when all input buffers full
                        0           bottom_int : Number of
occurrences when all input buffers full
stat64_rxClass1Frames   0           top_int : Number of class 1
frames received
                        0           bottom_int : Number of class 1
frames received
stat64_aveTxFrameSize   0           Average Tx Frame size
stat64_aveRxFrameSize   0           Average Rx Frame size
Lr_in           0           top_int
                0           bottom_int
Ols_in          0           top_int
                0           bottom_int
Lr_out          0           top_int
                0           bottom_int
Ols_out         0           top_int
                0           bottom_int
Link_failure    0           top_int
                0           bottom_int
Invalid_CRC     0           top_int
                0           bottom_int
Invalid_word    0           top_int
                0           bottom_int
Protocol_err    0           top_int
                0           bottom_int
Loss_of_sig     0           top_int
```

```
                0           bottom_int
Loss_of_sync    0           top_int
                0           bottom_int
er_bad_os       0           top_int : Invalid ordered set
                0           bottom_int: Invalid ordered set


portrouteshow 44
port address ID: 0x012c00
external unicast routing table:
   0: Embedded
 255: Embedded
internal unicast routing table:
   0: Embedded

portcamshow 44
-------------------------------------------------
Port  SID used  DID used  SID entries  DID entries
44     0         0         000000       000000
-------------------------------------------------

ptbufshow, ptcreditshow, ptdatashow, ptstatsshow 44
S:
S:VF Enable:            1
S:
S:C4 Global Variable:
S:-------------------------------------------------------------------
---------
S:trace_stop:           0
S:
S:C4 Phy Data Pointers: c4_phyp = 0xb6ae4100
S:-------------------------------------------------------------------
---------
S:tnodep                        0xbb845a80      pt
        0x43028017
S:proto_phyp            0xb880a7e0      phy_cfg
0xb6ae5140
S:c4_chp                        0x97e28000      c4_lgcp
0x97fa4000
S:c4_phy_regp           0x81cb8000      proc_dir
0xb851bf00
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4345678      num_port_timer          12
S:prev_if_id            0x43020017      S:ftx                   0
        tov                     0
S:initialized           1               port_idx                23
S:ui_idx                        44              slot_no
        0
S:blade_idx             23              sw_usr_ports            400
S:unused                        0               intr_debounced
        0
S:aec_status            0x0             reason_code
        0
```

```
S:debug                  0x00000004      debug_trc_line          0
S:rxbuf_list_head        0xffffffff      rxbuf_list_tail
0xffffffff
S:isAePort                       0              port_misc_data
               0
S:num_fault1_rx_disc     0              num_fault2_rx_disc      0
S:p_lli_cause0           0              p_sig_regained          0
S:p_sync_regained                0              enc_out
        0x0
S:cached_fps_status      0              cached_sts_status       0
S:cached_er_crc_good_eof         0
S:cached_er_bad_os       0              cached_er_too_long      0
S:cached_er_trunc        0
cached_tot_er_crc_good_eof       0
S:num_pt_excess_intr     0              num_no_fid              0
S:num_fault1_cnt                 0              num_fault2_cnt
        0
S:num_fault_lip          0              num_fault_lli           0
S:num_fault_rx_fifo      0              num_fault_hss           0
S:num_fault_bwait                0              lli_intr_prim
        0
S:num_sw_link_to                 0
be_link_err_mon_count            0
S:ecb_enc_enabled                0              ecb_comp_enabled
               0
S:ecb_rsv_enc            0              ecb_rsv_comp            0
S:ecb_enc_bm             0x0            ecb_key_index
0xffffffff
S:fab_idx                0
S:num_be_lto             0              lto_count_reset_intvl
        0
S:lr_count_reset_intvl           0              num_be_lr
        0
S:num_fault_qsfp                 0              check_lto
        0
S:credit_loaded          0              num_credit_overrun
        0
S:fec_enabled            0x0            fec_los_to_flag         0x0
S:phy_stats_clear_ts             1725611419     pcs_err_online
        0
S:pcs_err_light_det              0              pcs_err_ignore
        0
S:pcs_blk_err            0              pcs_hiber               0
S:phy_port_status                0              ecb_enc_lr_count
               0
S:dport_mode             0              avoid_lto_det           0
S:sn_debounced           0x0            sn_started_kr_reqd      0
S:major_timer_started    0x0            ready_bm                0x0
S:parln_1_bm             0x0            parln_0_bm              0x0
S:be_los_of_sync_event_intvl             0
be_los_of_sync_event             0
S:erratePtenable_cntr            0              errataPoll_cntr
        0
S:jda_rx_sig_loss_det            0              jda_rx_sig_loss_cnt
```

```
               0
S:encrypt_blk_error            0
S:
S:      c4_trunk
S:=====================================
S:mark_ts               0x0             deskew                  0x0
S:master_phyp           0x0
S:
S:adelay[00]: 0x00000000 0x00000000 0x00000000 0x00000000
S:adelay[04]: 0x00000000 0x00000000 0x00000000 0x00000000
S:
S:      c4_buf
S:=====================================
S:tx_csc                        0               rx_csc
        0
S:ld_vc_credits         0               tx_flag                 0x0
S:alloc_buffers         0               req_buffers             0
S:est_buffers           20              ld_use_est              0
S:bb_sc_n                       0               rx_bb_sc_n
        0
S:data_cr                       5               nondata_cr
        6
S:cr_enable             0
S:ld_nondata_cr         6               tnodep
0xbb845b60
S:tx_credits[0] 0    0    0    0    0    0    0    0
S:tx_credits[8] 0    0    0    0    0    0    0    0
S:tx_credits[16]        0    0    0    0    0    0    0    0
S:tx_credits[24]        0    0    0    0    0    0    0    0
S:tx_credits[32]        0    0    0    0    0    0    0    0
S:rx_credits[0] 0    0    0    0    0    0    0    0
S:rx_credits[8] 0    0    0    0    0    0    0    0
S:rx_credits[16]        0    0    0    0    0    0    0    0
S:rx_credits[24]        0    0    0    0    0    0    0    0
S:rx_credits[32]        0    0    0    0    0    0    0    0
S:tx_mbc[0]     0    0    0    0    0    0    0    0
S:tx_mbc[8]     0    0    0    0    0    0    0    0
S:tx_mbc[16]    0    0    0    0    0    0    0    0
S:tx_mbc[24]    0    0    0    0    0    0    0    0
S:tx_mbc[32]    0    0    0    0    0    0    0    0
S:rx_mbc[0]     0    0    0    0    0    0    0    0
S:rx_mbc[8]     0    0    0    0    0    0    0    0
S:rx_mbc[16]    0    0    0    0    0    0    0    0
S:rx_mbc[24]    0    0    0    0    0    0    0    0
S:rx_mbc[32]    0    0    0    0    0    0    0    0
S:
S:C4 Chip Variables: c4_phyp->c4_chp = 0x97e28000
S:-------------------------------------------------------------------
---------
S:version = 2.1
S:magic_id              0xc4234567      init_state              0x8
S:reset_reg_mem         0x1
S:ch_int0_en_bm         0x0             intr0_cause             0x0
S:ch_int1_en_bm         0x0             intr1_cause             0x0
```

```
S:ch_int2_en_bm         0x0             intr2_cause             0x0
S:ch                    0x43010080      ch_cfg
0xb7013ba0
S:raslog_hndl.hndl      0x0             obj_halted              0x0
S:c4_chip_regp          0x80000000      c4_fpg_regp
0x81800000
S:num_chip_timer        0x5
S:hi_task_bm            0x0             lo_task_bm              0x0
S:c4_deferq.q_head      0x0             c4_deferq.q_tail        0x0
S:c4_tmrq.q_head        0x0             c4_tmrq.q_tail          0x0
slot_no                 0
S:chip_inst             0               chip_idx                0
S:pll_initialized               1
pll_serdes_initialized  1
S:init_tries            0               init_ptEnableBM
0xba01b488
S:tick_polling          0xb980c9c0      sec_polling
0xb980c960
S:bb_fid                        129
S:ecb_key_bm[0]         0x0             ecb_key_bm[1]           0x0
S:ecb_key_bm[2]         0x0             ecb_key_bm[3]           0x0
S:is_chip_enc_enabled                   0
is_chip_comp_enabled    0x0
S:ftb_rsrcp->ftb_flags  0x0             act_rsrcp->act_flag     0x1
S:lue_rsrcp->lue_flags[0]       0x0             lue_rsrcp-
>lue_flags[1]   0x0
S:c4_phyp[00]: 0xb6ab0000 0xb6ab2080 0xb6ab4100 0xb6ab6180
S:c4_phyp[04]: 0xb6ab9040 0xb6abb0c0 0xb6abd140 0xb6ac0000
S:c4_phyp[08]: 0xb6ac2080 0xb6ac4100 0xb6ac6180 0xb6ac9040
S:c4_phyp[12]: 0xb6acb0c0 0xb6acd140 0xb6ad0000 0xb6ad2080
S:c4_phyp[16]: 0xb6ad4100 0xb6ad6180 0xb6ad9040 0xb6adb0c0
S:c4_phyp[20]: 0xb6add140 0xb6ae0000 0xb6ae2080 0xb6ae4100
S:c4_phyp[24]: 0xb6ae6180 0xb6ae9040 0xb6aeb0c0 0xb6aed140
S:c4_phyp[28]: 0xb6af0000 0xb6af2080 0xb6af4100 0xb6af6180
S:c4_phyp[32]: 0xb6af9040 0xb6afb0c0 0xb6afd140 0xb6b00000
S:c4_phyp[36]: 0xb6b02080 0xb6b04100 0xb6b06180 0xb6b09040
S:c4_phyp[40]: 0xb6b0b0c0 0xb6b0d140 0xb6b10000 0xb6b12080
S:c4_phyp[44]: 0xb6b14100 0xb6b16180 0xb6b19040 0xb6b1b0c0
S:c4_phyp[48]: 0xb6b1d140 0xb6b20000 0xb6b22080 0xb6b24100
S:c4_phyp[52]: 0xb6b26180 0xb6b29040 0xb6b2b0c0 0xb6b2d140
S:c4_phyp[56]: 0xb6b30000 0xb6b32080 0xb6b34100 0xb6b36180
S:c4_phyp[60]: 0xb6b39040 0xb6b3b0c0 0xb6b3d140 0xb6b40000
S:c4_lgcp[00]: 0x97f48000 0x97f4c000 0x97f50000 0x97f54000
S:c4_lgcp[04]: 0x97f58000 0x97f5c000 0x97f60000 0x97f64000
S:c4_lgcp[08]: 0x97f68000 0x97f6c000 0x97f70000 0x97f74000
S:c4_lgcp[12]: 0x97f78000 0x97f7c000 0x97f80000 0x97f84000
S:c4_lgcp[16]: 0x97f88000 0x97f8c000 0x97f90000 0x97f94000
S:c4_lgcp[20]: 0x97f98000 0x97f9c000 0x97fa0000 0x97fa4000
S:c4_lgcp[24]: 0x97fa8000 0x97fac000 0x97fb0000 0x97fb4000
S:c4_lgcp[28]: 0x97fb8000 0x97fbc000 0x97fc0000 0x97fc4000
S:c4_lgcp[32]: 0x97fc8000 0x97fcc000 0x97fd0000 0x97fd4000
S:c4_lgcp[36]: 0x97fd8000 0x97fdc000 0x97fe0000 0x97fe4000
S:c4_lgcp[40]: 0x97fe8000 0x97fec000 0x97ff0000 0x97ff4000
S:c4_lgcp[44]: 0x97ff8000 0x97ffc000 0x8e000000 0x8e004000
```

```
S:c4_lgcp[48]: 0x8e008000 0x8e00c000 0x8e010000 0x8e014000
S:c4_lgcp[52]: 0x8e018000 0x8e01c000 0x8e020000 0x8e024000
S:c4_lgcp[56]: 0x8e028000 0x8e02c000 0x8e030000 0x8e034000
S:c4_lgcp[60]: 0x8e038000 0x8e03c000 0x8e040000 0x8e044000
S:chip_timers[00]: 0xb980c720 0xb980c780 0xb980c7e0 0xb980c840
S:chip_timers[04]: 0xb980c8a0 0xb980c900
S:disc_trap_enable_required     0x0             rxlp_disc_log_stop
        0x0
S:curr_rxlp_frm_cnt     0x0             curr_rxlp_disc_frm_cnt  0x0
S:sw_disc_frm_cnt       0x0             last_disc_frm_cnt       0x0
S:txq_nopop_pr_cnt      0x0             pollErrataDfe_ptBM
0xba01b4b0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][0]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][1]  0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][2]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][0] 0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][1]       0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][2] 0x0
S:
S:C4 Logical Port Variables
S:-----------------------------------------------------------------
---------
S:c4_lgc_regp           0x81cb8000
S:c4_phyp:
S:      0xb6ae4100      0x0             0x0             0x0

S:      0x0             0x0             0x0             0x0

S:master_phyp           0xb6ae4100      if_id
0x43020017
S:min_phyp              0x0             max_phyp                0x0
S:num_phy_ports         1               lgc_num                 23
S:num_iu_to             0               sw_txq_bm
        0
S:port_fid              128             unused                  0
S:port_group            2               lgc_stats_clear_ts
                1725611419
S:domain_tbl_sel                0               area_tbl_sel
        0
S:egid_tbl_sel          0
S:serv_lo_bm            0x0
S:
S:Proto Phy Variables:
S:-----------------------------------------------------------------
---------
S:magic_id              0xc4123456      asic_phyp
0xb6ae4100
S:port_id                       0x43028017      phy_cfg
        0xb6ae5140
S:upsm_hdl              0xb8017280      physm_hdl
0xb8017000
S:ov_snsm_hdl           0xb8016e60      sw_snsm_hdl
0xb8016f00
S:ov_lksm_hdl           0xb80170a0      sw_lksm_hdl
```

```
0xb8017140
S:trksm_hdl             0xb80171e0      lr_flag         0x0
S:lr_active             0x0             qsfp_txrx_rate_sel
        0x0
S:
S:UPSM      UP00: UPST_PORT_DISABLED    --> UP01:
UPST_START_PORT_INIT
S:SNSM(OV)  SN00: OV_SNST_STOPPED       --> SN00: OV_SNST_STOPPED
S:SNSM(SW)  SW00: SW_SNST_STAGE_WS      --> SW00: SW_SNST_STAGE_WS
S:PHYSM     UNKNOWN     --> PP03: PHYST_NO_SIGNAL
S:LKSM(OV)  LK00: OV_LKST_INACTIVE      --> LK00: OV_LKST_INACTIVE
S:LKSM(SW)  SW13: INACTIVE              --> SW13: INACTIVE
S:TRKSM     TRK0: TRKST_INIT            --> TRK0: TRKST_INIT
S:
S:physm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb880a7e0      physm_hdl
0xb8017000
S:force_offline         0               copper                  0
S:fault_reason          0: UNKNOWN
S:phy_media_present             1
S:
S:snsm variables:
S:-------------------------------------------------------------------
---------
S:speed                 0xff            proto_phyp
0xb880a7e0
S:hw_sn_tries_left      0x0             sw_sn_tries_left        0x0
S:curr_txsp_count               0x0
S:tx_max                        0x0             curr_tx_indx
        0x0
S:curr_tx                       0x0             curr_rxsp_count
        0x0
S:rx_max                        0x0             curr_rx_indx
        0x0
S:curr_rx                       0x0             rx_mem
        0x0
S:rxsp_rec_count                0x0
S:nc_start              0x0             tx_start                0x0
S:sync_start            0x0             sync_present            0x0
S:diag_auto             0x0             diag_speed              0xff
S:striped_wd_tov                3000            hw_wd_tov
        3000
S:step                  0x0             qsfp28_speed_mode
        0x0
S:qsfp_mode0_hw_sn_tries_left           0x0
S:qsfp_mode1_hw_sn_tries_left           0x0
S:
S:lksm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb880a7e0      ov_lksm_hdl
0xb80170a0
```

```
sw_lksm_hdl             0xb8017140
num_lf1                 0
S:hw_link_tries_left    0               sw_link_tries_left      0
S:buf_ptype             0x0             stored_entry_state      0x6
S:handshake_owner               0x0             mark_unsent
        0x0
S:busybuf_stuck         0x0             lr_wait                 0x0
S:
S:trksm variables:
S:-------------------------------------------------------------------
---------
S:Not a trunk port
S:
S:upsm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb880a7e0      upsm_hdl
0xb8017280
S:bb_credits            0               port_beacon             0
S:port_diag_flag                0               force_offline
        0
S:port_fault_rsn                0: PORT_NO_FAULT
S:retry_init_rsn                0: UNKNOWN
S:linit_reason          0               linit_result            0
S:ie_fctl_mode          0               fec_in_sync_tries_left  0
S:retry_sn_fail_init    0
retry_link_fail_init    0
S:excess_lr_count       0
S:
S:c4_ch_cfg
S:-------------------------------------------------------------------
---------
S:c4_desc_ring_size     256      292      256      256      292
292      2        292      292
S:thresh_def            0        16       1        0
S:intr_tries            500             cmem_pattern
0xdeadbeef
S:cmem_pattern_upwd     2               cmem_init_time          16
S:cmem_init_tries               5
S:ctrl_par_thresh               2               data_par_thresh
        4
S:cam_par_thresh                4               buf_loss_thresh
        12
S:crit_par_thresh               2               non_crit_par_thresh
        6
S:pci_abort_thresh      10              pci_err_thresh          5
S:excess_chintr_thresh  8               sw_err_thresh           20
S:err_sample_period     300             intr_sleep
20000
S:frame_timeout 2500            proxy_dev               16384
S:vf_route      81920           qos             2048
S:stats 2048            f_redirect              2048
S:rsp_trap      2048            lun_zoning              20480
S:area_mode     0               ftb_max_loop[0]         0
```

```
S:ftb_max_loop[1]       6               ftb_max_loop[2]         9
S:ftb_max_loop[3]       10              ftb_max_loop[4]         10
S:ftb_max_loop[5]       5               ftb_max_loop[6]         6
S:ftb_seg_size[0]       0               ftb_seg_size[1]
16384
S:ftb_seg_size[2]       65536           ftb_seg_size[3]
16384
S:ftb_seg_size[4]       16384           ftb_seg_size[5]
65536
S:ftb_seg_size[6]       16384           ftb_seg_base[0]         0
S:ftb_seg_base[1]       0               ftb_seg_base[2]
65536
S:ftb_seg_base[3]       16384           ftb_seg_base[4]
32768
S:ftb_seg_base[5]       131072          ftb_seg_base[6]
49152
asic_err_monitor_period1                300
asic_err_monitor_period2                86400
zone_chk_to_poll_period 25
zone_chk_class2_reject_tov              220
S:
S:c4_phy_cfg
S:-------------------------------------------------------------------
---------
S:version = 2.1
S:pt                    0x43028017      fab_ptr
0x9a800000
S:fabattr                       0x9a8000d4      fab_iop
        0x9a800050
S:cfgbm                 0xbb8458c4      port_ctrl
0xb6ae5158
S:pcap.pcap_bm          0x8d215547      pcap.pcap2_bm
0x588289
S:pcap.pcap3_bm         0x1bea60c
ui_idx                  44              S:slot_no
        0
is_icl                  0               S:sw_usr_ports          400
S:neg_speed             0 0 0 0 0 0
S:my_domain             0x1             port_mode               0x0
S:hw_sn_maxtries                100             sw_sn_maxtries
        0
S:hw_link_maxtries      10              sw_link_maxtries        5
S:rx_cyc_tov            28              rttov                   300
S:bufrdy_tov            300             busybuf_tov             286
S:mark_tov              300             lksm_tov                3000
S:buf_dealloc_wait      4               hw_wd_tov               3000
S:hw_lk_train_tov               540             hw_lk_test_tov
        150
S:syswait_tx_12_lips    1               lip_rx_tov              55
S:al_time_tov           15              lp_tov                  2000
S:intr_tries_port               500             intr_mod_debounce
        250
S:intr_lsr_flt_debounce 500             intr_efifo_debounce     100
S:port_no_fid           3               excess_ptintr_thresh    8
```

```
S:port_fault1_thresh    100             port_fault1_spur_thresh 250
S:port_fault1_disc_thresh       500
port_fault1_disc_spur_thresh    1000
S:port_fault2_thresh    5               losync_tov              100
S:port_sw_link_to               15              en_8g_scramble
        1
frc_hw_sn_mode          0x1
S:enc_poll_thresh               0               fec_enable
        0
S:fec_in_sync_to                50              fec_in_sync_try_max
        4
S:port_be_lto_threshold         100             port_be_lr_threshold
              2
S:be_cr_in_sync_to              5
port_credit_overrun_thresh              10
S:jda_sfp_losig_tov             400
jda_sfp_losig_try_max           30
S:striped_wd_tov                3000
no_sync_debounce                1200
S:
S:      fab_iop
S:======================================
S:fab_iop->interop_mode 0x0             fab_iop->lab_mode       0x0
S:fab_iop->fl_bbc               0x0             fab_iop->fl_fan
        0x0
S:fab_iop->fl_cls               0x4             fab_iop->fl_rscn
        0x0
S:fab_iop->domain_id_offset     0x60            fab_iop-
>mcdt_fabric_mode       0x0
S:fab_iop->mcdt_default_zone            0x0             fab_iop-
>mcdt_safe_zone         0x0
S:
S:      port_ctrl
S:======================================
S:port_ctrl.port_type   1               port_ctrl.port_grp      2
S:port_ctrl.port_number 44              port_ctrl.vc_mode       1
S:
S:      port_ctrl.lcap
S:======================================
S:has_serdes            0               has_media               1
S:topology              1               skip_nego               0
S:skip_pnego            0               skip_init_event         0
S:en_shim                       0               speed_neg
        1
S:loop_back             0               num_speeds              5
S:fec_enable            0
S:
S:      port_ctrl.speed_list array
S:======================================
S:speed_list[0].auto_neg  1     speed_list[0].lnk_speed  0x0000000a
S:speed_list[1].auto_neg  1     speed_list[1].lnk_speed  0x00000008
S:speed_list[2].auto_neg  0     speed_list[2].lnk_speed  0x00000006
S:speed_list[3].auto_neg  1     speed_list[3].lnk_speed  0x00000005
S:speed_list[4].auto_neg  0     speed_list[4].lnk_speed  0x00000003
```

```
S:speed_list[5].auto_neg  0     speed_list[5].lnk_speed  0x00000000
S:
S:      port_ctrl.cm
S:=====================================
S:port_ctrl.cm.num_vcs          8
S:port_ctrl.cm.min_bufs         8
S:port_ctrl.cm.cr_shar_bufs     0
S:port_ctrl.vc_alloc
S:port_ctrl.vc_alloc            2 0 1 1 1 1 1 1
S:port_ctrl.vc_alloc            0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.norm_vc_alloc
S:port_ctrl.norm_vc_alloc       4 0 5 5 5 5 1 1
S:port_ctrl.norm_vc_alloc       0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.cm.skip_bb_credit           0
S:port_ctrl.cm.use_shim_based_sublist           0
S:
S:      port_ctrl.serdes_set
S:=====================================
S:serdes_type           0x8
S:serdes_data_t.ibm_hss_serdes.tx_drive_power           0x1
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b_sign      0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_a           0x0
S:serdes_data_t.ibm_hss_serdes.rxeq                     0x0
S:
S:      cfgbm
S:=====================================
S:old_distance          0x0             gport_lockdown          0x0
S:tport                 0x1             speed                   0x0
S:disable_eport         0x0             fcacc                   0x0
S:lport_lockdown                0x0             priv_lport_lockdown
        0x0
S:vcxlt_linit           0x0             delay_flogi             0x0
S:isl_interop           0x0             distance                0x0
S:BufStarvFlag          0x0             credit_sharing          0x0
S:lport_halfduplex      0x0             lport_fairness          0x0
S:soft_neg              0x0             asn_frc_hwretry         0x0
S:cr_recov              0x0             fport_buffers           0x0
S:export                        0x0             export_mode
        0x0
S:csctl_en              0x0             mirror_port             0x0
S:fault_delay           0x0             non_dfe                 0x0
S:fec_configured*(0=ENAB)       0               fec_tts
        0
S:port_persistently_disabled (permanently) 0 (0)
S:
S:      cfg property
S:=====================================
S:priv_pcfg_bm          0x00000000      lgcl_pcfg_bm
0xbb845904
S:fport_buffer          0x00000000
S:
```

```
S:
S:C4 Discard Cntrs: rxlp_stats = 0xb6ae44b0
S:-----------------------------------------------------------------
---------
S:disc_mcast_wka        0x0             disc_inv_did            0x0
S:disc_cl1_cl4          0x0             disc_sid_chk_fail       0x0
S:disc_inv_dom_egid_txpt        0x0             disc_vft_hop_cnt_1
        0x0
S:disc_classf           0x0             disc_fcp_cdb_inv        0x0
S:disc_vfid_trap_enabled        0x0
disc_vfid_hdr_chk_fail  0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_ftb_vm_mode      0x0             disc_ftb_agn_t2_miss    0x0
S:disc_ecb_de_pad_err   0x0             disc_ecb_de_tag_err     0x0
S:disc_ecb_de_seq_err   0x0             disc_ecb_err            0x0
S:disc_ftb_type4_match  0x0             disc_fcp_rsp_ftb_type4  0x0
S:disc_fcp_rsp_ftb_type4        0x0             disc_ftb_type5_match
        0x0
S:disc_ftb_type3_match  0x0             disc_els_ftb_type3      0x0
S:disc_ftb_type1_match  0x0             disc_els_rsp_ex_port    0x0
S:disc_inv_drp_dps      0x0             disc_did_lookup_miss    0x0
S:disc_ftb_type2_match  0x0             disc_trpd_plogi_pdisc   0x0
S:disc_type2_lookup_miss        0x0             disc_ftb_type6_match
        0x0
S:disc_els_rep_ex_port  0x0             disc_els_sid_lkup_bit1  0x0
S:disc_els_sid_lkup_bit0        0x0
disc_bls_frm_trap_bit1  0x0
S:disc_ftb_token_err    0x0             disc_asic_internal_err  0x0
S:disc_hard_zone_miss   0x0             disc_lun_zone_miss      0x0
S:disc_flt_frame_disc   0x0             disc_flt_parity_err     0x0
S:disc_frame_marked_du  0x0             disc_frame_marked_to    0x0
E:Connection type: FE
E:Port type: F_port
E:Trunk port: No
E:Configured Speed: AUTO_SPEED_NEGO
E:Max Capable Speed: 32G
E:Current SNSM Speed: UNDEFINED
E:Hardware TX Speed: 32G (0x00000004)
E:Hardware RX Speed: 32G (0x00000040)
E:
E:Interrupts:   0           Link_failure:       0
Loss_of_sync:   0           Loss_of_sig:        0
E:Lli:          0           Invalid_word:       0
E:trapped_frm:  0           fwd_status_ok:      0
E:fwd_timeout:  0           fwd_tx_unavail:     0
E:fwd_unroutable:       0           fwd_zone_out:       0
E:fwd_other_err:        0           frm_err_discard:    0
E:Fltr listA:   0           Fltr listB:         0
E:Zone trap fwd:        0           Zone trap disc:     0
E:shim_csum:    0           RTE_perr:           0
E:Invalid_crc:  0           Delim_err:          0
E:Protocol_err: 0
E:Lr_in:        0           Lr_out:             0
```

```
E:Ols_in:       0           Ols_out:            0


filterportshow 44

                FILTER DATA
                -----------
Shadow settings:
   Filter Enable: 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass: 0x00000000
Real settings:
   Enable RAM: 0x00000000, 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
```

```
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass RAM: 0x00000000

Shadowed filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        c4_fldenable[0] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[0] = 0x00000000,c4_fltr_config[0] = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        c4_fldenable[1] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[1] = 0x00000000,c4_fltr_config[1] = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        c4_fldenable[2] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[2] = 0x00000000,c4_fltr_config[2] = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        c4_fldenable[3] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[3] = 0x00000000,c4_fltr_config[3] = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        c4_fldenable[4] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[4] = 0x00000000,c4_fltr_config[4] = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        c4_fldenable[5] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[5] = 0x00000000,c4_fltr_config[5] = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        c4_fldenable[6] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[6] = 0x00000000,c4_fltr_config[6] = 0x00000000
```

```
Filter 7: Not Installed (TIN TRAP)(LISTA)
        c4_fldenable[7] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[7] = 0x00000000,c4_fltr_config[7] = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        c4_fldenable[8] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[8] = 0x00000000,c4_fltr_config[8] = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        c4_fldenable[9] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[9] = 0x00000000,c4_fltr_config[9] = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        c4_fldenable[10] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[10] = 0x00000000,c4_fltr_config[10] =
0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        c4_fldenable[11] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[11] = 0x00000000,c4_fltr_config[11] =
0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        c4_fldenable[12] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[12] = 0x00000000,c4_fltr_config[12] =
0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        c4_fldenable[13] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[13] = 0x00000000,c4_fltr_config[13] =
0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        c4_fldenable[14] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[14] = 0x00000000,c4_fltr_config[14] =
0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        c4_fldenable[15] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[15] = 0x00000000,c4_fltr_config[15] =
0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        c4_fldenable[16] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[16] = 0x00000000,c4_fltr_config[16] =
0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        c4_fldenable[17] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[17] = 0x00000000,c4_fltr_config[17] =
0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        c4_fldenable[18] = 0x00000000 0x00000000 0x00000000
```

```
0x00000000
        c4_fldnegate[18] = 0x00000000,c4_fltr_config[18] =
0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        c4_fldenable[19] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[19] = 0x00000000,c4_fltr_config[19] =
0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        c4_fldenable[20] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[20] = 0x00000000,c4_fltr_config[20] =
0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        c4_fldenable[21] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[21] = 0x00000000,c4_fltr_config[21] =
0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        c4_fldenable[22] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[22] = 0x00000000,c4_fltr_config[22] =
0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        c4_fldenable[23] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[23] = 0x00000000,c4_fltr_config[23] =
0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        c4_fldenable[24] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[24] = 0x00000000,c4_fltr_config[24] =
0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        c4_fldenable[25] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[25] = 0x00000000,c4_fltr_config[25] =
0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        c4_fldenable[26] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[26] = 0x00000000,c4_fltr_config[26] =
0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        c4_fldenable[27] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[27] = 0x00000000,c4_fltr_config[27] =
0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        c4_fldenable[28] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[28] = 0x00000000,c4_fltr_config[28] =
0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
```

```
        c4_fldenable[29] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[29] = 0x00000000,c4_fltr_config[29] =
0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        c4_fldenable[30] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[30] = 0x00000000,c4_fltr_config[30] =
0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        c4_fldenable[31] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[31] = 0x00000000,c4_fltr_config[31] =
0x00000000


Real filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
```

```
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
```

```
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000

Filter dirty indicator: 0x00000000
Performance filters: 0
Port Mirror filters: 0 (0x0)


               FIELD DATA
               ----------

Shadowed fields:

fldoffset[0] = 0x00,fldmask[0] = 0x00,fldvalue_dyna[0]:0x00 0x00
0x00 0x00
fldcontrol[0].inuse = 0x0  fldcontrol[0].refcnt = 0x00 0x00 0x00
0x00
fldoffset[1] = 0x00,fldmask[1] = 0x00,fldvalue_dyna[1]:0x00 0x00
```

0x00 0x00
fldcontrol[1].inuse = 0x0 fldcontrol[1].refcnt = 0x00 0x00 0x00
0x00
fldoffset[2] = 0x00,fldmask[2] = 0x00,fldvalue_dyna[2]:0x00 0x00
0x00 0x00
fldcontrol[2].inuse = 0x0 fldcontrol[2].refcnt = 0x00 0x00 0x00
0x00
fldoffset[3] = 0x00,fldmask[3] = 0x00,fldvalue_dyna[3]:0x00 0x00
0x00 0x00
fldcontrol[3].inuse = 0x0 fldcontrol[3].refcnt = 0x00 0x00 0x00
0x00
fldoffset[4] = 0x00,fldmask[4] = 0x00,fldvalue_dyna[4]:0x00 0x00
0x00 0x00
fldcontrol[4].inuse = 0x0 fldcontrol[4].refcnt = 0x00 0x00 0x00
0x00
fldoffset[5] = 0x00,fldmask[5] = 0x00,fldvalue_dyna[5]:0x00 0x00
0x00 0x00
fldcontrol[5].inuse = 0x0 fldcontrol[5].refcnt = 0x00 0x00 0x00
0x00
fldoffset[6] = 0x00,fldmask[6] = 0x00,fldvalue_dyna[6]:0x00 0x00
0x00 0x00
fldcontrol[6].inuse = 0x0 fldcontrol[6].refcnt = 0x00 0x00 0x00
0x00
fldoffset[7] = 0x00,fldmask[7] = 0x00,fldvalue_dyna[7]:0x00 0x00
0x00 0x00
fldcontrol[7].inuse = 0x0 fldcontrol[7].refcnt = 0x00 0x00 0x00
0x00
fldoffset[8] = 0x00,fldmask[8] = 0x00,fldvalue_dyna[8]:0x00 0x00
0x00 0x00
fldcontrol[8].inuse = 0x0 fldcontrol[8].refcnt = 0x00 0x00 0x00
0x00
fldoffset[9] = 0x00,fldmask[9] = 0x00,fldvalue_dyna[9]:0x00 0x00
0x00 0x00
fldcontrol[9].inuse = 0x0 fldcontrol[9].refcnt = 0x00 0x00 0x00
0x00
fldoffset[10] = 0x00,fldmask[10] = 0x00,fldvalue_dyna[10]:0x00 0x00
0x00 0x00
fldcontrol[10].inuse = 0x0 fldcontrol[10].refcnt = 0x00 0x00 0x00
0x00
fldoffset[11] = 0x00,fldmask[11] = 0x00,fldvalue_dyna[11]:0x00 0x00
0x00 0x00
fldcontrol[11].inuse = 0x0 fldcontrol[11].refcnt = 0x00 0x00 0x00
0x00
fldoffset[12] = 0x00,fldmask[12] = 0x00,fldvalue_dyna[12]:0x00 0x00
0x00 0x00
fldcontrol[12].inuse = 0x0 fldcontrol[12].refcnt = 0x00 0x00 0x00
0x00
fldoffset[13] = 0x00,fldmask[13] = 0x00,fldvalue_dyna[13]:0x00 0x00
0x00 0x00
fldcontrol[13].inuse = 0x0 fldcontrol[13].refcnt = 0x00 0x00 0x00
0x00
fldoffset[14] = 0x00,fldmask[14] = 0x00,fldvalue_dyna[14]:0x00 0x00
0x00 0x00
fldcontrol[14].inuse = 0x0 fldcontrol[14].refcnt = 0x00 0x00 0x00

```
0x00
fldoffset[15] = 0x00,fldmask[15] = 0x00,fldvalue_dyna[15]:0x00 0x00
0x00 0x00
fldcontrol[15].inuse = 0x0  fldcontrol[15].refcnt = 0x00 0x00 0x00
0x00
fldoffset[16] = 0x00,fldmask[16] = 0x00,fldvalue_dyna[16]:0x00 0x00
0x00 0x00
fldcontrol[16].inuse = 0x0  fldcontrol[16].refcnt = 0x00 0x00 0x00
0x00
fldoffset[17] = 0x00,fldmask[17] = 0x00,fldvalue_dyna[17]:0x00 0x00
0x00 0x00
fldcontrol[17].inuse = 0x0  fldcontrol[17].refcnt = 0x00 0x00 0x00
0x00
fldoffset[18] = 0x00,fldmask[18] = 0x00,fldvalue_dyna[18]:0x00 0x00
0x00 0x00
fldcontrol[18].inuse = 0x0  fldcontrol[18].refcnt = 0x00 0x00 0x00
0x00
fldoffset[19] = 0x00,fldmask[19] = 0x00,fldvalue_dyna[19]:0x00 0x00
0x00 0x00
fldcontrol[19].inuse = 0x0  fldcontrol[19].refcnt = 0x00 0x00 0x00
0x00

Real fields:

fldoffset RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fldmask RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fld value4 RAM:
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
Field dirty indicator: 0x00000000

FDB reference count fdb: 0 [0 0 0 0 ]
FDB reference count fdb: 1 [0 0 0 0 ]
FDB reference count fdb: 2 [0 0 0 0 ]
```

```
FDB reference count fdb: 3 [0 0 0 0 ]
FDB reference count fdb: 4 [0 0 0 0 ]
FDB reference count fdb: 5 [0 0 0 0 ]
FDB reference count fdb: 6 [0 0 0 0 ]
FDB reference count fdb: 7 [0 0 0 0 ]
FDB reference count fdb: 8 [0 0 0 0 ]
FDB reference count fdb: 9 [0 0 0 0 ]
FDB reference count fdb: 10 [0 0 0 0 ]
FDB reference count fdb: 11 [0 0 0 0 ]
FDB reference count fdb: 12 [0 0 0 0 ]
FDB reference count fdb: 13 [0 0 0 0 ]
FDB reference count fdb: 14 [0 0 0 0 ]
FDB reference count fdb: 15 [0 0 0 0 ]
FDB reference count fdb: 16 [0 0 0 0 ]
FDB reference count fdb: 17 [0 0 0 0 ]
FDB reference count fdb: 18 [0 0 0 0 ]
FDB reference count fdb: 19 [0 0 0 0 ]

Filter counters:
   Filter counter 0: 0  (MIRROR1)
   Filter counter 1: 0  (MIRROR2)
   Filter counter 2: 0  (MIRROR3)
   Filter counter 3: 0  (MIRROR4)
   Filter counter 4: 0  (AEPORT_NON_MIRR_DROP)
   Filter counter 5: 0  (ZONING TRAP)
   Filter counter 6: 0  (FCR_EXPORT_DC)
   Filter counter 7: 0  (TIN TRAP)
   Filter counter 8: 0  (FICON CUP)
   Filter counter 9: 0  (FICON CUP DST)
   Filter counter 10: 0 (WELL KNOWN ADDR)
   Filter counter 11: 0 (SIM)
   Filter counter 12: 0 (UNUSED)
   Filter counter 13: 0 (UNUSED)
   Filter counter 14: 0 (UNUSED)
   Filter counter 15: 0 (UNUSED)
   Filter counter 16: 0 (PERF1)
   Filter counter 17: 0 (PERF2)
   Filter counter 18: 0 (PERF3)
   Filter counter 19: 0 (PERF4)
   Filter counter 20: 0 (PERF5)
   Filter counter 21: 0 (PERF6)
   Filter counter 22: 0 (PERF7)
   Filter counter 23: 0 (PERF8)
   Filter counter 24: 0 (PERF9)
   Filter counter 25: 0 (PERF10)
   Filter counter 26: 0 (PERF11)
   Filter counter 27: 0 (PERF12)
   Filter counter 28: 0 (OPM1)
   Filter counter 29: 0 (OPM2)
   Filter counter 30: 0 (IPM1)
   Filter counter 31: 0 (IPM2)

                ACL DATA
                --------
```

```
Logical port 23: Hard Zoning disabled, Soft Zoning disabled
Zone type: WWN Zoning
Frames with hard zone miss: 0

*** Please use filterportshow on user port 56 to display ACL hash
tables and Mirroring resources of thischip.
 ***We show this data only for the first physical port which is an
exernal port.

portFcPortCmdShow --slot 0 45 3
doing portFcPortCmdShow: arg1 = 3, arg2 = -2

portshow 45
portDisableReason: None
portCFlags: 0x1
portFlags: 0x1   PRESENT U_PORT
LocalSwcFlags: 0x0
portType:  26.0
POD Port: Port is licensed
portState: 2    Offline
Protocol: FC
portPhys:  4    No_Light        portScn:   2    Offline
port generation number:    0
state transition count:    1

portId:    012d00
portIfId:    43020014
portWwn:   20:2d:d8:1f:cc:2c:99:90
portWwn of device(s) connected:
16b Area list:
Distance:  normal
portSpeed: N32Gbps

FEC: Inactive
Credit Recovery: Inactive
LE domain: 0
Peer beacon: Off
FC Fastwrite: OFF
Interrupts:        0          Link_failure: 0          Frjt:
0
Unknown:           0          Loss_of_sync: 0          Fbsy:
0
Lli:               0          Loss_of_sig:  0
Proc_rqrd:         0          Protocol_err: 0
Timed_out:         0          Invalid_word: 0
Tx_unavail:        0          Invalid_crc:  0
Delim_err:         0          Address_err:  0
Lr_in:             0          Ols_in:       0
Lr_out:            0          Ols_out:      0


portloginshow 45
Type  PID     World Wide Name        credit df_sz cos
=====================================================
```

```
portloginshow 45 -history
 Type  PID      World Wide Name           logout time
============================================================


portregshow 45

LED registers
=============
0x81ca2000: c4_led_status           00000000    0x81ca2004:
c4_led_ctl              00000000

FPL registers
=============
0x81ca0200: fpl_port_config         23298002
0x81ca020c: fpl_port_id_ctl         00000000    0x81ca0210:
fpl_port_id_addr        00012d00
0x81ca0214: fpl_port_speed          00000004    0x81ca021c:
fpl_lli_ctl             00000100
0x81ca0228: fpl_lli_os_ctl          bc94ffff    0x81ca022c:
fpl_lli_send_word       bc95b5b5
0x81ca0230: fpl_lli_mark_rx         00000000    0x81ca0234:
fpl_lli_rnd_trip_time   00000000
0x81ca0238: fpl_lli_ns_status       00130007    0x81ca023c:
fpl_lli_intr_status     00030007
0x81ca0244: fpl_lli_def             00100000    0x81ca0254:
fpl_lli_intr_enable_clr 001c0000
0x81ca0258: fpl_err_intr_status     00000000    0x81ca0260:
fpl_err_intr_enable_clr 00000000
0x81ca0268: fpl_err_first_error     00000000    0x81ca026c:
fpl_speed_neg_ctl       00000000
0x81ca0270: fpl_speed_neg_stat      00000000    0x81ca0274:
fpl_softasn_ctl         0000000f
0x81ca0278: fpl_link_init_ctl       00000000    0x81ca027c:
fpl_link_init_stat      00000000
0x81ca0280: fpl_aec_ctl             001c1060    0x81ca0284:
fpl_aec_ctl2            04009f60
0x81ca0288: fpl_pcs_ctl             00000170    0x81ca028c:
fpl_fec_ctl             00000424
0x81ca0290: fpl_fec_cor             00000000    0x81ca0294:
fpl_fec_uncor           00000000
0x81ca0298: fpl_hss_link_ctl        0031f040    0x81ca029c:
fpl_afifo_link_ctl      00000a86
0x81ca02a0: fpl_echo_lb_ctl         0000028c    0x81ca02a4:
fpl_scratch             00000121
0x81ca02a8: fpl_debug               00060005    0x81ca02ac:
fpl_misc_debug          00000800
0x00000000: SW_shadow_reg           00000000    0x00000000:
SW_c4_phyp->cfgptr      00030003

per-fpg (per octet) registers
=============================
```

```
0x8181382c: fpg_serdes_ctla0        81a37be7    0x81813830:
fpg_serdes_ctla1        81a37be7
0x81813834: fpg_serdes_ctlb0        81a1c3c3    0x81813838:
fpg_serdes_ctlb1        81a1c3c3
0x8181383c: fpg_serdes_xgmii_1ms    00067c28    0x81813840:
fpg_serdes_regtimctl    40e47946
0x81813844: fpg_serdes_asnrsttimctl 00000102

HSS PLL registers
=============================
0x81813400: 00_hssplla_vco_coarse_cal0      00000000    0x81813404:
01_hssplla_vco_coarse_cal1      00000014
0x81813408: 02_hssplla_vco_coarse_cal2      00000000    0x8181340c:
03_hssplla_vco_coarse_cal3      00000000
0x81813410: 04_hssplla_vco_coarse_cal4      00000000    0x81813424:
09_hssplla_power_ctl            00000000
0x81813428: 0A_hssplla_charge_pump_ctl      00000004    0x81813438:
0E_hssplla_pll_misc_ctl         00000000
0x8181343c: 0F_hssplla_pclk_ctl             000000f8    0x81813440:
10_hssplla_eyem_intv_ctl        00000000
0x81813444: 11_hssplla_eyem_intv_lim1       00000000    0x81813448:
12_hssplla_eyem_intv_lim2       00000000
0x8181344c: 13_hssplla_eyem_intv_lim3       00000000    0x81813450:
14_hssplla_eyem_intv_lim4       00000000
0x818134f0: 3C_hssplla_macro_tst_ctl4       00000000    0x818134f4:
3D_hssplla_macro_tst_ctl3       00000000
0x818134f8: 3E_hssplla_macro_tst_ctl2       00000000    0x818134fc:
3F_hssplla_macro_tst_ctl1       00000000
0x81813500: 00_hssp1lb_vco_coarse_cal0      0000000a    0x81813504:
01_hssp1lb_vco_coarse_cal1      00000014
0x81813508: 02_hssp1lb_vco_coarse_cal2      00000000    0x8181350c:
03_hssp1lb_vco_coarse_cal3      00000000
0x81813510: 04_hssp1lb_vco_coarse_cal4      00000000    0x81813524:
09_hssp1lb_power_ctl            00000000
0x81813528: 0A_hssp1lb_charge_pump_ctl      00000004    0x81813538:
0E_hssp1lb_pll_misc_ctl         00000000
0x8181353c: 0F_hssp1lb_pclk_ctl             000000f8    0x81813540:
10_hssp1lb_eyem_intv_ctl        00000000
0x81813544: 11_hssp1lb_eyem_intv_lim1       00000000    0x81813548:
12_hssp1lb_eyem_intv_lim2       00000000
0x8181354c: 13_hssp1lb_eyem_intv_lim3       00000000    0x81813550:
14_hssp1lb_eyem_intv_lim4       00000000
0x818135f0: 3C_hssp1lb_macro_tst_ctl4       00000000    0x818135f4:
3D_hssp1lb_macro_tst_ctl3       00000000
0x818135f8: 3E_hssp1lb_macro_tst_ctl2       00000000    0x818135fc:
3F_hssp1lb_macro_tst_ctl1       00000000

HSS TX registers
================
0x81812000: 00_hsstx_cfg_mode_PHY           00009f48    0x81812004:
01_hsstx_test_ctl               00000000
0x81812008: 02_hsstx_coeff_ctl_INV          00000000    0x8181200c:
03_hsstx_drv_mode_ctl           00000000
0x81812010: 04_hsstx_drv_ovrd_ctl           00000010    0x81812014:
```

```
05_hsstx_dclk_align_ovrd        00000080
0x81812018: 06_hsstx_imp_cal_ovrd           00000c0c    0x8181201c:
07_hsstx_dclk_drift_tol         00000004
0x81812020: 08_hsstx_tap0_coeff_TUNE        00000000    0x81812024:
09_hsstx_tap1_coeff_TUNE        00000003
0x81812028: 0A_hsstx_tap2_coeff_TUNE        00000019    0x8181202c:
0B_hsstx_tap3_coeff_TUNE        00000003
0x81812034: 0D_hsstx_pol_INV                0000000a    0x81812038:
0E_hsstx_ae_cmd                 00000000
0x8181203c: 0F_hsstx_ae_stat                00000000    0x81812040:
10_hsstx_ae_tap0_TUNE           00000000
0x81812044: 11_hsstx_ae_tap1_TUNE           00000000    0x81812048:
12_hsstx_ae_tap2_TUNE           00000028
0x8181204c: 13_hsstx_ae_tap3_TUNE           00000000    0x81812054:
15_hsstx_app_tune               0000120e
0x81812058: 16_hsstx_analog_diag            00000000    0x81812060:
18_hsstx_4x_seg_app             0000aa00
0x81812064: 19_hsstx_2x_seg_app             000000aa    0x81812068:
1A_hsstx_1x_seg_app             0000f5e4
0x8181206c: 1B_hsstx_seg_4x_term_app        0000000f    0x81812070:
1C_hsstx_seg_2x1x_term_app      00000001
0x81812074: 1D_hsstx_tap_sign_app           0000000a    0x81812078:
1E_hsstx_ext_addr_data          00000001
0x8181207c: 1F_hsstx_ext_addr_addr          00000000    0x81812080:
20_hsstx_pat_buf_bytes_1_0      00000000
0x81812084: 21_hsstx_pat_buf_bytes_3_2      00000000    0x81812088:
22_hsstx_pat_buf_bytes_5_4      00000000
0x8181208c: 23_hsstx_pat_buf_bytes_7_6      00000000    0x8181209c:
27_hsstx_8023az_ctl             00000000
0x818120a0: 28_hsstx_dcc_ctl                000060c0    0x818120a4:
29_hsstx_dcc_ovrd               00000000
0x818120a8: 2A_hsstx_dcc_app                00000102    0x818120ac:
2B_hsstx_dcc_timeout            0000ffff
0x818120c0: 30_hsstx_tap_sign_ovrd          00000000    0x818120c8:
32_hsstx_seg_4x_ovrd            00000000
0x818120cc: 33_hsstx_seg_2x_ovrd            00000000    0x818120d0:
34_hsstx_seg_1x_ovrd            00000000
0x818120d8: 36_hsstx_tap_seg_4x_term_ovrd   00000000    0x818120dc:
37_hsstx_tap_seg_2x_term_ovrd   00000000
0x818120e0: 38_hsstx_tap_seg_1x_term_ovrd   00000000    0x818120ec:
3B_hsstx_mac_test_ctl5          00000000
0x818120f0: 3C_hsstx_mac_test_ctl4          00000000    0x818120f4:
3D_hsstx_mac_test_ctl3          00000000
0x818120f8: 3E_hsstx_mac_test_ctl2          00000000    0x818120fc:
3F_hsstx_mac_test_ctl1          000000c6

HSS RX registers
================
0x81812200: 00_hssrx_cfg_mode_PHY           00009e78    0x81812204:
01_hssrx_test_ctl               00000000
0x81812208: 02_hssrx_phs_rot_ctl            0000cb80    0x8181220c:
03_hssrx_phs_rot_ofs_ctl        00000610
0x81812210: 04_hssrx_phs_rot_posn1          00001f1d    0x81812214:
05_hssrx_phs_rot_posn2          0000000d
```

```
0x81812218: 06_hssrx_phs_rot_sta_ofs1       00000102    0x8181221c:
07_hssrx_phs_rot_sta_ofs2       00000000
0x81812220: 08_hssrx_dfe_ctl_PHY            00002002    0x81812224:
09_hssrx_dfe_smpl_snap1         00000000
0x81812228: 0A_hssrx_dfe_smpl_snap2         00008000    0x8181222c:
0B_hssrx_vga_ctl1               000041fb
0x81812230: 0C_hssrx_vga_ctl2               00007aa0    0x81812234:
0D_hssrx_vga_ctl3               000009e4
0x81812238: 0E_hssrx_pwr_mgmnt_ctl          0000001f    0x8181223c:
0F_hssrx_iqamp_ctl1             00000019
0x81812240: 10_hssrx_iqamp_ctl2             00000016    0x81812244:
11_hssrx_dacap_dacan_sel        00000003
0x81812248: 12_hssrx_dacap_dacan            00000201    0x8181224c:
13_hssrx_daca_min               00000000
0x81812250: 14_hssrx_adac_ctl               00000001    0x81812254:
15_hssrx_ac_cp_ctl              000031c3
0x81812258: 16_hssrx_ac_cp_val              00000054    0x8181225c:
17_hssrx_dfe_h1h2h3_lcl_off_ch  00000014
0x81812260: 18_hssrx_dfe_h1h2h3_lcl_off_val 00000000    0x81812264:
19_hssrx_peaked_intg            000000ff
0x81812268: 1A_hssrx_cdr_analog_sw          0000ce00    0x8181226c:
1B_hssrx_peaking_amp_init_c_PHY 00000000
0x81812270: 1C_hssrx_dac_dpc                00000040    0x81812274:
1D_hssrx_ddc                    00000000
0x81812278: 1E_hssrx_int_stat_PHY           00000c0f    0x8181227c:
1F_hssrx_dfe_func_ctl1_PHY      0000ffff
0x81812280: 20_hssrx_dfe_func_ctl2_INV      00007eff    0x81812284:
21_hssrx_ofs_ch_dcc_qcc_idx     00002000
0x81812288: 22_hssrx_dfe_ofs_val            00007b7f    0x8181228c:
23_hssrx_h_coeff_bist           00000401
0x81812290: 24_hssrx_ac_cap_bist            00000000    0x81812294:
25_hssrx_max_gain_path_idx_res  00007800
0x81812298: 26_hssrx_loff_ctl               00000054    0x8181229c:
27_hssrx_sigdet_ctl             00002180
0x818122a0: 28_hssrx_ana_ctl_sw             00000000    0x818122a4:
29_hssrx_intg_dac_ofs           0000acde
0x818122a8: 2A_hssrx_eye_ctl                00000000    0x818122ac:
2B_hssrx_eye_met                00000004
0x818122b0: 2C_hssrx_eye_met_err_cnt        00000000    0x818122b4:
2D_hssrx_eye_met_pdf_eyec       00000000
0x818122b8: 2E_hssrx_eye_met_pat_len        0000007f    0x818122bc:
2F_hssrx_dfe_func_ctl3          0000dfff
0x818122c0: 30_hssrx_dfe_tap_ctl_idx_ptr    00000008    0x818122c4:
31_hssrx_dfe_tap                00003030
0x818122c8: 32_hssrx_lte_ctl_TUNE           00000600    0x818122e4:
39_hssrx_int_stat2              000041ff
0x818122e8: 3A_hssrx_ac_cpl_cur_src_adj     00000040    0x818122ec:
3B_hssrx_dcd_ctl                00007c42
0x818122f0: 3C_hssrx_dcc_ctl                00000d00    0x818122f4:
3D_hssrx_qcc_ctl                00006942
0x818122f8: 3E_hssrx_mac_test_ctl2          00000000    0x818122fc:
3F_hssrx_mac_test_ctl1          00000000
0x81812248: 12_hssrx_dacap_dacan[02]                0200 0201
0x81812260: 18_hssrx_dfe_h1h2h3_lcl_off_va[00]      0000 0000   0000
```

```
0000   0000 0000   0000 0000
0x81812260: 18_hssrx_dfe_h1h2h3_lcl_off_va[08]      0000 0000   0000
0000   0000 0000   0000 0000
0x81812260: 18_hssrx_dfe_h1h2h3_lcl_off_va[16]      0000 0000   0000
0000   0000
0x81812288: 22_hssrx_dfe_ofs_val[00][00]            7b7f 0000   7b7f
0000   7d7f 0000
0x81812288: 22_hssrx_dfe_ofs_val[03][00]            0379 0000   7d05
007f   057a 7f00
0x81812288: 22_hssrx_dfe_ofs_val[06][00]            7b7f 0000   0679
7f00   0507 7f7f
0x81812288: 22_hssrx_dfe_ofs_val[09][00]            0907 7f7f   017d
0000   077d 7f00
0x81812288: 22_hssrx_dfe_ofs_val[12][00]            0c7d 7f00   0201
0000   0301 0000
0x81812288: 22_hssrx_dfe_ofs_val[15][00]            0307 0000   7c01
0000   7d02 0000
0x81812288: 22_hssrx_dfe_ofs_val[18][00]            0779 7f00   027f
0000   0001 0000
0x81812288: 22_hssrx_dfe_ofs_val[21][00]            0001 0000   0001
0000   0001 0000
0x81812288: 22_hssrx_dfe_ofs_val[24][00]            7d05 007f   077a
7f00   007e 0000
0x81812294: 25_hssrx_max_gain_path_idx_res[00]      005e 0852   1102
1892   20df 289f   3084 3800
0x81812294: 25_hssrx_max_gain_path_idx_res[08]      40bf 488a   5079
5800   6040 6803   7000 7800
0x818122c4: 31_hssrx_dfe_tap[00]                    fffe 8080   0000
0000   0030 0030   3030 3030
0x818122c4: 31_hssrx_dfe_tap[08]                    3030 3030   3030
0000
0x818122e8: 3A_hssrx_ac_cpl_cur_src_adj[00]         0040 0040   0040
0040
0x818122ec: 3B_hssrx_dcd_ctl[00]                    7c42 5c00   7c85
5c00   7c81
0x818122f0: 3C_hssrx_dcc_ctl[00]                    0d00 0d83   0d81
0d41
0x818122f4: 3D_hssrx_qcc_ctl[00]                    6948 6942

xfipcs, fec, aec, & aet registers
=================================
0x81ca0400: xfipcs_reg              [00] 00002040 00000080 00000000
00000000    00000001 00000008 00000000 00000000
0x81ca0420: xfipcs_reg              [08] 00008401 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81ca0440: xfipcs_reg              [16] 00000000 00000000 00000000
00000000    00000040 00000000 00000000 00000000
0x81ca0460: xfipcs_reg              [24] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81ca0480: xfipcs_reg              [32] 00000004 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81ca0620: fec_32g_128g_reg        [08] 00000000 00008003 00000000
00000000    00000000 00000000 00000000
0x81ca0648: fec_32g_128g_reg        [18] 00000000 00000000 00000000
```

```
00000000    00000000 00000000 00000000 00000000
0x81ca0a00: aec_reg                 [00] 00000000 00000000 00000000
00000000    00000040 00000000 00000000 00002490
0x81ca0c00: aet_reg                 [00] 000000b0 00007000 000008c4
00000000    00000000

bbc registers
=============
0x81ca1800: bbc_trc                 0    0    0    0    0    0    0
0
0x81ca1840: bbc_trc                 0    0    0    0    0    0    0
0
0x81ca1880: bbc_trc                 0    0    0    0    0    0    0
0
0x81ca18c0: bbc_trc                 0    0    0    0    0    0    0
0
0x81ca1900: bbc_trc                 0    0    0    0    0    0    0
0
0x81ca1804: bbc_mbc                 0    0    0    0    0    0    0
0
0x81ca1844: bbc_mbc                 0    0    0    0    0    0    0
0
0x81ca1884: bbc_mbc                 0    0    0    0    0    0    0
0
0x81ca18c4: bbc_mbc                 0    0    0    0    0    0    0
0
0x81ca1904: bbc_mbc                 0    0    0    0    0    0    0
0
0x81ca1a00: bbc_rcc                 0    0    0    0    0    0    0
0
0x81ca1a20: bbc_rcc                 0    0    0    0    0    0    0
0
0x81ca1a40: bbc_rcc                 0    0    0    0    0    0    0
0
0x81ca1a60: bbc_rcc                 0    0    0    0    0    0    0
0
0x81ca1a80: bbc_rcc                 0    0    0    0    0    0    0
0
0x81ca1c00: bbc_rqc                 0    0    0    0    0    0    0
0
0x81ca1c20: bbc_rqc                 0    0    0    0    0    0    0
0
0x81ca1c40: bbc_rqc                 0    0    0    0    0    0    0
0
0x81ca1c60: bbc_rqc                 0    0    0    0    0    0    0
0
0x81ca1c80: bbc_rqc                 0    0    0    0    0    0    0
0
0x81ca1d00: bbc_fbpc                00000000    0x81ca1d04: bbc_csc
00000000
0x81ca1d08: bbc_rcc_inc             00000000    0x81ca1d0c:
bbc_rqc_inc             00000000
0x81ca1d10: bbc_fbpc_inc            00000000    0x81ca1d14:
bbc_tmc_inc             00000000
```

```
0x81ca1d18: bbc_threshold           00080100    0x81ca1d1c:
bbc_counter_clr         00000000
0x81ca1d20: bbc_debug_en            00000000    0x81ca1d24: bbc_ctrl
00200120
0x81ca1d28: bbc_rqc_rcc_thresh      00000055    0x81ca1d34:
bbc_bb_sc_n             00000000
0x81ca1d38: bbc_crd_reco_debug      00000000    0x81ca1d3c:
bbc_crd_reco_debug_data 00000000
0x81ca1d40: bbc_multi_frm_loss_cnt  00000000    0x81ca1d44:
bbc_multi_rdy_loss_cnt  00000000
0x81ca1d48: bbc_1frm_loss_recov_cnt 00000000    0x81ca1d4c:
bbc_1rdy_loss_recov_cnt 00000000
0x81ca1d58: bbc_int_status          00000000    0x81ca1d5c:
bbc_int_set             00000000
0x81ca1d60: bbc_int_first           00000000    0x81ca1d64:
bbc_frm_rdy_rx_err_addr 00000000
0x81ca1d68: bbc_frm_rdy_tx_err_addr 00000000    0x81ca1d6c:
bbc_trc_mbc_err_addr    00000000
0x81ca1d70: bbc_frm_rdy_rx_dbl_ecc  00000000    0x81ca1d74:
bbc_frm_rdy_tx_dbl_ecc  00000000
0x81ca1d78: bbc_trc_mbc_dbl_ecc     00000000
0x81ca1d7c: bbc_fsm_status          00001011    0x81ca1d80:
bbc_force_err           00000000
0x81ca1d84: bbc_crdt_avail0         00000000    0x81ca1d88:
bbc_crdt_avail1         00000000
0x81ca1d8c: bbc_scratch             00000000

FPS registers
=============
0x81ca0004: fps_er_enc_in           00000000    0x81ca0008:
fps_er_crc              00000000
0x81ca000c: fps_er_trunc            00000000    0x81ca0010:
fps_er_toolong          00000000
0x81ca0014: fps_er_bad_eof          00000000    0x81ca0018:
fps_er_enc_out          00000000
0x81ca001c: fps_er_bad_os           00000000    0x81ca0020:
fps_er_flush            00000000
0x81ca0024: fps_er_ifg              00000000    0x81ca0038:
fps_er_crc_good_eof     00000000
0x81ca003c: fps_inv_arb             00000000    0x81ca0040:
fps_slow_sts_status     00000000
0x81ca0044: fps_tx_frm_cnt          00000000    0x81ca0048:
fps_rx_frm_cnt          00000000
0x81ca0050: fps_tx_word_cnt_hi      00000000    0x81ca004c:
fps_tx_word_cnt_lo      00000000
0x81ca0058: fps_rx_word_cnt_hi      00000000    0x81ca0054:
fps_rx_word_cnt_lo      00000000

BAL registers
=============
0x81ca7000: bal_desired_buf         00000000    0x81ca7004:
bal_alloc_buf           00000000
0x81ca7008: bal_busy_buf            00000000    0x81ca700c:
bal_usable_buf          00000000
```

```
0x81ca7010: bal_max_bor_buf         00000000
0x81ca7014: bal_busy_buf_thresh     00000002

TXQ registers
=============
0x81ca3004: txq_phys_port_ctl       00440000
0x81ca3050: txq_link_skew           00000000
0x81ca3068: txq_cr_lk_dttn_intr_sts [00] 00000000 00000000
0x81ca3070: txq_cr_lk_dttn_intr_en  [00] 00000000 00000000
0x81ca3024: txq_disc_frm_trap_cnt   00000014

FDS registers
=============
0x81ca4000: fds_rxf_ctl             00000002    0x81ca4004:
fds_rxf_wait_thresh     00000909
0x81ca4018: fds_rxf_first_error     00000000    0x81ca401c:
fds_rxf_first_error_info00000000
0x81ca4020: fds_rxf_inout_pkt_cnt   00000000
0x81ca4008: fds_rxf_err_int_status  00000000    0x81ca4024:
fds_rxf_fifo_status     00888888
0x81ca5000: fds_txf_ctl             0000003a    0x81ca5004:
fds_txf_wait_ifg_thresh 00a00106
0x81ca5008: fds_txf_err_int_status  00000000    0x81ca5024:
fds_txf_fifo_status     00088888
0x81ca502c: fds_txf_bbc_scs         00000000

Logical TXQ registers
=====================
0x81ca3000: txq_log_port_ctl        00000002    0x81ca3008:
txq_port_status         00000000
0x81ca300c: txq_todo_flags          [00] 00000000 00000000
0x81ca3014: txq_spd_match_desc      [00] 00000000 00000000 00000000
00000000
0x81ca3024: txq_spd_match_desc      [04] 00000014
0x81ca3028: txq_vc_weight           [00] 01010101 01010101 01010101
01010101
0x81ca3038: txq_vc_weight           [04] 01010101 01010101 01010101
01010101
0x81ca3048: txq_vc_weight           [08] 01010101 00010101
0x81ca3054: txq_cong_dttn_ctrl      00000106
0x81ca3058: txq_cong_dttn_intr_sts  [00] 00000000 00000000
0x81ca3060: txq_cong_dttn_intr_en   [00] 00000000 00000000
0x81ca3078: txq_bw_limit_en_reg     [00] 00000000 00000000
0x81ca3080: txq_bw_gua_en_reg       [00] 00000000 00000000
0x81ca3088: txq_vc_group            [00] 03030300 03030303 03030303
03030303
0x81ca3098: txq_vc_group            [04] 03030303 03030303 03030303
03030303
0x81ca30a8: txq_vc_group            [08] 03030303 03030303 00000000
00000000
0x81ca30b0: txq_bw_thresh_group     [00] 00000000 00000000 00000000
00000000
0x81ca30c0: txq_bw_thresh_group     [04] 00000000 00000000 00000000
00000000
```

```
0x81ca30d0: txq_bw_thresh_group     [08] 00000000 00000000 00000000
00000000
0x81ca30e0: txq_bw_thresh_group     [12] 00000000 00000000 00000000
00000000
0x81ca30f0: txq_bw_thresh_group     [16] 00000000 00000000 00000000
00000000
0x81ca3100: txq_bw_thresh_group     [20] 00000000 00000000 00000000
00000000
0x81ca3110: txq_bw_thresh_group     [24] 00000000 00000000 00000000
00000000
0x81ca3120: txq_bw_thresh_group     [28] 00000000 00000000 00000000
00000000
0x81ca3130: txq_bw_thresh_group     [32] 00000000 00000000 00000000
00000000
0x81ca3140: txq_bw_thresh_group     [36] 00000000 00000000 00000000
00000000

txq Congestion detection Statistics RAM
=======================================
0x81090c80: vc[0]       00000000        0x81090c84: vc[1]
00000000
0x81090c88: vc[2]       00000000        0x81090c8c: vc[3]
00000000
0x81090c90: vc[4]       00000000        0x81090c94: vc[5]
00000000
0x81090c98: vc[6]       00000000        0x81090c9c: vc[7]
00000000
0x81090ca0: vc[8]       00000000        0x81090ca4: vc[9]
00000000
0x81090ca8: vc[10]      00000000        0x81090cac: vc[11]
00000000
0x81090cb0: vc[12]      00000000        0x81090cb4: vc[13]
00000000
0x81090cb8: vc[14]      00000000        0x81090cbc: vc[15]
00000000
0x81090cc0: vc[16]      00000000        0x81090cc4: vc[17]
00000000
0x81090cc8: vc[18]      00000000        0x81090ccc: vc[19]
00000000
0x81090cd0: vc[20]      00000000        0x81090cd4: vc[21]
00000000
0x81090cd8: vc[22]      00000000        0x81090cdc: vc[23]
00000000
0x81090ce0: vc[24]      00000000        0x81090ce4: vc[25]
00000000
0x81090ce8: vc[26]      00000000        0x81090cec: vc[27]
00000000
0x81090cf0: vc[28]      00000000        0x81090cf4: vc[29]
00000000
0x81090cf8: vc[30]      00000000        0x81090cfc: vc[31]
00000000
0x81090d00: vc[32]      00000000        0x81090d04: vc[33]
00000000
0x81090d08: vc[34]      00000000        0x81090d0c: vc[35]
```

```
00000000
0x81090d10: vc[36]      00000000        0x81090d14: vc[37]
00000000
0x81090d18: vc[38]      00000000        0x81090d1c: vc[39]
00000000


Logical STS registers
=====================
0x81584f84: sts_ftb_type1_miss      00000000
0x81584f88: sts_ftb_type2_miss      00000000
0x81584f8c: sts_ftb_type6_miss      00000000
0x81584f90: sts_hard_zoning_miss    00000000
0x81584f94: sts_lun_zoning_miss     00000000
0x81584f9c: sts_unroutable          00000000
0x81581fb4: sts_rte_cl2             00000000    0x81581fb8:
sts_rte_cl3             00000000        0x81581fbc: sts_rte_link_ctl
00000000        0x81584fa8: sts_tx_timeout          00000000

Logical STS filter registers
=====================
0x81584f00: sts_flt_trig            [00] 00000000 00000000 00000000
00000000
0x81584f10: sts_flt_trig            [04] 00000000 00000000 00000000
00000000
0x81584f20: sts_flt_trig            [08] 00000000 00000000 00000000
00000000
0x81584f30: sts_flt_trig            [12] 00000000 00000000 00000000
00000000
0x81584f40: sts_flt_trig            [16] 00000000 00000000 00000000
00000000
0x81584f50: sts_flt_trig            [20] 00000000 00000000 00000000
00000000
0x81584f60: sts_flt_trig            [24] 00000000 00000000 00000000
00000000
0x81584f70: sts_flt_trig            [28] 00000000 00000000 00000000
00000000
0x81584f80: sts_flt_trig            [32]

Logical STS discard registers
=====================
0x81582d10: disc_mcast_wka          00000000    0x81582d14:
disc_inv_did            00000000
0x81582d18: disc_cl1_cl4            00000000    0x81582d1c:
disc_sid_chk_fail       00000000
0x81582d20: disc_inv_dom_egid_txpt  00000000    0x81582d24:
disc_vft_hop_cnt_1      00000000
0x81582d28: disc_classf             00000000    0x81582d2c:
disc_fcp_cdb_inv        00000000
0x81582d30: disc_vfid_trap_enabled  00000000    0x81582d34:
disc_vfid_hdr_chk_fail  00000000
0x81582d38: disc_shim_cksum_fail    00000000    0x81582d3c:
disc_fed_edit_cmd_err   00000000
0x81582d40: disc_ftb_vm_mode        00000000    0x81582d44:
```

```
disc_ftb_agn_t2_miss    00000000
0x81582d48: disc_ecb_reserved       00000000    0x81582d4c:
disc_ecb_de_pad_err     00000000
0x81582d50: disc_ecb_de_tag_err     00000000    0x81582d54:
disc_ecb_de_seq_err     00000000
0x81582d58: disc_ecb_err            00000000    0x81582d5c:
disc_ftb_type4_match    00000000
0x81582d60: disc_fcp_rsp_ftb_type4  00000000    0x81582d64:
disc_ftb_type5_match    00000000
0x81582d68: disc_ftb_type3_match    00000000    0x81582d6c:
disc_els_ftb_type3      00000000
0x81582d70: disc_ftb_type1_match    00000000    0x81582d74:
disc_els_rsp_ex_port    00000000
0x81582d78: disc_inv_drp_dps        00000000    0x81582d7c:
disc_did_lookup_miss    00000000
0x81582d80: disc_ftb_type2_match    00000000    0x81582d84:
disc_trpd_plogi_pdisc   00000000
0x81582d88: disc_type2_lookup_miss  00000000    0x81582d8c:
disc_ftb_type6_match    00000000
0x81582d90: disc_els_rep_ex_port    00000000    0x81582d94:
disc_els_sid_lkup_bit1  00000000
0x81582d98: disc_els_sid_lkup_bit0  00000000    0x81582d9c:
disc_bls_frm_trap_bit1  00000000
0x81582da0: disc_ftb_token_err      00000000    0x81582da4:
disc_asic_internal_err  00000000
0x81582da8: disc_hard_zone_miss     00000000    0x81582dac:
disc_lun_zone_miss      00000000
0x81582db0: disc_flt_frame_disc     00000000    0x81582db4:
disc_flt_parity_err     00000000
0x81582db8: disc_frame_marked_du    00000000    0x81582dbc:
disc_frame_marked_to    00000000
0x81582dc0: disc_lkup_rte_prty_err  00000000


portstatsshow 45
stat_wtx                0                   4-byte words transmitted
stat_wrx                0                   4-byte words received
stat_ftx                0                   Frames transmitted
stat_frx                0                   Frames received
stat_c2_frx             0                   Class 2 frames received
stat_c3_frx             0                   Class 3 frames received
stat_lc_rx              0                   Link control frames
received
stat_mc_rx              0                   Multicast frames
received
stat_mc_to              0                   Multicast timeouts
stat_mc_tx              0                   Multicast frames
transmitted
tim_txcrd_z             0                   Time TX Credit Zero
(2.5Us ticks)
tim_txcrd_z_vc  0- 3:  0           0           0           0
tim_txcrd_z_vc  4- 7:  0           0           0           0
tim_txcrd_z_vc  8-11:  0           0           0           0
tim_txcrd_z_vc 12-15:  0           0           0           0
```

```
lat_tot_pkt_vc  0- 3:  1           1           1           1
lat_tot_pkt_vc  4- 7:  1           1           1           1
lat_tot_pkt_vc  8-11:  1           1           1           1
lat_tot_pkt_vc 12-15:  1           1           1           1
lat_hi_time_vc  0- 3:  0           0           0           0
lat_hi_time_vc  4- 7:  0           0           0           0
lat_hi_time_vc  8-11:  0           0           0           0
lat_hi_time_vc 12-15:  0           0           0           0
lat_lo_time_vc  0- 3:  1           1           1           1
lat_lo_time_vc  4- 7:  1           1           1           1
lat_lo_time_vc  8-11:  1           1           1           1
lat_lo_time_vc 12-15:  1           1           1           1
max_latency_vc  0- 3:  1           1           1           1
max_latency_vc  4- 7:  1           1           1           1
max_latency_vc  8-11:  1           1           1           1
max_latency_vc 12-15:  1           1           1           1
latency_dma_ts          09-09-2024 UTC Mon 08:47:25             TXQ
Latency DMA TimeStamp
fec_cor_detected        0                   Count of blocks that
were corrected by FEC
fec_uncor_detected      0                   Count of blocks that
were left uncorrected by FEC
er_enc_in               0                   Encoding errors inside
of frames
er_crc                  0                   Frames with CRC errors
er_trunc                0                   Frames shorter than
minimum
er_toolong              0                   Frames longer than
maximum
er_bad_eof              0                   Frames with bad end-of-
frame
er_enc_out              0                   Encoding error outside
of frames
er_bad_os               0                   Invalid ordered set
er_pcs_blk              0                   PCS block errors
er_rx_c3_timeout        0                   Class 3 receive frames
discarded due to timeout
er_tx_c3_timeout        0                   Class 3 transmit frames
discarded due to timeout
er_unroutable           0                   Frames that are
unroutable
er_unreachable          0                   Frame with unreachable
destination
er_other_discard        0                   Other discards
er_type1_miss           0                   frames with FTB type 1
miss
er_type2_miss           0                   frames with FTB type 2
miss
er_type6_miss           0                   frames with FTB type 6
miss
er_zone_miss            0                   frames with hard zoning
miss
er_lun_zone_miss        0                   frames with LUN zoning
miss
```

```
er_crc_good_eof         0                   Crc error with good eof
er_inv_arb              0                   Invalid ARB
er_single_credit_loss   0                   Single vcrdy/frame loss
on link
er_multi_credit_loss    0                   Multiple vcrdy/frame
loss on link
other_credit_loss       0                   Link timeout/complete
credit loss
phy_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
phy_port stats clear
lgc_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
lgc_port stats clear
fec_corrected_rate      0                   FEC Corrected blocks per
second

portstats64show 45
stat64_wtx      0           top_int : 4-byte words transmitted
                0           bottom_int : 4-byte words transmitted
stat64_wrx      0           top_int : 4-byte words received
                0           bottom_int : 4-byte words received
stat64_ftx      0           top_int : Frames transmitted
                0           bottom_int : Frames transmitted
stat64_frx      0           top_int : Frames received
                0           bottom_int : Frames received
stat64_c2_frx   0           top_int : Class 2 frames received
                0           bottom_int : Class 2 frames received
stat64_c3_frx   0           top_int : Class 3 frames received
                0           bottom_int : Class 3 frames received
stat64_lc_rx    0           top_int : Link control frames received
                0           bottom_int : Link control frames
received
stat64_mc_rx    0           top_int : Multicast frames received
                0           bottom_int : Multicast frames received
stat64_mc_to    0           top_int : Multicast timeouts
                0           bottom_int : Multicast timeouts
stat64_mc_tx    0           top_int : Multicast frames transmitted
                0           bottom_int : Multicast frames
transmitted
tim64_rdy_pri   0           top_int : Time R_RDY high priority
                0           bottom_int : Time R_RDY high priority
tim64_txcrd_z   0           top_int : Time BB_credit zero
                0           bottom_int : Time BB_credit zero
er64_enc_in     0           top_int : Encoding errors inside of
frames
                0           bottom_int : Encoding errors inside of
frames
er64_crc        0           top_int : Frames with CRC errors
                0           bottom_int : Frames with CRC errors
er64_trunc      0           top_int : Frames shorter than minimum
                0           bottom_int : Frames shorter than minimum
er64_toolong    0           top_int : Frames longer than maximum
                0           bottom_int : Frames longer than maximum
er64_bad_eof    0           top_int : Frames with bad end-of-frame
                0           bottom_int : Frames with bad end-of-
```

```
frame
er64_enc_out    0           top_int : Encoding error outside of
frames
                0           bottom_int : Encoding error outside of
frames
er64_disc_c3    0           top_int : Class 3 frames discarded
                0           bottom_int : Class 3 frames discarded
er64_pcs_blk    0           top_int : PCS block errors
                0           bottom_int : PCS block errors
stat64_rateTxFrame      0           Tx frame rate (fr/sec)
stat64_rateRxFrame      0           Rx frame rate (fr/sec)
stat64_rateTxPeakFrame  0           Tx peak frame rate (fr/sec)
stat64_rateRxPeakFrame  0           Rx peak frame rate (fr/sec)
stat64_rateTxWord       0           Tx Word rate (words/sec)
stat64_rateRxWord       0           Rx Word rate (words/sec)
stat64_rateTxPeakWord   0           Tx peak Word rate (words/sec)
stat64_rateRxPeakWord   0           Rx peak Word rate (words/sec)
stat64_PRJTFrames       0           top_int : Number of PRJT frames
returned to this port
                        0           bottom_int : Number of PRJT
frames returned to this port
stat64_PBSYFrames       0           top_int : Number of PBSY frames
returned to this port
                        0           bottom_int : Number of PBSY
frames returned to this port
stat64_inputBuffersFull 0           top_int : Number of occurrences
when all input buffers full
                        0           bottom_int : Number of
occurrences when all input buffers full
stat64_rxClass1Frames   0           top_int : Number of class 1
frames received
                        0           bottom_int : Number of class 1
frames received
stat64_aveTxFrameSize   0           Average Tx Frame size
stat64_aveRxFrameSize   0           Average Rx Frame size
Lr_in           0           top_int
                0           bottom_int
Ols_in          0           top_int
                0           bottom_int
Lr_out          0           top_int
                0           bottom_int
Ols_out         0           top_int
                0           bottom_int
Link_failure    0           top_int
                0           bottom_int
Invalid_CRC     0           top_int
                0           bottom_int
Invalid_word    0           top_int
                0           bottom_int
Protocol_err    0           top_int
                0           bottom_int
Loss_of_sig     0           top_int
                0           bottom_int
Loss_of_sync    0           top_int
```

```
                0           bottom_int
er_bad_os       0           top_int : Invalid ordered set
                0           bottom_int: Invalid ordered set


portrouteshow 45
port address ID: 0x012d00
external unicast routing table:
   0: Embedded
 255: Embedded
internal unicast routing table:
   0: Embedded

portcamshow 45
-------------------------------------------------
Port  SID used  DID used  SID entries  DID entries
45     0         0         000000       000000
-------------------------------------------------

ptbufshow, ptcreditshow, ptdatashow, ptstatsshow 45
S:
S:VF Enable:            1
S:
S:C4 Global Variable:
S:-------------------------------------------------------------------
---------
S:trace_stop:           0
S:
S:C4 Phy Data Pointers: c4_phyp = 0xb6add140
S:-------------------------------------------------------------------
---------
S:tnodep                        0xbb8422a0      pt
        0x43028014
S:proto_phyp            0xb8809d80      phy_cfg
0xb6ade180
S:c4_chp                        0x97e28000      c4_lgcp
0x97f98000
S:c4_phy_regp           0x81ca0000      proc_dir
0xb851aa00
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4345678      num_port_timer          12
S:prev_if_id            0x43020014      S:ftx                   0
        tov                     0
S:initialized           1               port_idx                20
S:ui_idx                        45              slot_no
        0
S:blade_idx             20              sw_usr_ports            400
S:unused                        0               intr_debounced
        0
S:aec_status            0x0             reason_code
        0
S:debug                 0x00000004      debug_trc_line          0
S:rxbuf_list_head       0xffffffff      rxbuf_list_tail
```

```
0xffffffff
S:isAePort                      0               port_misc_data
                0
S:num_fault1_rx_disc    0               num_fault2_rx_disc      0
S:p_lli_cause0          0               p_sig_regained          0
S:p_sync_regained               0               enc_out
        0x0
S:cached_fps_status     0               cached_sts_status       0
S:cached_er_crc_good_eof        0
S:cached_er_bad_os      0               cached_er_too_long      0
S:cached_er_trunc       0
cached_tot_er_crc_good_eof      0
S:num_pt_excess_intr    0               num_no_fid              0
S:num_fault1_cnt                0               num_fault2_cnt
        0
S:num_fault_lip         0               num_fault_lli           0
S:num_fault_rx_fifo     0               num_fault_hss           0
S:num_fault_bwait               0               lli_intr_prim
        0
S:num_sw_link_to                0
be_link_err_mon_count           0
S:ecb_enc_enabled               0               ecb_comp_enabled
                0
S:ecb_rsv_enc           0               ecb_rsv_comp            0
S:ecb_enc_bm            0x0             ecb_key_index
0xffffffff
S:fab_idx               0
S:num_be_lto            0               lto_count_reset_intvl
        0
S:lr_count_reset_intvl          0               num_be_lr
        0
S:num_fault_qsfp                0               check_lto
        0
S:credit_loaded         0               num_credit_overrun
        0
S:fec_enabled           0x0             fec_los_to_flag         0x0
S:phy_stats_clear_ts            1725611419      pcs_err_online
        0
S:pcs_err_light_det             0               pcs_err_ignore
        0
S:pcs_blk_err           0               pcs_hiber               0
S:phy_port_status               0               ecb_enc_lr_count
                0
S:dport_mode            0               avoid_lto_det           0
S:sn_debounced          0x0             sn_started_kr_reqd      0
S:major_timer_started   0x0             ready_bm                0x0
S:parln_1_bm            0x0             parln_0_bm              0x0
S:be_los_of_sync_event_intvl            0
be_los_of_sync_event            0
S:erratePtenable_cntr           0               errataPoll_cntr
        0
S:jda_rx_sig_loss_det           0               jda_rx_sig_loss_cnt
                0
S:encrypt_blk_error             0
```

```
S:
S:      c4_trunk
S:=====================================
S:mark_ts               0x0             deskew                  0x0
S:master_phyp           0x0
S:
S:adelay[00]: 0x00000000 0x00000000 0x00000000 0x00000000
S:adelay[04]: 0x00000000 0x00000000 0x00000000 0x00000000
S:
S:      c4_buf
S:=====================================
S:tx_csc                        0               rx_csc
        0
S:ld_vc_credits         0               tx_flag                 0x0
S:alloc_buffers         0               req_buffers             0
S:est_buffers           20              ld_use_est              0
S:bb_sc_n                       0               rx_bb_sc_n
        0
S:data_cr                       5               nondata_cr
        6
S:cr_enable             0
S:ld_nondata_cr         6               tnodep
0xbb842380
S:tx_credits[0] 0    0    0    0    0    0    0    0
S:tx_credits[8] 0    0    0    0    0    0    0    0
S:tx_credits[16]        0    0    0    0    0    0    0    0
S:tx_credits[24]        0    0    0    0    0    0    0    0
S:tx_credits[32]        0    0    0    0    0    0    0    0
S:rx_credits[0] 0    0    0    0    0    0    0    0
S:rx_credits[8] 0    0    0    0    0    0    0    0
S:rx_credits[16]        0    0    0    0    0    0    0    0
S:rx_credits[24]        0    0    0    0    0    0    0    0
S:rx_credits[32]        0    0    0    0    0    0    0    0
S:tx_mbc[0]     0    0    0    0    0    0    0    0
S:tx_mbc[8]     0    0    0    0    0    0    0    0
S:tx_mbc[16]    0    0    0    0    0    0    0    0
S:tx_mbc[24]    0    0    0    0    0    0    0    0
S:tx_mbc[32]    0    0    0    0    0    0    0    0
S:rx_mbc[0]     0    0    0    0    0    0    0    0
S:rx_mbc[8]     0    0    0    0    0    0    0    0
S:rx_mbc[16]    0    0    0    0    0    0    0    0
S:rx_mbc[24]    0    0    0    0    0    0    0    0
S:rx_mbc[32]    0    0    0    0    0    0    0    0
S:
S:C4 Chip Variables: c4_phyp->c4_chp = 0x97e28000
S:-------------------------------------------------------------------
---------
S:version = 2.1
S:magic_id              0xc4234567      init_state              0x8
S:reset_reg_mem         0x1
S:ch_int0_en_bm         0x0             intr0_cause             0x0
S:ch_int1_en_bm         0x0             intr1_cause             0x0
S:ch_int2_en_bm         0x0             intr2_cause             0x0
S:ch                    0x43010080      ch_cfg
```

```
0xb7013ba0
S:raslog_hndl.hndl      0x0             obj_halted              0x0
S:c4_chip_regp          0x80000000      c4_fpg_regp
0x81800000
S:num_chip_timer        0x5
S:hi_task_bm            0x0             lo_task_bm              0x0
S:c4_deferq.q_head      0x0             c4_deferq.q_tail        0x0
S:c4_tmrq.q_head        0x0             c4_tmrq.q_tail          0x0
slot_no                 0
S:chip_inst             0               chip_idx                0
S:pll_initialized               1
pll_serdes_initialized  1
S:init_tries            0               init_ptEnableBM
0xba01b488
S:tick_polling          0xb980c9c0      sec_polling
0xb980c960
S:bb_fid                        129
S:ecb_key_bm[0]         0x0             ecb_key_bm[1]           0x0
S:ecb_key_bm[2]         0x0             ecb_key_bm[3]           0x0
S:is_chip_enc_enabled                   0
is_chip_comp_enabled    0x0
S:ftb_rsrcp->ftb_flags  0x0             act_rsrcp->act_flag     0x1
S:lue_rsrcp->lue_flags[0]       0x0             lue_rsrcp-
>lue_flags[1]   0x0
S:c4_phyp[00]: 0xb6ab0000 0xb6ab2080 0xb6ab4100 0xb6ab6180
S:c4_phyp[04]: 0xb6ab9040 0xb6abb0c0 0xb6abd140 0xb6ac0000
S:c4_phyp[08]: 0xb6ac2080 0xb6ac4100 0xb6ac6180 0xb6ac9040
S:c4_phyp[12]: 0xb6acb0c0 0xb6acd140 0xb6ad0000 0xb6ad2080
S:c4_phyp[16]: 0xb6ad4100 0xb6ad6180 0xb6ad9040 0xb6adb0c0
S:c4_phyp[20]: 0xb6add140 0xb6ae0000 0xb6ae2080 0xb6ae4100
S:c4_phyp[24]: 0xb6ae6180 0xb6ae9040 0xb6aeb0c0 0xb6aed140
S:c4_phyp[28]: 0xb6af0000 0xb6af2080 0xb6af4100 0xb6af6180
S:c4_phyp[32]: 0xb6af9040 0xb6afb0c0 0xb6afd140 0xb6b00000
S:c4_phyp[36]: 0xb6b02080 0xb6b04100 0xb6b06180 0xb6b09040
S:c4_phyp[40]: 0xb6b0b0c0 0xb6b0d140 0xb6b10000 0xb6b12080
S:c4_phyp[44]: 0xb6b14100 0xb6b16180 0xb6b19040 0xb6b1b0c0
S:c4_phyp[48]: 0xb6b1d140 0xb6b20000 0xb6b22080 0xb6b24100
S:c4_phyp[52]: 0xb6b26180 0xb6b29040 0xb6b2b0c0 0xb6b2d140
S:c4_phyp[56]: 0xb6b30000 0xb6b32080 0xb6b34100 0xb6b36180
S:c4_phyp[60]: 0xb6b39040 0xb6b3b0c0 0xb6b3d140 0xb6b40000
S:c4_lgcp[00]: 0x97f48000 0x97f4c000 0x97f50000 0x97f54000
S:c4_lgcp[04]: 0x97f58000 0x97f5c000 0x97f60000 0x97f64000
S:c4_lgcp[08]: 0x97f68000 0x97f6c000 0x97f70000 0x97f74000
S:c4_lgcp[12]: 0x97f78000 0x97f7c000 0x97f80000 0x97f84000
S:c4_lgcp[16]: 0x97f88000 0x97f8c000 0x97f90000 0x97f94000
S:c4_lgcp[20]: 0x97f98000 0x97f9c000 0x97fa0000 0x97fa4000
S:c4_lgcp[24]: 0x97fa8000 0x97fac000 0x97fb0000 0x97fb4000
S:c4_lgcp[28]: 0x97fb8000 0x97fbc000 0x97fc0000 0x97fc4000
S:c4_lgcp[32]: 0x97fc8000 0x97fcc000 0x97fd0000 0x97fd4000
S:c4_lgcp[36]: 0x97fd8000 0x97fdc000 0x97fe0000 0x97fe4000
S:c4_lgcp[40]: 0x97fe8000 0x97fec000 0x97ff0000 0x97ff4000
S:c4_lgcp[44]: 0x97ff8000 0x97ffc000 0x8e000000 0x8e004000
S:c4_lgcp[48]: 0x8e008000 0x8e00c000 0x8e010000 0x8e014000
S:c4_lgcp[52]: 0x8e018000 0x8e01c000 0x8e020000 0x8e024000
```

```
S:c4_lgcp[56]: 0x8e028000 0x8e02c000 0x8e030000 0x8e034000
S:c4_lgcp[60]: 0x8e038000 0x8e03c000 0x8e040000 0x8e044000
S:chip_timers[00]: 0xb980c720 0xb980c780 0xb980c7e0 0xb980c840
S:chip_timers[04]: 0xb980c8a0 0xb980c900
S:disc_trap_enable_required     0x0             rxlp_disc_log_stop
        0x0
S:curr_rxlp_frm_cnt     0x0             curr_rxlp_disc_frm_cnt  0x0
S:sw_disc_frm_cnt       0x0             last_disc_frm_cnt       0x0
S:txq_nopop_pr_cnt      0x0             pollErrataDfe_ptBM
0xba01b4b0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][0]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][1]  0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][2]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][0] 0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][1]       0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][2] 0x0
S:
S:C4 Logical Port Variables
S:-------------------------------------------------------------------
---------
S:c4_lgc_regp           0x81ca0000
S:c4_phyp:
S:      0xb6add140      0x0             0x0             0x0

S:      0x0             0x0             0x0             0x0

S:master_phyp           0xb6add140      if_id
0x43020014
S:min_phyp              0x0             max_phyp                0x0
S:num_phy_ports         1               lgc_num                 20
S:num_iu_to             0               sw_txq_bm
        0
S:port_fid              128             unused                  0
S:port_group            2               lgc_stats_clear_ts
                1725611419
S:domain_tbl_sel                0               area_tbl_sel
        0
S:egid_tbl_sel          0
S:serv_lo_bm            0x0
S:
S:Proto Phy Variables:
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4123456      asic_phyp
0xb6add140
S:port_id                       0x43028014      phy_cfg
        0xb6ade180
S:upsm_hdl              0xb8016140      physm_hdl
0xb8015e60
S:ov_snsm_hdl           0xb8015d20      sw_snsm_hdl
0xb8015dc0
S:ov_lksm_hdl           0xb8015f00      sw_lksm_hdl
0xb8016000
S:trksm_hdl             0xb80160a0      lr_flag         0x0
```

```
S:lr_active             0x0             qsfp_txrx_rate_sel
        0x0
S:
S:UPSM      UP00: UPST_PORT_DISABLED    --> UP01:
UPST_START_PORT_INIT
S:SNSM(OV)  SN00: OV_SNST_STOPPED       --> SN00: OV_SNST_STOPPED
S:SNSM(SW)  SW00: SW_SNST_STAGE_WS      --> SW00: SW_SNST_STAGE_WS
S:PHYSM     UNKNOWN     --> PP03: PHYST_NO_SIGNAL
S:LKSM(OV)  LK00: OV_LKST_INACTIVE      --> LK00: OV_LKST_INACTIVE
S:LKSM(SW)  SW13: INACTIVE              --> SW13: INACTIVE
S:TRKSM     TRK0: TRKST_INIT            --> TRK0: TRKST_INIT
S:
S:physm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8809d80      physm_hdl
0xb8015e60
S:force_offline         0               copper                  0
S:fault_reason          0: UNKNOWN
S:phy_media_present             1
S:
S:snsm variables:
S:-------------------------------------------------------------------
---------
S:speed                 0xff            proto_phyp
0xb8809d80
S:hw_sn_tries_left      0x0             sw_sn_tries_left        0x0
S:curr_txsp_count               0x0
S:tx_max                        0x0             curr_tx_indx
        0x0
S:curr_tx                       0x0             curr_rxsp_count
        0x0
S:rx_max                        0x0             curr_rx_indx
        0x0
S:curr_rx                       0x0             rx_mem
        0x0
S:rxsp_rec_count                0x0
S:nc_start              0x0             tx_start                0x0
S:sync_start            0x0             sync_present            0x0
S:diag_auto             0x0             diag_speed              0xff
S:striped_wd_tov                3000            hw_wd_tov
        3000
S:step                  0x0             qsfp28_speed_mode
        0x0
S:qsfp_mode0_hw_sn_tries_left           0x0
S:qsfp_mode1_hw_sn_tries_left           0x0
S:
S:lksm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8809d80      ov_lksm_hdl
0xb8015f00
sw_lksm_hdl             0xb8016000
num_lf1                 0
```

```
S:hw_link_tries_left    0               sw_link_tries_left      0
S:buf_ptype             0x0             stored_entry_state      0x6
S:handshake_owner               0x0             mark_unsent
        0x0
S:busybuf_stuck         0x0             lr_wait                 0x0
S:
S:trksm variables:
S:-------------------------------------------------------------------
---------
S:Not a trunk port
S:
S:upsm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8809d80      upsm_hdl
0xb8016140
S:bb_credits            0               port_beacon             0
S:port_diag_flag                0               force_offline
        0
S:port_fault_rsn                0: PORT_NO_FAULT
S:retry_init_rsn                0: UNKNOWN
S:linit_reason          0               linit_result            0
S:ie_fctl_mode          0               fec_in_sync_tries_left  0
S:retry_sn_fail_init    0
retry_link_fail_init    0
S:excess_lr_count       0
S:
S:c4_ch_cfg
S:-------------------------------------------------------------------
---------
S:c4_desc_ring_size     256      292      256      256      292
292      2        292      292
S:thresh_def            0        16       1        0
S:intr_tries            500             cmem_pattern
0xdeadbeef
S:cmem_pattern_upwd     2               cmem_init_time          16
S:cmem_init_tries               5
S:ctrl_par_thresh               2               data_par_thresh
        4
S:cam_par_thresh                4               buf_loss_thresh
        12
S:crit_par_thresh               2               non_crit_par_thresh
        6
S:pci_abort_thresh      10              pci_err_thresh          5
S:excess_chintr_thresh  8               sw_err_thresh           20
S:err_sample_period     300             intr_sleep
20000
S:frame_timeout 2500            proxy_dev               16384
S:vf_route      81920           qos             2048
S:stats 2048            f_redirect              2048
S:rsp_trap      2048            lun_zoning              20480
S:area_mode     0               ftb_max_loop[0]         0
S:ftb_max_loop[1]       6               ftb_max_loop[2]         9
S:ftb_max_loop[3]       10              ftb_max_loop[4]         10
```

```
S:ftb_max_loop[5]       5               ftb_max_loop[6]         6
S:ftb_seg_size[0]       0               ftb_seg_size[1]
16384
S:ftb_seg_size[2]       65536           ftb_seg_size[3]
16384
S:ftb_seg_size[4]       16384           ftb_seg_size[5]
65536
S:ftb_seg_size[6]       16384           ftb_seg_base[0]         0
S:ftb_seg_base[1]       0               ftb_seg_base[2]
65536
S:ftb_seg_base[3]       16384           ftb_seg_base[4]
32768
S:ftb_seg_base[5]       131072          ftb_seg_base[6]
49152
asic_err_monitor_period1                300
asic_err_monitor_period2                86400
zone_chk_to_poll_period 25
zone_chk_class2_reject_tov              220
S:
S:c4_phy_cfg
S:-------------------------------------------------------------------
---------
S:version = 2.1
S:pt                    0x43028014      fab_ptr
0x9a800000
S:fabattr                       0x9a8000d4      fab_iop
        0x9a800050
S:cfgbm                 0xbb8420e4      port_ctrl
0xb6ade198
S:pcap.pcap_bm          0x8d215547      pcap.pcap2_bm
0x588289
S:pcap.pcap3_bm         0x1bea60c
ui_idx                  45              S:slot_no
        0
is_icl                  0               S:sw_usr_ports          400
S:neg_speed             0 0 0 0 0 0
S:my_domain             0x1             port_mode               0x0
S:hw_sn_maxtries                100             sw_sn_maxtries
        0
S:hw_link_maxtries      10              sw_link_maxtries        5
S:rx_cyc_tov            28              rttov                   300
S:bufrdy_tov            300             busybuf_tov             286
S:mark_tov              300             lksm_tov                3000
S:buf_dealloc_wait      4               hw_wd_tov               3000
S:hw_lk_train_tov               540             hw_lk_test_tov
        150
S:syswait_tx_12_lips    1               lip_rx_tov              55
S:al_time_tov           15              lp_tov                  2000
S:intr_tries_port               500             intr_mod_debounce
        250
S:intr_lsr_flt_debounce 500             intr_efifo_debounce     100
S:port_no_fid           3               excess_ptintr_thresh    8
S:port_fault1_thresh    100             port_fault1_spur_thresh 250
S:port_fault1_disc_thresh       500
```

```
port_fault1_disc_spur_thresh    1000
S:port_fault2_thresh    5               losync_tov              100
S:port_sw_link_to               15              en_8g_scramble
        1
frc_hw_sn_mode          0x1
S:enc_poll_thresh               0               fec_enable
        0
S:fec_in_sync_to                50              fec_in_sync_try_max
        4
S:port_be_lto_threshold         100             port_be_lr_threshold
                2
S:be_cr_in_sync_to              5
port_credit_overrun_thresh              10
S:jda_sfp_losig_tov             400
jda_sfp_losig_try_max           30
S:striped_wd_tov                3000
no_sync_debounce                1200
S:
S:      fab_iop
S:======================================
S:fab_iop->interop_mode 0x0             fab_iop->lab_mode       0x0
S:fab_iop->fl_bbc               0x0             fab_iop->fl_fan
        0x0
S:fab_iop->fl_cls               0x4             fab_iop->fl_rscn
        0x0
S:fab_iop->domain_id_offset     0x60            fab_iop-
>mcdt_fabric_mode       0x0
S:fab_iop->mcdt_default_zone            0x0             fab_iop-
>mcdt_safe_zone         0x0
S:
S:      port_ctrl
S:======================================
S:port_ctrl.port_type   1               port_ctrl.port_grp      2
S:port_ctrl.port_number 45              port_ctrl.vc_mode       1
S:
S:      port_ctrl.lcap
S:======================================
S:has_serdes            0               has_media               1
S:topology              1               skip_nego               0
S:skip_pnego            0               skip_init_event         0
S:en_shim                       0               speed_neg
        1
S:loop_back             0               num_speeds              5
S:fec_enable            0
S:
S:      port_ctrl.speed_list array
S:======================================
S:speed_list[0].auto_neg  1     speed_list[0].lnk_speed  0x0000000a
S:speed_list[1].auto_neg  1     speed_list[1].lnk_speed  0x00000008
S:speed_list[2].auto_neg  0     speed_list[2].lnk_speed  0x00000006
S:speed_list[3].auto_neg  1     speed_list[3].lnk_speed  0x00000005
S:speed_list[4].auto_neg  0     speed_list[4].lnk_speed  0x00000003
S:speed_list[5].auto_neg  0     speed_list[5].lnk_speed  0x00000000
S:
```

```
S:      port_ctrl.cm
S:=====================================
S:port_ctrl.cm.num_vcs          8
S:port_ctrl.cm.min_bufs         8
S:port_ctrl.cm.cr_shar_bufs     0
S:port_ctrl.vc_alloc
S:port_ctrl.vc_alloc            2 0 1 1 1 1 1 1
S:port_ctrl.vc_alloc            0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.norm_vc_alloc
S:port_ctrl.norm_vc_alloc       4 0 5 5 5 5 1 1
S:port_ctrl.norm_vc_alloc       0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.cm.skip_bb_credit           0
S:port_ctrl.cm.use_shim_based_sublist           0
S:
S:      port_ctrl.serdes_set
S:=====================================
S:serdes_type           0x8
S:serdes_data_t.ibm_hss_serdes.tx_drive_power           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b_sign      0x1
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_a           0x0
S:serdes_data_t.ibm_hss_serdes.rxeq                     0x0
S:
S:      cfgbm
S:=====================================
S:old_distance          0x0             gport_lockdown          0x0
S:tport                 0x1             speed                   0x0
S:disable_eport         0x0             fcacc                   0x0
S:lport_lockdown                0x0             priv_lport_lockdown
        0x0
S:vcxlt_linit           0x0             delay_flogi             0x0
S:isl_interop           0x0             distance                0x0
S:BufStarvFlag          0x0             credit_sharing          0x0
S:lport_halfduplex      0x0             lport_fairness          0x0
S:soft_neg              0x0             asn_frc_hwretry         0x0
S:cr_recov              0x0             fport_buffers           0x0
S:export                        0x0             export_mode
        0x0
S:csctl_en              0x0             mirror_port             0x0
S:fault_delay           0x0             non_dfe                 0x0
S:fec_configured*(0=ENAB)       0               fec_tts
        0
S:port_persistently_disabled (permanently) 0 (0)
S:
S:      cfg property
S:=====================================
S:priv_pcfg_bm          0x00000000      lgcl_pcfg_bm
0xbb842124
S:fport_buffer          0x00000000
S:
S:
S:C4 Discard Cntrs: rxlp_stats = 0xb6add4f0
```

```
S:-------------------------------------------------------------------
---------
S:disc_mcast_wka        0x0             disc_inv_did            0x0
S:disc_cl1_cl4          0x0             disc_sid_chk_fail       0x0
S:disc_inv_dom_egid_txpt        0x0             disc_vft_hop_cnt_1
        0x0
S:disc_classf           0x0             disc_fcp_cdb_inv        0x0
S:disc_vfid_trap_enabled        0x0
disc_vfid_hdr_chk_fail  0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_ftb_vm_mode      0x0             disc_ftb_agn_t2_miss    0x0
S:disc_ecb_de_pad_err   0x0             disc_ecb_de_tag_err     0x0
S:disc_ecb_de_seq_err   0x0             disc_ecb_err            0x0
S:disc_ftb_type4_match  0x0             disc_fcp_rsp_ftb_type4  0x0
S:disc_fcp_rsp_ftb_type4        0x0             disc_ftb_type5_match
        0x0
S:disc_ftb_type3_match  0x0             disc_els_ftb_type3      0x0
S:disc_ftb_type1_match  0x0             disc_els_rsp_ex_port    0x0
S:disc_inv_drp_dps      0x0             disc_did_lookup_miss    0x0
S:disc_ftb_type2_match  0x0             disc_trpd_plogi_pdisc   0x0
S:disc_type2_lookup_miss        0x0             disc_ftb_type6_match
        0x0
S:disc_els_rep_ex_port  0x0             disc_els_sid_lkup_bit1  0x0
S:disc_els_sid_lkup_bit0        0x0
disc_bls_frm_trap_bit1  0x0
S:disc_ftb_token_err    0x0             disc_asic_internal_err  0x0
S:disc_hard_zone_miss   0x0             disc_lun_zone_miss      0x0
S:disc_flt_frame_disc   0x0             disc_flt_parity_err     0x0
S:disc_frame_marked_du  0x0             disc_frame_marked_to    0x0
E:Connection type: FE
E:Port type: F_port
E:Trunk port: No
E:Configured Speed: AUTO_SPEED_NEGO
E:Max Capable Speed: 32G
E:Current SNSM Speed: UNDEFINED
E:Hardware TX Speed: 32G (0x00000004)
E:Hardware RX Speed: 32G (0x00000040)
E:
E:Interrupts:   0           Link_failure:       0
Loss_of_sync:   0           Loss_of_sig:        0
E:Lli:          0           Invalid_word:       0
E:trapped_frm:  0           fwd_status_ok:      0
E:fwd_timeout:  0           fwd_tx_unavail:     0
E:fwd_unroutable:       0           fwd_zone_out:       0
E:fwd_other_err:        0           frm_err_discard:    0
E:Fltr listA:   0           Fltr listB:         0
E:Zone trap fwd:        0           Zone trap disc:     0
E:shim_csum:    0           RTE_perr:           0
E:Invalid_crc:  0           Delim_err:          0
E:Protocol_err: 0
E:Lr_in:        0           Lr_out:             0
E:Ols_in:       0           Ols_out:            0
```

```
filterportshow 45

                FILTER DATA
                -----------
Shadow settings:
   Filter Enable: 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass: 0x00000000
Real settings:
   Enable RAM: 0x00000000, 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
```

```
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass RAM: 0x00000000

Shadowed filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        c4_fldenable[0] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[0] = 0x00000000,c4_fltr_config[0] = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        c4_fldenable[1] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[1] = 0x00000000,c4_fltr_config[1] = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        c4_fldenable[2] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[2] = 0x00000000,c4_fltr_config[2] = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        c4_fldenable[3] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[3] = 0x00000000,c4_fltr_config[3] = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        c4_fldenable[4] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[4] = 0x00000000,c4_fltr_config[4] = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        c4_fldenable[5] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[5] = 0x00000000,c4_fltr_config[5] = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        c4_fldenable[6] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[6] = 0x00000000,c4_fltr_config[6] = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        c4_fldenable[7] = 0x00000000 0x00000000 0x00000000
```

```
0x00000000
        c4_fldnegate[7] = 0x00000000,c4_fltr_config[7] = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        c4_fldenable[8] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[8] = 0x00000000,c4_fltr_config[8] = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        c4_fldenable[9] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[9] = 0x00000000,c4_fltr_config[9] = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        c4_fldenable[10] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[10] = 0x00000000,c4_fltr_config[10] =
0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        c4_fldenable[11] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[11] = 0x00000000,c4_fltr_config[11] =
0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        c4_fldenable[12] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[12] = 0x00000000,c4_fltr_config[12] =
0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        c4_fldenable[13] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[13] = 0x00000000,c4_fltr_config[13] =
0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        c4_fldenable[14] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[14] = 0x00000000,c4_fltr_config[14] =
0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        c4_fldenable[15] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[15] = 0x00000000,c4_fltr_config[15] =
0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        c4_fldenable[16] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[16] = 0x00000000,c4_fltr_config[16] =
0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        c4_fldenable[17] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[17] = 0x00000000,c4_fltr_config[17] =
0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        c4_fldenable[18] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[18] = 0x00000000,c4_fltr_config[18] =
```

```
0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        c4_fldenable[19] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[19] = 0x00000000,c4_fltr_config[19] =
0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        c4_fldenable[20] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[20] = 0x00000000,c4_fltr_config[20] =
0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        c4_fldenable[21] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[21] = 0x00000000,c4_fltr_config[21] =
0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        c4_fldenable[22] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[22] = 0x00000000,c4_fltr_config[22] =
0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        c4_fldenable[23] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[23] = 0x00000000,c4_fltr_config[23] =
0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        c4_fldenable[24] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[24] = 0x00000000,c4_fltr_config[24] =
0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        c4_fldenable[25] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[25] = 0x00000000,c4_fltr_config[25] =
0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        c4_fldenable[26] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[26] = 0x00000000,c4_fltr_config[26] =
0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        c4_fldenable[27] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[27] = 0x00000000,c4_fltr_config[27] =
0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        c4_fldenable[28] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[28] = 0x00000000,c4_fltr_config[28] =
0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        c4_fldenable[29] = 0x00000000 0x00000000 0x00000000
0x00000000
```

```
        c4_fldnegate[29] = 0x00000000,c4_fltr_config[29] =
0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        c4_fldenable[30] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[30] = 0x00000000,c4_fltr_config[30] =
0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        c4_fldenable[31] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[31] = 0x00000000,c4_fltr_config[31] =
0x00000000


Real filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
```

```
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
```

```
Filter 23: Not Installed (PERF8)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000

Filter dirty indicator: 0x00000000
Performance filters: 0
Port Mirror filters: 0 (0x0)


                FIELD DATA
                ----------

Shadowed fields:

fldoffset[0] = 0x00,fldmask[0] = 0x00,fldvalue_dyna[0]:0x00 0x00
0x00 0x00
fldcontrol[0].inuse = 0x0  fldcontrol[0].refcnt = 0x00 0x00 0x00
0x00
fldoffset[1] = 0x00,fldmask[1] = 0x00,fldvalue_dyna[1]:0x00 0x00
0x00 0x00
fldcontrol[1].inuse = 0x0  fldcontrol[1].refcnt = 0x00 0x00 0x00
```

0x00
fldoffset[2] = 0x00,fldmask[2] = 0x00,fldvalue_dyna[2]:0x00 0x00
0x00 0x00
fldcontrol[2].inuse = 0x0 fldcontrol[2].refcnt = 0x00 0x00 0x00
0x00
fldoffset[3] = 0x00,fldmask[3] = 0x00,fldvalue_dyna[3]:0x00 0x00
0x00 0x00
fldcontrol[3].inuse = 0x0 fldcontrol[3].refcnt = 0x00 0x00 0x00
0x00
fldoffset[4] = 0x00,fldmask[4] = 0x00,fldvalue_dyna[4]:0x00 0x00
0x00 0x00
fldcontrol[4].inuse = 0x0 fldcontrol[4].refcnt = 0x00 0x00 0x00
0x00
fldoffset[5] = 0x00,fldmask[5] = 0x00,fldvalue_dyna[5]:0x00 0x00
0x00 0x00
fldcontrol[5].inuse = 0x0 fldcontrol[5].refcnt = 0x00 0x00 0x00
0x00
fldoffset[6] = 0x00,fldmask[6] = 0x00,fldvalue_dyna[6]:0x00 0x00
0x00 0x00
fldcontrol[6].inuse = 0x0 fldcontrol[6].refcnt = 0x00 0x00 0x00
0x00
fldoffset[7] = 0x00,fldmask[7] = 0x00,fldvalue_dyna[7]:0x00 0x00
0x00 0x00
fldcontrol[7].inuse = 0x0 fldcontrol[7].refcnt = 0x00 0x00 0x00
0x00
fldoffset[8] = 0x00,fldmask[8] = 0x00,fldvalue_dyna[8]:0x00 0x00
0x00 0x00
fldcontrol[8].inuse = 0x0 fldcontrol[8].refcnt = 0x00 0x00 0x00
0x00
fldoffset[9] = 0x00,fldmask[9] = 0x00,fldvalue_dyna[9]:0x00 0x00
0x00 0x00
fldcontrol[9].inuse = 0x0 fldcontrol[9].refcnt = 0x00 0x00 0x00
0x00
fldoffset[10] = 0x00,fldmask[10] = 0x00,fldvalue_dyna[10]:0x00 0x00
0x00 0x00
fldcontrol[10].inuse = 0x0 fldcontrol[10].refcnt = 0x00 0x00 0x00
0x00
fldoffset[11] = 0x00,fldmask[11] = 0x00,fldvalue_dyna[11]:0x00 0x00
0x00 0x00
fldcontrol[11].inuse = 0x0 fldcontrol[11].refcnt = 0x00 0x00 0x00
0x00
fldoffset[12] = 0x00,fldmask[12] = 0x00,fldvalue_dyna[12]:0x00 0x00
0x00 0x00
fldcontrol[12].inuse = 0x0 fldcontrol[12].refcnt = 0x00 0x00 0x00
0x00
fldoffset[13] = 0x00,fldmask[13] = 0x00,fldvalue_dyna[13]:0x00 0x00
0x00 0x00
fldcontrol[13].inuse = 0x0 fldcontrol[13].refcnt = 0x00 0x00 0x00
0x00
fldoffset[14] = 0x00,fldmask[14] = 0x00,fldvalue_dyna[14]:0x00 0x00
0x00 0x00
fldcontrol[14].inuse = 0x0 fldcontrol[14].refcnt = 0x00 0x00 0x00
0x00
fldoffset[15] = 0x00,fldmask[15] = 0x00,fldvalue_dyna[15]:0x00 0x00

```
0x00 0x00
fldcontrol[15].inuse = 0x0  fldcontrol[15].refcnt = 0x00 0x00 0x00
0x00
fldoffset[16] = 0x00,fldmask[16] = 0x00,fldvalue_dyna[16]:0x00 0x00
0x00 0x00
fldcontrol[16].inuse = 0x0  fldcontrol[16].refcnt = 0x00 0x00 0x00
0x00
fldoffset[17] = 0x00,fldmask[17] = 0x00,fldvalue_dyna[17]:0x00 0x00
0x00 0x00
fldcontrol[17].inuse = 0x0  fldcontrol[17].refcnt = 0x00 0x00 0x00
0x00
fldoffset[18] = 0x00,fldmask[18] = 0x00,fldvalue_dyna[18]:0x00 0x00
0x00 0x00
fldcontrol[18].inuse = 0x0  fldcontrol[18].refcnt = 0x00 0x00 0x00
0x00
fldoffset[19] = 0x00,fldmask[19] = 0x00,fldvalue_dyna[19]:0x00 0x00
0x00 0x00
fldcontrol[19].inuse = 0x0  fldcontrol[19].refcnt = 0x00 0x00 0x00
0x00

Real fields:

fldoffset RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fldmask RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fld value4 RAM:
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
Field dirty indicator: 0x00000000

FDB reference count fdb: 0 [0 0 0 0 ]
FDB reference count fdb: 1 [0 0 0 0 ]
FDB reference count fdb: 2 [0 0 0 0 ]
FDB reference count fdb: 3 [0 0 0 0 ]
FDB reference count fdb: 4 [0 0 0 0 ]
```

```
FDB reference count fdb: 5 [0 0 0 0 ]
FDB reference count fdb: 6 [0 0 0 0 ]
FDB reference count fdb: 7 [0 0 0 0 ]
FDB reference count fdb: 8 [0 0 0 0 ]
FDB reference count fdb: 9 [0 0 0 0 ]
FDB reference count fdb: 10 [0 0 0 0 ]
FDB reference count fdb: 11 [0 0 0 0 ]
FDB reference count fdb: 12 [0 0 0 0 ]
FDB reference count fdb: 13 [0 0 0 0 ]
FDB reference count fdb: 14 [0 0 0 0 ]
FDB reference count fdb: 15 [0 0 0 0 ]
FDB reference count fdb: 16 [0 0 0 0 ]
FDB reference count fdb: 17 [0 0 0 0 ]
FDB reference count fdb: 18 [0 0 0 0 ]
FDB reference count fdb: 19 [0 0 0 0 ]

Filter counters:
   Filter counter 0: 0  (MIRROR1)
   Filter counter 1: 0  (MIRROR2)
   Filter counter 2: 0  (MIRROR3)
   Filter counter 3: 0  (MIRROR4)
   Filter counter 4: 0  (AEPORT_NON_MIRR_DROP)
   Filter counter 5: 0  (ZONING TRAP)
   Filter counter 6: 0  (FCR_EXPORT_DC)
   Filter counter 7: 0  (TIN TRAP)
   Filter counter 8: 0  (FICON CUP)
   Filter counter 9: 0  (FICON CUP DST)
   Filter counter 10: 0 (WELL KNOWN ADDR)
   Filter counter 11: 0 (SIM)
   Filter counter 12: 0 (UNUSED)
   Filter counter 13: 0 (UNUSED)
   Filter counter 14: 0 (UNUSED)
   Filter counter 15: 0 (UNUSED)
   Filter counter 16: 0 (PERF1)
   Filter counter 17: 0 (PERF2)
   Filter counter 18: 0 (PERF3)
   Filter counter 19: 0 (PERF4)
   Filter counter 20: 0 (PERF5)
   Filter counter 21: 0 (PERF6)
   Filter counter 22: 0 (PERF7)
   Filter counter 23: 0 (PERF8)
   Filter counter 24: 0 (PERF9)
   Filter counter 25: 0 (PERF10)
   Filter counter 26: 0 (PERF11)
   Filter counter 27: 0 (PERF12)
   Filter counter 28: 0 (OPM1)
   Filter counter 29: 0 (OPM2)
   Filter counter 30: 0 (IPM1)
   Filter counter 31: 0 (IPM2)

                ACL DATA
                --------
Logical port 20: Hard Zoning disabled, Soft Zoning disabled
Zone type: WWN Zoning
```

```
Frames with hard zone miss: 0

*** Please use filterportshow on user port 56 to display ACL hash
tables and Mirroring resources of thischip.
 ***We show this data only for the first physical port which is an
exernal port.

portFcPortCmdShow --slot 0 46 3
doing portFcPortCmdShow: arg1 = 3, arg2 = -2

portshow 46
portDisableReason: None
portCFlags: 0x1
portFlags: 0x1   PRESENT U_PORT
LocalSwcFlags: 0x0
portType:  26.0
POD Port: Port is licensed
portState: 2    Offline
Protocol: FC
portPhys:  4    No_Light        portScn:   2    Offline
port generation number:    0
state transition count:    1

portId:    012e00
portIfId:    43020013
portWwn:   20:2e:d8:1f:cc:2c:99:90
portWwn of device(s) connected:
16b Area list:
Distance:  normal
portSpeed: N32Gbps

FEC: Inactive
Credit Recovery: Inactive
LE domain: 0
Peer beacon: Off
FC Fastwrite: OFF
Interrupts:        0          Link_failure: 0          Frjt:
0
Unknown:           0          Loss_of_sync: 0          Fbsy:
0
Lli:               0          Loss_of_sig:  0
Proc_rqrd:         0          Protocol_err: 0
Timed_out:         0          Invalid_word: 0
Tx_unavail:        0          Invalid_crc:  0
Delim_err:         0          Address_err:  0
Lr_in:             0          Ols_in:       0
Lr_out:            0          Ols_out:      0


portloginshow 46
Type  PID     World Wide Name        credit df_sz cos
=====================================================
```

```
portloginshow 46 –history
 Type  PID      World Wide Name           logout time
==========================================================


portregshow 46

LED registers
=============
0x81c9a000: c4_led_status           00000000    0x81c9a004:
c4_led_ctl              00000000

FPL registers
=============
0x81c98200: fpl_port_config         23298002
0x81c9820c: fpl_port_id_ctl         00000000    0x81c98210:
fpl_port_id_addr        00012e00
0x81c98214: fpl_port_speed          00000004    0x81c9821c:
fpl_lli_ctl             00000100
0x81c98228: fpl_lli_os_ctl          bc94ffff    0x81c9822c:
fpl_lli_send_word       bc95b5b5
0x81c98230: fpl_lli_mark_rx         00000000    0x81c98234:
fpl_lli_rnd_trip_time   00000000
0x81c98238: fpl_lli_ns_status       00130007    0x81c9823c:
fpl_lli_intr_status     00030007
0x81c98244: fpl_lli_def             00100000    0x81c98254:
fpl_lli_intr_enable_clr 001c0000
0x81c98258: fpl_err_intr_status     00000000    0x81c98260:
fpl_err_intr_enable_clr 00000000
0x81c98268: fpl_err_first_error     00000000    0x81c9826c:
fpl_speed_neg_ctl       00000000
0x81c98270: fpl_speed_neg_stat      00000000    0x81c98274:
fpl_softasn_ctl         0000000f
0x81c98278: fpl_link_init_ctl       00000000    0x81c9827c:
fpl_link_init_stat      00000000
0x81c98280: fpl_aec_ctl             001c1060    0x81c98284:
fpl_aec_ctl2            04009f60
0x81c98288: fpl_pcs_ctl             00000170    0x81c9828c:
fpl_fec_ctl             00000424
0x81c98290: fpl_fec_cor             00000000    0x81c98294:
fpl_fec_uncor           00000000
0x81c98298: fpl_hss_link_ctl        0031f040    0x81c9829c:
fpl_afifo_link_ctl      00000a86
0x81c982a0: fpl_echo_lb_ctl         0000028c    0x81c982a4:
fpl_scratch             00000121
0x81c982a8: fpl_debug               00060005    0x81c982ac:
fpl_misc_debug          00000800
0x00000000: SW_shadow_reg           00000000    0x00000000:
SW_c4_phyp->cfgptr      00030003

per-fpg (per octet) registers
=============================
0x8181382c: fpg_serdes_ctla0        81a37be7    0x81813830:
fpg_serdes_ctla1        81a37be7
```

```
0x81813834: fpg_serdes_ctlb0        81a1c3c3    0x81813838:
fpg_serdes_ctlb1        81a1c3c3
0x8181383c: fpg_serdes_xgmii_1ms    00067c28    0x81813840:
fpg_serdes_regtimctl    40e47946
0x81813844: fpg_serdes_asnrsttimctl 00000102

HSS PLL registers
=============================
0x81811400: 00_hssplla_vco_coarse_cal0      00000000    0x81811404:
01_hssplla_vco_coarse_cal1      00000014
0x81811408: 02_hssplla_vco_coarse_cal2      00000000    0x8181140c:
03_hssplla_vco_coarse_cal3      00000000
0x81811410: 04_hssplla_vco_coarse_cal4      00000000    0x81811424:
09_hssplla_power_ctl            00000000
0x81811428: 0A_hssplla_charge_pump_ctl      00000004    0x81811438:
0E_hssplla_pll_misc_ctl         00000000
0x8181143c: 0F_hssplla_pclk_ctl             000000f8    0x81811440:
10_hssplla_eyem_intv_ctl        00000000
0x81811444: 11_hssplla_eyem_intv_lim1       00000000    0x81811448:
12_hssplla_eyem_intv_lim2       00000000
0x8181144c: 13_hssplla_eyem_intv_lim3       00000000    0x81811450:
14_hssplla_eyem_intv_lim4       00000000
0x818114f0: 3C_hssplla_macro_tst_ctl4       00000000    0x818114f4:
3D_hssplla_macro_tst_ctl3       00000000
0x818114f8: 3E_hssplla_macro_tst_ctl2       00000000    0x818114fc:
3F_hssplla_macro_tst_ctl1       00000000
0x81811500: 00_hssp1lb_vco_coarse_cal0      0000000a    0x81811504:
01_hssp1lb_vco_coarse_cal1      00000014
0x81811508: 02_hssp1lb_vco_coarse_cal2      00000000    0x8181150c:
03_hssp1lb_vco_coarse_cal3      00000000
0x81811510: 04_hssp1lb_vco_coarse_cal4      00000000    0x81811524:
09_hssp1lb_power_ctl            00000000
0x81811528: 0A_hssp1lb_charge_pump_ctl      00000004    0x81811538:
0E_hssp1lb_pll_misc_ctl         00000000
0x8181153c: 0F_hssp1lb_pclk_ctl             000000f8    0x81811540:
10_hssp1lb_eyem_intv_ctl        00000000
0x81811544: 11_hssp1lb_eyem_intv_lim1       00000000    0x81811548:
12_hssp1lb_eyem_intv_lim2       00000000
0x8181154c: 13_hssp1lb_eyem_intv_lim3       00000000    0x81811550:
14_hssp1lb_eyem_intv_lim4       00000000
0x818115f0: 3C_hssp1lb_macro_tst_ctl4       00000000    0x818115f4:
3D_hssp1lb_macro_tst_ctl3       00000000
0x818115f8: 3E_hssp1lb_macro_tst_ctl2       00000000    0x818115fc:
3F_hssp1lb_macro_tst_ctl1       00000000

HSS TX registers
================
0x81810500: 00_hsstx_cfg_mode_PHY           00009f48    0x81810504:
01_hsstx_test_ctl               00000000
0x81810508: 02_hsstx_coeff_ctl_INV          00000000    0x8181050c:
03_hsstx_drv_mode_ctl           00000000
0x81810510: 04_hsstx_drv_ovrd_ctl           00000010    0x81810514:
05_hsstx_dclk_align_ovrd        00000080
0x81810518: 06_hsstx_imp_cal_ovrd           00000c0c    0x8181051c:
```

```
07_hsstx_dclk_drift_tol         00000004
0x81810520: 08_hsstx_tap0_coeff_TUNE        00000000    0x81810524:
09_hsstx_tap1_coeff_TUNE        00000003
0x81810528: 0A_hsstx_tap2_coeff_TUNE        00000019    0x8181052c:
0B_hsstx_tap3_coeff_TUNE        00000003
0x81810534: 0D_hsstx_pol_INV                00000004    0x81810538:
0E_hsstx_ae_cmd                 00000000
0x8181053c: 0F_hsstx_ae_stat                00000000    0x81810540:
10_hsstx_ae_tap0_TUNE           00000000
0x81810544: 11_hsstx_ae_tap1_TUNE           00000000    0x81810548:
12_hsstx_ae_tap2_TUNE           00000028
0x8181054c: 13_hsstx_ae_tap3_TUNE           00000000    0x81810554:
15_hsstx_app_tune               0000120e
0x81810558: 16_hsstx_analog_diag            00000000    0x81810560:
18_hsstx_4x_seg_app             0000aa00
0x81810564: 19_hsstx_2x_seg_app             000000aa    0x81810568:
1A_hsstx_1x_seg_app             0000f5e4
0x8181056c: 1B_hsstx_seg_4x_term_app        0000000f    0x81810570:
1C_hsstx_seg_2x1x_term_app      00000001
0x81810574: 1D_hsstx_tap_sign_app           00000004    0x81810578:
1E_hsstx_ext_addr_data          00000001
0x8181057c: 1F_hsstx_ext_addr_addr          00000000    0x81810580:
20_hsstx_pat_buf_bytes_1_0      00000000
0x81810584: 21_hsstx_pat_buf_bytes_3_2      00000000    0x81810588:
22_hsstx_pat_buf_bytes_5_4      00000000
0x8181058c: 23_hsstx_pat_buf_bytes_7_6      00000000    0x8181059c:
27_hsstx_8023az_ctl             00000000
0x818105a0: 28_hsstx_dcc_ctl                000060c0    0x818105a4:
29_hsstx_dcc_ovrd               00001000
0x818105a8: 2A_hsstx_dcc_app                00000106    0x818105ac:
2B_hsstx_dcc_timeout            0000ffff
0x818105c0: 30_hsstx_tap_sign_ovrd          00000000    0x818105c8:
32_hsstx_seg_4x_ovrd            00000000
0x818105cc: 33_hsstx_seg_2x_ovrd            00000000    0x818105d0:
34_hsstx_seg_1x_ovrd            00000000
0x818105d8: 36_hsstx_tap_seg_4x_term_ovrd   00000000    0x818105dc:
37_hsstx_tap_seg_2x_term_ovrd   00000000
0x818105e0: 38_hsstx_tap_seg_1x_term_ovrd   00000000    0x818105ec:
3B_hsstx_mac_test_ctl5          00000000
0x818105f0: 3C_hsstx_mac_test_ctl4          00000000    0x818105f4:
3D_hsstx_mac_test_ctl3          00000000
0x818105f8: 3E_hsstx_mac_test_ctl2          00000000    0x818105fc:
3F_hsstx_mac_test_ctl1          000000c6

HSS RX registers
================
0x81810700: 00_hssrx_cfg_mode_PHY           00009e78    0x81810704:
01_hssrx_test_ctl               00000000
0x81810708: 02_hssrx_phs_rot_ctl            0000cb80    0x8181070c:
03_hssrx_phs_rot_ofs_ctl        00004610
0x81810710: 04_hssrx_phs_rot_posn1          00001110    0x81810714:
05_hssrx_phs_rot_posn2          0000003d
0x81810718: 06_hssrx_phs_rot_sta_ofs1       00000000    0x8181071c:
07_hssrx_phs_rot_sta_ofs2       0000001f
```

```
0x81810720: 08_hssrx_dfe_ctl_PHY           00002002    0x81810724:
09_hssrx_dfe_smpl_snap1         00000000
0x81810728: 0A_hssrx_dfe_smpl_snap2        00008000    0x8181072c:
0B_hssrx_vga_ctl1               000041fc
0x81810730: 0C_hssrx_vga_ctl2              00007aa0    0x81810734:
0D_hssrx_vga_ctl3               000009e4
0x81810738: 0E_hssrx_pwr_mgmnt_ctl         0000001f    0x8181073c:
0F_hssrx_iqamp_ctl1             0000001a
0x81810740: 10_hssrx_iqamp_ctl2            00000008    0x81810744:
11_hssrx_dacap_dacan_sel        00000003
0x81810748: 12_hssrx_dacap_dacan           0000ffff    0x8181074c:
13_hssrx_daca_min               00000000
0x81810750: 14_hssrx_adac_ctl              00000000    0x81810754:
15_hssrx_ac_cp_ctl              000031c3
0x81810758: 16_hssrx_ac_cp_val             00000051    0x8181075c:
17_hssrx_dfe_h1h2h3_lcl_off_ch  00000014
0x81810760: 18_hssrx_dfe_h1h2h3_lcl_off_val 00000000    0x81810764:
19_hssrx_peaked_intg            000000ff
0x81810768: 1A_hssrx_cdr_analog_sw         0000ce00    0x8181076c:
1B_hssrx_peaking_amp_init_c_PHY 00000000
0x81810770: 1C_hssrx_dac_dpc               00000040    0x81810774:
1D_hssrx_ddc                    00000000
0x81810778: 1E_hssrx_int_stat_PHY          00000c0f    0x8181077c:
1F_hssrx_dfe_func_ctl1_PHY      0000ffff
0x81810780: 20_hssrx_dfe_func_ctl2_INV     00007ebf    0x81810784:
21_hssrx_ofs_ch_dcc_qcc_idx     00002000
0x81810788: 22_hssrx_dfe_ofs_val           00007b7b    0x8181078c:
23_hssrx_h_coeff_bist           0000040e
0x81810790: 24_hssrx_ac_cap_bist           000000aa    0x81810794:
25_hssrx_max_gain_path_idx_res  00007800
0x81810798: 26_hssrx_loff_ctl              00000040    0x8181079c:
27_hssrx_sigdet_ctl             00004280
0x818107a0: 28_hssrx_ana_ctl_sw            00000000    0x818107a4:
29_hssrx_intg_dac_ofs           0000dee0
0x818107a8: 2A_hssrx_eye_ctl               00000000    0x818107ac:
2B_hssrx_eye_met                00000004
0x818107b0: 2C_hssrx_eye_met_err_cnt       00000000    0x818107b4:
2D_hssrx_eye_met_pdf_eyec       00000000
0x818107b8: 2E_hssrx_eye_met_pat_len       0000007f    0x818107bc:
2F_hssrx_dfe_func_ctl3          0000dfff
0x818107c0: 30_hssrx_dfe_tap_ctl_idx_ptr   00000008    0x818107c4:
31_hssrx_dfe_tap                00003030
0x818107c8: 32_hssrx_lte_ctl_TUNE          00001601    0x818107e4:
39_hssrx_int_stat2              0000c1ff
0x818107e8: 3A_hssrx_ac_cpl_cur_src_adj    00000042    0x818107ec:
3B_hssrx_dcd_ctl                00007c51
0x818107f0: 3C_hssrx_dcc_ctl               00000d41    0x818107f4:
3D_hssrx_qcc_ctl                00006941
0x818107f8: 3E_hssrx_mac_test_ctl2         00000000    0x818107fc:
3F_hssrx_mac_test_ctl1          00000000
0x81810748: 12_hssrx_dacap_dacan[02]                ffff ffff
0x81810760: 18_hssrx_dfe_h1h2h3_lcl_off_va[00]      0000 0000   0000
0000   0000 0000   0000 0000
0x81810760: 18_hssrx_dfe_h1h2h3_lcl_off_va[08]      0000 0000   0000
```

```
0000   0000 0000   0000 0000
0x81810760: 18_hssrx_dfe_h1h2h3_lcl_off_va[16]      0000 0000   0000
0000   0000
0x81810788: 22_hssrx_dfe_ofs_val[00][00]            7b7b 0000   057f
7f00   0909 7f7f
0x81810788: 22_hssrx_dfe_ofs_val[03][00]            0403 7f00   7e01
007f   050b 7f7f
0x81810788: 22_hssrx_dfe_ofs_val[06][00]            037f 0000   077b
7f00   7f7d 7f00
0x81810788: 22_hssrx_dfe_ofs_val[09][00]            7b79 0000   087d
7f00   067f 7f00
0x81810788: 22_hssrx_dfe_ofs_val[12][00]            0b79 7f00   7d09
007f   7e7d 0000
0x81810788: 22_hssrx_dfe_ofs_val[15][00]            7e7f 0000   067b
7f00   0301 7f00
0x81810788: 22_hssrx_dfe_ofs_val[18][00]            7d7f 0000   017b
0000   007d 0000
0x81810788: 22_hssrx_dfe_ofs_val[21][00]            007d 0000   007d
0000   007d 0000
0x81810788: 22_hssrx_dfe_ofs_val[24][00]            0706 0000   047f
0000   7c7c 0000
0x81810794: 25_hssrx_max_gain_path_idx_res[00]      0060 0853   110c
1894   20c0 28a0   308b 3800
0x81810794: 25_hssrx_max_gain_path_idx_res[08]      4090 4875   5070
5801   6040 6800   70ff 7800
0x818107c4: 31_hssrx_dfe_tap[00]                    fffe 8181   0000
0000   0030 0030   3030 3030
0x818107c4: 31_hssrx_dfe_tap[08]                    3030 3030   3030
0000
0x818107e8: 3A_hssrx_ac_cpl_cur_src_adj[00]         0042 0042   0042
0042
0x818107ec: 3B_hssrx_dcd_ctl[00]                    7c51 5c00   7c00
5c00   7c00
0x818107f0: 3C_hssrx_dcc_ctl[00]                    0d41 0d44   0d81
0d85
0x818107f4: 3D_hssrx_qcc_ctl[00]                    698b 6941

xfipcs, fec, aec, & aet registers
=================================
0x81c98400: xfipcs_reg              [00] 00002040 00000080 00000000
00000000    00000001 00000008 00000000 00000000
0x81c98420: xfipcs_reg              [08] 00008401 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c98440: xfipcs_reg              [16] 00000000 00000000 00000000
00000000    00000040 00000000 00000000 00000000
0x81c98460: xfipcs_reg              [24] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c98480: xfipcs_reg              [32] 00000004 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c98620: fec_32g_128g_reg        [08] 00000000 00008003 00000000
00000000    00000000 00000000 00000000
0x81c98648: fec_32g_128g_reg        [18] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c98a00: aec_reg                 [00] 00000000 00000000 00000000
```

```
00000000    00000040 00000000 00000000 00002490
0x81c98c00: aet_reg                 [00] 000000b0 00007000 000008c4
00000000    00000000

bbc registers
=============
0x81c99800: bbc_trc                 0    0    0    0    0    0    0
0
0x81c99840: bbc_trc                 0    0    0    0    0    0    0
0
0x81c99880: bbc_trc                 0    0    0    0    0    0    0
0
0x81c998c0: bbc_trc                 0    0    0    0    0    0    0
0
0x81c99900: bbc_trc                 0    0    0    0    0    0    0
0
0x81c99804: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c99844: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c99884: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c998c4: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c99904: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c99a00: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c99a20: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c99a40: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c99a60: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c99a80: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c99c00: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c99c20: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c99c40: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c99c60: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c99c80: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c99d00: bbc_fbpc                00000000    0x81c99d04: bbc_csc
00000000
0x81c99d08: bbc_rcc_inc             00000000    0x81c99d0c:
bbc_rqc_inc             00000000
0x81c99d10: bbc_fbpc_inc            00000000    0x81c99d14:
bbc_tmc_inc             00000000
0x81c99d18: bbc_threshold           00080100    0x81c99d1c:
bbc_counter_clr         00000000
```

```
0x81c99d20: bbc_debug_en            00000000    0x81c99d24: bbc_ctrl
00200120
0x81c99d28: bbc_rqc_rcc_thresh      00000055    0x81c99d34:
bbc_bb_sc_n             00000000
0x81c99d38: bbc_crd_reco_debug      00000000    0x81c99d3c:
bbc_crd_reco_debug_data 00000000
0x81c99d40: bbc_multi_frm_loss_cnt  00000000    0x81c99d44:
bbc_multi_rdy_loss_cnt  00000000
0x81c99d48: bbc_1frm_loss_recov_cnt 00000000    0x81c99d4c:
bbc_1rdy_loss_recov_cnt 00000000
0x81c99d58: bbc_int_status          00000000    0x81c99d5c:
bbc_int_set             00000000
0x81c99d60: bbc_int_first           00000000    0x81c99d64:
bbc_frm_rdy_rx_err_addr 00000000
0x81c99d68: bbc_frm_rdy_tx_err_addr 00000000    0x81c99d6c:
bbc_trc_mbc_err_addr    00000000
0x81c99d70: bbc_frm_rdy_rx_dbl_ecc  00000000    0x81c99d74:
bbc_frm_rdy_tx_dbl_ecc  00000000
0x81c99d78: bbc_trc_mbc_dbl_ecc     00000000
0x81c99d7c: bbc_fsm_status          00001011    0x81c99d80:
bbc_force_err           00000000
0x81c99d84: bbc_crdt_avail0         00000000    0x81c99d88:
bbc_crdt_avail1         00000000
0x81c99d8c: bbc_scratch             00000000

FPS registers
=============
0x81c98004: fps_er_enc_in           00000000    0x81c98008:
fps_er_crc              00000000
0x81c9800c: fps_er_trunc            00000000    0x81c98010:
fps_er_toolong          00000000
0x81c98014: fps_er_bad_eof          00000000    0x81c98018:
fps_er_enc_out          00000000
0x81c9801c: fps_er_bad_os           00000000    0x81c98020:
fps_er_flush            00000000
0x81c98024: fps_er_ifg              00000000    0x81c98038:
fps_er_crc_good_eof     00000000
0x81c9803c: fps_inv_arb             00000000    0x81c98040:
fps_slow_sts_status     00000000
0x81c98044: fps_tx_frm_cnt          00000000    0x81c98048:
fps_rx_frm_cnt          00000000
0x81c98050: fps_tx_word_cnt_hi      00000000    0x81c9804c:
fps_tx_word_cnt_lo      00000000
0x81c98058: fps_rx_word_cnt_hi      00000000    0x81c98054:
fps_rx_word_cnt_lo      00000000

BAL registers
=============
0x81c9f000: bal_desired_buf         00000000    0x81c9f004:
bal_alloc_buf           00000000
0x81c9f008: bal_busy_buf            00000000    0x81c9f00c:
bal_usable_buf          00000000
0x81c9f010: bal_max_bor_buf         00000000
0x81c9f014: bal_busy_buf_thresh     00000002
```

```
TXQ registers
=============
0x81c9b004: txq_phys_port_ctl       00430000
0x81c9b050: txq_link_skew           00000000
0x81c9b068: txq_cr_lk_dttn_intr_sts [00] 00000000 00000000
0x81c9b070: txq_cr_lk_dttn_intr_en  [00] 00000000 00000000
0x81c9b024: txq_disc_frm_trap_cnt   00000014

FDS registers
=============
0x81c9c000: fds_rxf_ctl             00000002    0x81c9c004:
fds_rxf_wait_thresh     00000909
0x81c9c018: fds_rxf_first_error     00000000    0x81c9c01c:
fds_rxf_first_error_info00000000
0x81c9c020: fds_rxf_inout_pkt_cnt   00000000
0x81c9c008: fds_rxf_err_int_status  00000000    0x81c9c024:
fds_rxf_fifo_status     00888888
0x81c9d000: fds_txf_ctl             0000003a    0x81c9d004:
fds_txf_wait_ifg_thresh 00a00106
0x81c9d008: fds_txf_err_int_status  00000000    0x81c9d024:
fds_txf_fifo_status     00088888
0x81c9d02c: fds_txf_bbc_scs         00000000

Logical TXQ registers
=====================
0x81c9b000: txq_log_port_ctl        00000002    0x81c9b008:
txq_port_status         00000000
0x81c9b00c: txq_todo_flags          [00] 00000000 00000000
0x81c9b014: txq_spd_match_desc      [00] 00000000 00000000 00000000
00000000
0x81c9b024: txq_spd_match_desc      [04] 00000014
0x81c9b028: txq_vc_weight           [00] 01010101 01010101 01010101
01010101
0x81c9b038: txq_vc_weight           [04] 01010101 01010101 01010101
01010101
0x81c9b048: txq_vc_weight           [08] 01010101 00010101
0x81c9b054: txq_cong_dttn_ctrl      00000106
0x81c9b058: txq_cong_dttn_intr_sts  [00] 00000000 00000000
0x81c9b060: txq_cong_dttn_intr_en   [00] 00000000 00000000
0x81c9b078: txq_bw_limit_en_reg     [00] 00000000 00000000
0x81c9b080: txq_bw_gua_en_reg       [00] 00000000 00000000
0x81c9b088: txq_vc_group            [00] 03030300 03030303 03030303
03030303
0x81c9b098: txq_vc_group            [04] 03030303 03030303 03030303
03030303
0x81c9b0a8: txq_vc_group            [08] 03030303 03030303 00000000
00000000
0x81c9b0b0: txq_bw_thresh_group     [00] 00000000 00000000 00000000
00000000
0x81c9b0c0: txq_bw_thresh_group     [04] 00000000 00000000 00000000
00000000
0x81c9b0d0: txq_bw_thresh_group     [08] 00000000 00000000 00000000
00000000
```

```
0x81c9b0e0: txq_bw_thresh_group     [12] 00000000 00000000 00000000
00000000
0x81c9b0f0: txq_bw_thresh_group     [16] 00000000 00000000 00000000
00000000
0x81c9b100: txq_bw_thresh_group     [20] 00000000 00000000 00000000
00000000
0x81c9b110: txq_bw_thresh_group     [24] 00000000 00000000 00000000
00000000
0x81c9b120: txq_bw_thresh_group     [28] 00000000 00000000 00000000
00000000
0x81c9b130: txq_bw_thresh_group     [32] 00000000 00000000 00000000
00000000
0x81c9b140: txq_bw_thresh_group     [36] 00000000 00000000 00000000
00000000

txq Congestion detection Statistics RAM
=======================================
0x81090be0: vc[0]       00000000        0x81090be4: vc[1]
00000000
0x81090be8: vc[2]       00000000        0x81090bec: vc[3]
00000000
0x81090bf0: vc[4]       00000000        0x81090bf4: vc[5]
00000000
0x81090bf8: vc[6]       00000000        0x81090bfc: vc[7]
00000000
0x81090c00: vc[8]       00000000        0x81090c04: vc[9]
00000000
0x81090c08: vc[10]      00000000        0x81090c0c: vc[11]
00000000
0x81090c10: vc[12]      00000000        0x81090c14: vc[13]
00000000
0x81090c18: vc[14]      00000000        0x81090c1c: vc[15]
00000000
0x81090c20: vc[16]      00000000        0x81090c24: vc[17]
00000000
0x81090c28: vc[18]      00000000        0x81090c2c: vc[19]
00000000
0x81090c30: vc[20]      00000000        0x81090c34: vc[21]
00000000
0x81090c38: vc[22]      00000000        0x81090c3c: vc[23]
00000000
0x81090c40: vc[24]      00000000        0x81090c44: vc[25]
00000000
0x81090c48: vc[26]      00000000        0x81090c4c: vc[27]
00000000
0x81090c50: vc[28]      00000000        0x81090c54: vc[29]
00000000
0x81090c58: vc[30]      00000000        0x81090c5c: vc[31]
00000000
0x81090c60: vc[32]      00000000        0x81090c64: vc[33]
00000000
0x81090c68: vc[34]      00000000        0x81090c6c: vc[35]
00000000
0x81090c70: vc[36]      00000000        0x81090c74: vc[37]
```

```
00000000
0x81090c78: vc[38]      00000000        0x81090c7c: vc[39]
00000000


Logical STS registers
=====================
0x81584ec4: sts_ftb_type1_miss      00000000
0x81584ec8: sts_ftb_type2_miss      00000000
0x81584ecc: sts_ftb_type6_miss      00000000
0x81584ed0: sts_hard_zoning_miss    00000000
0x81584ed4: sts_lun_zoning_miss     00000000
0x81584edc: sts_unroutable          00000000
0x81581ef4: sts_rte_cl2             00000000    0x81581ef8:
sts_rte_cl3             00000000        0x81581efc: sts_rte_link_ctl
00000000        0x81584ee8: sts_tx_timeout          00000000

Logical STS filter registers
=====================
0x81584e40: sts_flt_trig            [00] 00000000 00000000 00000000
00000000
0x81584e50: sts_flt_trig            [04] 00000000 00000000 00000000
00000000
0x81584e60: sts_flt_trig            [08] 00000000 00000000 00000000
00000000
0x81584e70: sts_flt_trig            [12] 00000000 00000000 00000000
00000000
0x81584e80: sts_flt_trig            [16] 00000000 00000000 00000000
00000000
0x81584e90: sts_flt_trig            [20] 00000000 00000000 00000000
00000000
0x81584ea0: sts_flt_trig            [24] 00000000 00000000 00000000
00000000
0x81584eb0: sts_flt_trig            [28] 00000000 00000000 00000000
00000000
0x81584ec0: sts_flt_trig            [32]

Logical STS discard registers
=====================
0x81582b9c: disc_mcast_wka          00000000    0x81582ba0:
disc_inv_did            00000000
0x81582ba4: disc_cl1_cl4            00000000    0x81582ba8:
disc_sid_chk_fail       00000000
0x81582bac: disc_inv_dom_egid_txpt  00000000    0x81582bb0:
disc_vft_hop_cnt_1      00000000
0x81582bb4: disc_classf             00000000    0x81582bb8:
disc_fcp_cdb_inv        00000000
0x81582bbc: disc_vfid_trap_enabled  00000000    0x81582bc0:
disc_vfid_hdr_chk_fail  00000000
0x81582bc4: disc_shim_cksum_fail    00000000    0x81582bc8:
disc_fed_edit_cmd_err   00000000
0x81582bcc: disc_ftb_vm_mode        00000000    0x81582bd0:
disc_ftb_agn_t2_miss    00000000
0x81582bd4: disc_ecb_reserved       00000000    0x81582bd8:
```

```
disc_ecb_de_pad_err     00000000
0x81582bdc: disc_ecb_de_tag_err     00000000    0x81582be0:
disc_ecb_de_seq_err     00000000
0x81582be4: disc_ecb_err            00000000    0x81582be8:
disc_ftb_type4_match    00000000
0x81582bec: disc_fcp_rsp_ftb_type4  00000000    0x81582bf0:
disc_ftb_type5_match    00000000
0x81582bf4: disc_ftb_type3_match    00000000    0x81582bf8:
disc_els_ftb_type3      00000000
0x81582bfc: disc_ftb_type1_match    00000000    0x81582c00:
disc_els_rsp_ex_port    00000000
0x81582c04: disc_inv_drp_dps        00000000    0x81582c08:
disc_did_lookup_miss    00000000
0x81582c0c: disc_ftb_type2_match    00000000    0x81582c10:
disc_trpd_plogi_pdisc   00000000
0x81582c14: disc_type2_lookup_miss  00000000    0x81582c18:
disc_ftb_type6_match    00000000
0x81582c1c: disc_els_rep_ex_port    00000000    0x81582c20:
disc_els_sid_lkup_bit1  00000000
0x81582c24: disc_els_sid_lkup_bit0  00000000    0x81582c28:
disc_bls_frm_trap_bit1  00000000
0x81582c2c: disc_ftb_token_err      00000000    0x81582c30:
disc_asic_internal_err  00000000
0x81582c34: disc_hard_zone_miss     00000000    0x81582c38:
disc_lun_zone_miss      00000000
0x81582c3c: disc_flt_frame_disc     00000000    0x81582c40:
disc_flt_parity_err     00000000
0x81582c44: disc_frame_marked_du    00000000    0x81582c48:
disc_frame_marked_to    00000000
0x81582c4c: disc_lkup_rte_prty_err  00000000


portstatsshow 46
stat_wtx                0                   4-byte words transmitted
stat_wrx                0                   4-byte words received
stat_ftx                0                   Frames transmitted
stat_frx                0                   Frames received
stat_c2_frx             0                   Class 2 frames received
stat_c3_frx             0                   Class 3 frames received
stat_lc_rx              0                   Link control frames
received
stat_mc_rx              0                   Multicast frames
received
stat_mc_to              0                   Multicast timeouts
stat_mc_tx              0                   Multicast frames
transmitted
tim_txcrd_z             0                   Time TX Credit Zero
(2.5Us ticks)
tim_txcrd_z_vc  0- 3:  0           0           0           0
tim_txcrd_z_vc  4- 7:  0           0           0           0
tim_txcrd_z_vc  8-11:  0           0           0           0
tim_txcrd_z_vc 12-15:  0           0           0           0
lat_tot_pkt_vc  0- 3:  1           1           1           1
lat_tot_pkt_vc  4- 7:  1           1           1           1
```

```
lat_tot_pkt_vc  8-11:  1           1           1           1
lat_tot_pkt_vc 12-15:  1           1           1           1
lat_hi_time_vc  0- 3:  0           0           0           0
lat_hi_time_vc  4- 7:  0           0           0           0
lat_hi_time_vc  8-11:  0           0           0           0
lat_hi_time_vc 12-15:  0           0           0           0
lat_lo_time_vc  0- 3:  1           1           1           1
lat_lo_time_vc  4- 7:  1           1           1           1
lat_lo_time_vc  8-11:  1           1           1           1
lat_lo_time_vc 12-15:  1           1           1           1
max_latency_vc  0- 3:  1           1           1           1
max_latency_vc  4- 7:  1           1           1           1
max_latency_vc  8-11:  1           1           1           1
max_latency_vc 12-15:  1           1           1           1
latency_dma_ts          09-09-2024 UTC Mon 08:47:25             TXQ
Latency DMA TimeStamp
fec_cor_detected        0                   Count of blocks that
were corrected by FEC
fec_uncor_detected      0                   Count of blocks that
were left uncorrected by FEC
er_enc_in               0                   Encoding errors inside
of frames
er_crc                  0                   Frames with CRC errors
er_trunc                0                   Frames shorter than
minimum
er_toolong              0                   Frames longer than
maximum
er_bad_eof              0                   Frames with bad end-of-
frame
er_enc_out              0                   Encoding error outside
of frames
er_bad_os               0                   Invalid ordered set
er_pcs_blk              0                   PCS block errors
er_rx_c3_timeout        0                   Class 3 receive frames
discarded due to timeout
er_tx_c3_timeout        0                   Class 3 transmit frames
discarded due to timeout
er_unroutable           0                   Frames that are
unroutable
er_unreachable          0                   Frame with unreachable
destination
er_other_discard        0                   Other discards
er_type1_miss           0                   frames with FTB type 1
miss
er_type2_miss           0                   frames with FTB type 2
miss
er_type6_miss           0                   frames with FTB type 6
miss
er_zone_miss            0                   frames with hard zoning
miss
er_lun_zone_miss        0                   frames with LUN zoning
miss
er_crc_good_eof         0                   Crc error with good eof
er_inv_arb              0                   Invalid ARB
```

```
er_single_credit_loss   0                   Single vcrdy/frame loss
on link
er_multi_credit_loss    0                   Multiple vcrdy/frame
loss on link
other_credit_loss       0                   Link timeout/complete
credit loss
phy_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
phy_port stats clear
lgc_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
lgc_port stats clear
fec_corrected_rate      0                   FEC Corrected blocks per
second

portstats64show 46
stat64_wtx      0           top_int : 4-byte words transmitted
                0           bottom_int : 4-byte words transmitted
stat64_wrx      0           top_int : 4-byte words received
                0           bottom_int : 4-byte words received
stat64_ftx      0           top_int : Frames transmitted
                0           bottom_int : Frames transmitted
stat64_frx      0           top_int : Frames received
                0           bottom_int : Frames received
stat64_c2_frx   0           top_int : Class 2 frames received
                0           bottom_int : Class 2 frames received
stat64_c3_frx   0           top_int : Class 3 frames received
                0           bottom_int : Class 3 frames received
stat64_lc_rx    0           top_int : Link control frames received
                0           bottom_int : Link control frames
received
stat64_mc_rx    0           top_int : Multicast frames received
                0           bottom_int : Multicast frames received
stat64_mc_to    0           top_int : Multicast timeouts
                0           bottom_int : Multicast timeouts
stat64_mc_tx    0           top_int : Multicast frames transmitted
                0           bottom_int : Multicast frames
transmitted
tim64_rdy_pri   0           top_int : Time R_RDY high priority
                0           bottom_int : Time R_RDY high priority
tim64_txcrd_z   0           top_int : Time BB_credit zero
                0           bottom_int : Time BB_credit zero
er64_enc_in     0           top_int : Encoding errors inside of
frames
                0           bottom_int : Encoding errors inside of
frames
er64_crc        0           top_int : Frames with CRC errors
                0           bottom_int : Frames with CRC errors
er64_trunc      0           top_int : Frames shorter than minimum
                0           bottom_int : Frames shorter than minimum
er64_toolong    0           top_int : Frames longer than maximum
                0           bottom_int : Frames longer than maximum
er64_bad_eof    0           top_int : Frames with bad end-of-frame
                0           bottom_int : Frames with bad end-of-
frame
er64_enc_out    0           top_int : Encoding error outside of
```

```
frames
                0           bottom_int : Encoding error outside of
frames
er64_disc_c3    0           top_int : Class 3 frames discarded
                0           bottom_int : Class 3 frames discarded
er64_pcs_blk    0           top_int : PCS block errors
                0           bottom_int : PCS block errors
stat64_rateTxFrame      0           Tx frame rate (fr/sec)
stat64_rateRxFrame      0           Rx frame rate (fr/sec)
stat64_rateTxPeakFrame  0           Tx peak frame rate (fr/sec)
stat64_rateRxPeakFrame  0           Rx peak frame rate (fr/sec)
stat64_rateTxWord       0           Tx Word rate (words/sec)
stat64_rateRxWord       0           Rx Word rate (words/sec)
stat64_rateTxPeakWord   0           Tx peak Word rate (words/sec)
stat64_rateRxPeakWord   0           Rx peak Word rate (words/sec)
stat64_PRJTFrames       0           top_int : Number of PRJT frames
returned to this port
                        0           bottom_int : Number of PRJT
frames returned to this port
stat64_PBSYFrames       0           top_int : Number of PBSY frames
returned to this port
                        0           bottom_int : Number of PBSY
frames returned to this port
stat64_inputBuffersFull 0           top_int : Number of occurrences
when all input buffers full
                        0           bottom_int : Number of
occurrences when all input buffers full
stat64_rxClass1Frames   0           top_int : Number of class 1
frames received
                        0           bottom_int : Number of class 1
frames received
stat64_aveTxFrameSize   0           Average Tx Frame size
stat64_aveRxFrameSize   0           Average Rx Frame size
Lr_in           0           top_int
                0           bottom_int
Ols_in          0           top_int
                0           bottom_int
Lr_out          0           top_int
                0           bottom_int
Ols_out         0           top_int
                0           bottom_int
Link_failure    0           top_int
                0           bottom_int
Invalid_CRC     0           top_int
                0           bottom_int
Invalid_word    0           top_int
                0           bottom_int
Protocol_err    0           top_int
                0           bottom_int
Loss_of_sig     0           top_int
                0           bottom_int
Loss_of_sync    0           top_int
                0           bottom_int
er_bad_os       0           top_int : Invalid ordered set
```

```
                0           bottom_int: Invalid ordered set


portrouteshow 46
port address ID: 0x012e00
external unicast routing table:
   0: Embedded
 255: Embedded
internal unicast routing table:
   0: Embedded

portcamshow 46
-------------------------------------------------
Port  SID used  DID used  SID entries  DID entries
46     0         0         000000       000000
-------------------------------------------------

ptbufshow, ptcreditshow, ptdatashow, ptstatsshow 46
S:
S:VF Enable:            1
S:
S:C4 Global Variable:
S:-------------------------------------------------------------------
---------
S:trace_stop:           0
S:
S:C4 Phy Data Pointers: c4_phyp = 0xb6adb0c0
S:-------------------------------------------------------------------
---------
S:tnodep                        0xbb841000      pt
        0x43028013
S:proto_phyp            0xb8809a20      phy_cfg
0xb6adc100
S:c4_chp                        0x97e28000      c4_lgcp
0x97f94000
S:c4_phy_regp           0x81c98000      proc_dir
0xb851a320
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4345678      num_port_timer          12
S:prev_if_id            0x43020013      S:ftx                   0
        tov                     0
S:initialized           1               port_idx                19
S:ui_idx                        46              slot_no
        0
S:blade_idx             19              sw_usr_ports            400
S:unused                        0               intr_debounced
        0
S:aec_status            0x0             reason_code
        0
S:debug                 0x00000004      debug_trc_line          0
S:rxbuf_list_head       0xffffffff      rxbuf_list_tail
0xffffffff
S:isAePort                      0               port_misc_data
```

```
                0
S:num_fault1_rx_disc    0               num_fault2_rx_disc      0
S:p_lli_cause0          0               p_sig_regained          0
S:p_sync_regained               0               enc_out
        0x0
S:cached_fps_status     0               cached_sts_status       0
S:cached_er_crc_good_eof        0
S:cached_er_bad_os      0               cached_er_too_long      0
S:cached_er_trunc       0
cached_tot_er_crc_good_eof      0
S:num_pt_excess_intr    0               num_no_fid              0
S:num_fault1_cnt                0               num_fault2_cnt
        0
S:num_fault_lip         0               num_fault_lli           0
S:num_fault_rx_fifo     0               num_fault_hss           0
S:num_fault_bwait               0               lli_intr_prim
        0
S:num_sw_link_to                0
be_link_err_mon_count           0
S:ecb_enc_enabled               0               ecb_comp_enabled
                0
S:ecb_rsv_enc           0               ecb_rsv_comp            0
S:ecb_enc_bm            0x0             ecb_key_index
0xffffffff
S:fab_idx               0
S:num_be_lto            0               lto_count_reset_intvl
        0
S:lr_count_reset_intvl          0               num_be_lr
        0
S:num_fault_qsfp                0               check_lto
        0
S:credit_loaded         0               num_credit_overrun
        0
S:fec_enabled           0x0             fec_los_to_flag         0x0
S:phy_stats_clear_ts            1725611419      pcs_err_online
        0
S:pcs_err_light_det             0               pcs_err_ignore
        0
S:pcs_blk_err           0               pcs_hiber               0
S:phy_port_status               0               ecb_enc_lr_count
                0
S:dport_mode            0               avoid_lto_det           0
S:sn_debounced          0x0             sn_started_kr_reqd      0
S:major_timer_started   0x0             ready_bm                0x0
S:parln_1_bm            0x0             parln_0_bm              0x0
S:be_los_of_sync_event_intvl            0
be_los_of_sync_event            0
S:errataPtenable_cntr           0               errataPoll_cntr
        0
S:jda_rx_sig_loss_det           0               jda_rx_sig_loss_cnt
                0
S:encrypt_blk_error             0
S:
S:      c4_trunk
```

```
S:=======================================
S:mark_ts               0x0             deskew                  0x0
S:master_phyp           0x0
S:
S:adelay[00]: 0x00000000 0x00000000 0x00000000 0x00000000
S:adelay[04]: 0x00000000 0x00000000 0x00000000 0x00000000
S:
S:      c4_buf
S:=======================================
S:tx_csc                        0               rx_csc
        0
S:ld_vc_credits         0               tx_flag                 0x0
S:alloc_buffers         0               req_buffers             0
S:est_buffers           20              ld_use_est              0
S:bb_sc_n                       0               rx_bb_sc_n
        0
S:data_cr                       5               nondata_cr
        6
S:cr_enable             0
S:ld_nondata_cr         6               tnodep
0xbb8410e0
S:tx_credits[0] 0    0    0    0    0    0    0    0
S:tx_credits[8] 0    0    0    0    0    0    0    0
S:tx_credits[16]        0    0    0    0    0    0    0    0
S:tx_credits[24]        0    0    0    0    0    0    0    0
S:tx_credits[32]        0    0    0    0    0    0    0    0
S:rx_credits[0] 0    0    0    0    0    0    0    0
S:rx_credits[8] 0    0    0    0    0    0    0    0
S:rx_credits[16]        0    0    0    0    0    0    0    0
S:rx_credits[24]        0    0    0    0    0    0    0    0
S:rx_credits[32]        0    0    0    0    0    0    0    0
S:tx_mbc[0]     0    0    0    0    0    0    0    0
S:tx_mbc[8]     0    0    0    0    0    0    0    0
S:tx_mbc[16]    0    0    0    0    0    0    0    0
S:tx_mbc[24]    0    0    0    0    0    0    0    0
S:tx_mbc[32]    0    0    0    0    0    0    0    0
S:rx_mbc[0]     0    0    0    0    0    0    0    0
S:rx_mbc[8]     0    0    0    0    0    0    0    0
S:rx_mbc[16]    0    0    0    0    0    0    0    0
S:rx_mbc[24]    0    0    0    0    0    0    0    0
S:rx_mbc[32]    0    0    0    0    0    0    0    0
S:
S:C4 Chip Variables: c4_phyp->c4_chp = 0x97e28000
S:-------------------------------------------------------------------
---------
S:version = 2.1
S:magic_id              0xc4234567      init_state              0x8
S:reset_reg_mem         0x1
S:ch_int0_en_bm         0x0             intr0_cause             0x0
S:ch_int1_en_bm         0x0             intr1_cause             0x0
S:ch_int2_en_bm         0x0             intr2_cause             0x0
S:ch                    0x43010080      ch_cfg
0xb7013ba0
S:raslog_hndl.hndl      0x0             obj_halted              0x0
```

```
S:c4_chip_regp          0x80000000      c4_fpg_regp
0x81800000
S:num_chip_timer        0x5
S:hi_task_bm            0x0             lo_task_bm              0x0
S:c4_deferq.q_head      0x0             c4_deferq.q_tail        0x0
S:c4_tmrq.q_head        0x0             c4_tmrq.q_tail          0x0
slot_no                 0
S:chip_inst             0               chip_idx                0
S:pll_initialized               1
pll_serdes_initialized  1
S:init_tries            0               init_ptEnableBM
0xba01b488
S:tick_polling          0xb980c9c0      sec_polling
0xb980c960
S:bb_fid                        129
S:ecb_key_bm[0]         0x0             ecb_key_bm[1]           0x0
S:ecb_key_bm[2]         0x0             ecb_key_bm[3]           0x0
S:is_chip_enc_enabled                   0
is_chip_comp_enabled    0x0
S:ftb_rsrcp->ftb_flags  0x0             act_rsrcp->act_flag     0x1
S:lue_rsrcp->lue_flags[0]       0x0             lue_rsrcp-
>lue_flags[1]   0x0
S:c4_phyp[00]: 0xb6ab0000 0xb6ab2080 0xb6ab4100 0xb6ab6180
S:c4_phyp[04]: 0xb6ab9040 0xb6abb0c0 0xb6abd140 0xb6ac0000
S:c4_phyp[08]: 0xb6ac2080 0xb6ac4100 0xb6ac6180 0xb6ac9040
S:c4_phyp[12]: 0xb6acb0c0 0xb6acd140 0xb6ad0000 0xb6ad2080
S:c4_phyp[16]: 0xb6ad4100 0xb6ad6180 0xb6ad9040 0xb6adb0c0
S:c4_phyp[20]: 0xb6add140 0xb6ae0000 0xb6ae2080 0xb6ae4100
S:c4_phyp[24]: 0xb6ae6180 0xb6ae9040 0xb6aeb0c0 0xb6aed140
S:c4_phyp[28]: 0xb6af0000 0xb6af2080 0xb6af4100 0xb6af6180
S:c4_phyp[32]: 0xb6af9040 0xb6afb0c0 0xb6afd140 0xb6b00000
S:c4_phyp[36]: 0xb6b02080 0xb6b04100 0xb6b06180 0xb6b09040
S:c4_phyp[40]: 0xb6b0b0c0 0xb6b0d140 0xb6b10000 0xb6b12080
S:c4_phyp[44]: 0xb6b14100 0xb6b16180 0xb6b19040 0xb6b1b0c0
S:c4_phyp[48]: 0xb6b1d140 0xb6b20000 0xb6b22080 0xb6b24100
S:c4_phyp[52]: 0xb6b26180 0xb6b29040 0xb6b2b0c0 0xb6b2d140
S:c4_phyp[56]: 0xb6b30000 0xb6b32080 0xb6b34100 0xb6b36180
S:c4_phyp[60]: 0xb6b39040 0xb6b3b0c0 0xb6b3d140 0xb6b40000
S:c4_lgcp[00]: 0x97f48000 0x97f4c000 0x97f50000 0x97f54000
S:c4_lgcp[04]: 0x97f58000 0x97f5c000 0x97f60000 0x97f64000
S:c4_lgcp[08]: 0x97f68000 0x97f6c000 0x97f70000 0x97f74000
S:c4_lgcp[12]: 0x97f78000 0x97f7c000 0x97f80000 0x97f84000
S:c4_lgcp[16]: 0x97f88000 0x97f8c000 0x97f90000 0x97f94000
S:c4_lgcp[20]: 0x97f98000 0x97f9c000 0x97fa0000 0x97fa4000
S:c4_lgcp[24]: 0x97fa8000 0x97fac000 0x97fb0000 0x97fb4000
S:c4_lgcp[28]: 0x97fb8000 0x97fbc000 0x97fc0000 0x97fc4000
S:c4_lgcp[32]: 0x97fc8000 0x97fcc000 0x97fd0000 0x97fd4000
S:c4_lgcp[36]: 0x97fd8000 0x97fdc000 0x97fe0000 0x97fe4000
S:c4_lgcp[40]: 0x97fe8000 0x97fec000 0x97ff0000 0x97ff4000
S:c4_lgcp[44]: 0x97ff8000 0x97ffc000 0x8e000000 0x8e004000
S:c4_lgcp[48]: 0x8e008000 0x8e00c000 0x8e010000 0x8e014000
S:c4_lgcp[52]: 0x8e018000 0x8e01c000 0x8e020000 0x8e024000
S:c4_lgcp[56]: 0x8e028000 0x8e02c000 0x8e030000 0x8e034000
S:c4_lgcp[60]: 0x8e038000 0x8e03c000 0x8e040000 0x8e044000
```

```
S:chip_timers[00]: 0xb980c720 0xb980c780 0xb980c7e0 0xb980c840
S:chip_timers[04]: 0xb980c8a0 0xb980c900
S:disc_trap_enable_required     0x0             rxlp_disc_log_stop
        0x0
S:curr_rxlp_frm_cnt     0x0             curr_rxlp_disc_frm_cnt  0x0
S:sw_disc_frm_cnt       0x0             last_disc_frm_cnt       0x0
S:txq_nopop_pr_cnt      0x0             pollErrataDfe_ptBM
0xba01b4b0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][0]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][1]  0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][2]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][0] 0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][1]       0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][2] 0x0
S:
S:C4 Logical Port Variables
S:-------------------------------------------------------------------
---------
S:c4_lgc_regp           0x81c98000
S:c4_phyp:
S:      0xb6adb0c0      0x0             0x0             0x0

S:      0x0             0x0             0x0             0x0

S:master_phyp           0xb6adb0c0      if_id
0x43020013
S:min_phyp              0x0             max_phyp                0x0
S:num_phy_ports         1               lgc_num                 19
S:num_iu_to             0               sw_txq_bm
        0
S:port_fid              128             unused                  0
S:port_group            2               lgc_stats_clear_ts
                1725611419
S:domain_tbl_sel                0               area_tbl_sel
        0
S:egid_tbl_sel          0
S:serv_lo_bm            0x0
S:
S:Proto Phy Variables:
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4123456      asic_phyp
0xb6adb0c0
S:port_id                       0x43028013      phy_cfg
        0xb6adc100
S:upsm_hdl              0xb8015b40      physm_hdl
0xb80158c0
S:ov_snsm_hdl           0xb8015780      sw_snsm_hdl
0xb8015820
S:ov_lksm_hdl           0xb8015960      sw_lksm_hdl
0xb8015a00
S:trksm_hdl             0xb8015aa0      lr_flag         0x0
S:lr_active             0x0             qsfp_txrx_rate_sel
        0x0
```

```
S:
S:UPSM      UP00: UPST_PORT_DISABLED    --> UP01:
UPST_START_PORT_INIT
S:SNSM(OV)  SN00: OV_SNST_STOPPED       --> SN00: OV_SNST_STOPPED
S:SNSM(SW)  SW00: SW_SNST_STAGE_WS      --> SW00: SW_SNST_STAGE_WS
S:PHYSM     UNKNOWN     --> PP03: PHYST_NO_SIGNAL
S:LKSM(OV)  LK00: OV_LKST_INACTIVE      --> LK00: OV_LKST_INACTIVE
S:LKSM(SW)  SW13: INACTIVE              --> SW13: INACTIVE
S:TRKSM     TRK0: TRKST_INIT            --> TRK0: TRKST_INIT
S:
S:physm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8809a20      physm_hdl
0xb80158c0
S:force_offline         0               copper                  0
S:fault_reason          0: UNKNOWN
S:phy_media_present             1
S:
S:snsm variables:
S:-------------------------------------------------------------------
---------
S:speed                 0xff            proto_phyp
0xb8809a20
S:hw_sn_tries_left      0x0             sw_sn_tries_left        0x0
S:curr_txsp_count               0x0
S:tx_max                        0x0             curr_tx_indx
        0x0
S:curr_tx                       0x0             curr_rxsp_count
        0x0
S:rx_max                        0x0             curr_rx_indx
        0x0
S:curr_rx                       0x0             rx_mem
        0x0
S:rxsp_rec_count                0x0
S:nc_start              0x0             tx_start                0x0
S:sync_start            0x0             sync_present            0x0
S:diag_auto             0x0             diag_speed              0xff
S:striped_wd_tov                3000            hw_wd_tov
        3000
S:step                  0x0             qsfp28_speed_mode
        0x0
S:qsfp_mode0_hw_sn_tries_left           0x0
S:qsfp_mode1_hw_sn_tries_left           0x0
S:
S:lksm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8809a20      ov_lksm_hdl
0xb8015960
sw_lksm_hdl             0xb8015a00
num_lf1                 0
S:hw_link_tries_left    0               sw_link_tries_left      0
S:buf_ptype             0x0             stored_entry_state      0x6
```

```
S:handshake_owner               0x0             mark_unsent
        0x0
S:busybuf_stuck         0x0             lr_wait                 0x0
S:
S:trksm variables:
S:-------------------------------------------------------------------
---------
S:Not a trunk port
S:
S:upsm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8809a20      upsm_hdl
0xb8015b40
S:bb_credits            0               port_beacon             0
S:port_diag_flag                0               force_offline
        0
S:port_fault_rsn                0: PORT_NO_FAULT
S:retry_init_rsn                0: UNKNOWN
S:linit_reason          0               linit_result            0
S:ie_fctl_mode          0               fec_in_sync_tries_left  0
S:retry_sn_fail_init    0
retry_link_fail_init    0
S:excess_lr_count       0
S:
S:c4_ch_cfg
S:-------------------------------------------------------------------
---------
S:c4_desc_ring_size     256      292      256      256      292
292      2        292      292
S:thresh_def            0        16       1        0
S:intr_tries            500             cmem_pattern
0xdeadbeef
S:cmem_pattern_upwd     2               cmem_init_time          16
S:cmem_init_tries               5
S:ctrl_par_thresh               2               data_par_thresh
        4
S:cam_par_thresh                4               buf_loss_thresh
        12
S:crit_par_thresh               2               non_crit_par_thresh
        6
S:pci_abort_thresh      10              pci_err_thresh          5
S:excess_chintr_thresh  8               sw_err_thresh           20
S:err_sample_period     300             intr_sleep
20000
S:frame_timeout 2500            proxy_dev               16384
S:vf_route      81920           qos             2048
S:stats 2048            f_redirect              2048
S:rsp_trap      2048            lun_zoning              20480
S:area_mode     0               ftb_max_loop[0]         0
S:ftb_max_loop[1]       6               ftb_max_loop[2]         9
S:ftb_max_loop[3]       10              ftb_max_loop[4]         10
S:ftb_max_loop[5]       5               ftb_max_loop[6]         6
S:ftb_seg_size[0]       0               ftb_seg_size[1]
```

```
16384
S:ftb_seg_size[2]       65536           ftb_seg_size[3]
16384
S:ftb_seg_size[4]       16384           ftb_seg_size[5]
65536
S:ftb_seg_size[6]       16384           ftb_seg_base[0]         0
S:ftb_seg_base[1]       0               ftb_seg_base[2]
65536
S:ftb_seg_base[3]       16384           ftb_seg_base[4]
32768
S:ftb_seg_base[5]       131072          ftb_seg_base[6]
49152
asic_err_monitor_period1                300
asic_err_monitor_period2                86400
zone_chk_to_poll_period 25
zone_chk_class2_reject_tov              220
S:
S:c4_phy_cfg
S:-------------------------------------------------------------------
---------
S:version = 2.1
S:pt                    0x43028013      fab_ptr
0x9a800000
S:fabattr                       0x9a8000d4      fab_iop
        0x9a800050
S:cfgbm                 0xbb840e04      port_ctrl
0xb6adc118
S:pcap.pcap_bm          0x8d215547      pcap.pcap2_bm
0x588289
S:pcap.pcap3_bm         0x1bea60c
ui_idx                  46              S:slot_no
        0
is_icl                  0               S:sw_usr_ports          400
S:neg_speed             0 0 0 0 0 0
S:my_domain             0x1             port_mode               0x0
S:hw_sn_maxtries                100             sw_sn_maxtries
        0
S:hw_link_maxtries      10              sw_link_maxtries        5
S:rx_cyc_tov            28              rttov                   300
S:bufrdy_tov            300             busybuf_tov             286
S:mark_tov              300             lksm_tov                3000
S:buf_dealloc_wait      4               hw_wd_tov               3000
S:hw_lk_train_tov               540             hw_lk_test_tov
        150
S:syswait_tx_12_lips    1               lip_rx_tov              55
S:al_time_tov           15              lp_tov                  2000
S:intr_tries_port               500             intr_mod_debounce
        250
S:intr_lsr_flt_debounce 500             intr_efifo_debounce     100
S:port_no_fid           3               excess_ptintr_thresh    8
S:port_fault1_thresh    100             port_fault1_spur_thresh 250
S:port_fault1_disc_thresh       500
port_fault1_disc_spur_thresh    1000
S:port_fault2_thresh    5               losync_tov              100
```

```
S:port_sw_link_to               15              en_8g_scramble
        1
frc_hw_sn_mode          0x1
S:enc_poll_thresh               0               fec_enable
        0
S:fec_in_sync_to                50              fec_in_sync_try_max
        4
S:port_be_lto_threshold         100             port_be_lr_threshold
              2
S:be_cr_in_sync_to              5
port_credit_overrun_thresh              10
S:jda_sfp_losig_tov             400
jda_sfp_losig_try_max           30
S:striped_wd_tov                3000
no_sync_debounce                1200
S:
S:      fab_iop
S:======================================
S:fab_iop->interop_mode 0x0             fab_iop->lab_mode       0x0
S:fab_iop->fl_bbc               0x0             fab_iop->fl_fan
        0x0
S:fab_iop->fl_cls               0x4             fab_iop->fl_rscn
        0x0
S:fab_iop->domain_id_offset     0x60            fab_iop-
>mcdt_fabric_mode       0x0
S:fab_iop->mcdt_default_zone            0x0             fab_iop-
>mcdt_safe_zone         0x0
S:
S:      port_ctrl
S:======================================
S:port_ctrl.port_type   1               port_ctrl.port_grp      2
S:port_ctrl.port_number 46              port_ctrl.vc_mode       1
S:
S:      port_ctrl.lcap
S:======================================
S:has_serdes            0               has_media               1
S:topology              1               skip_nego               0
S:skip_pnego            0               skip_init_event         0
S:en_shim                       0               speed_neg
        1
S:loop_back             0               num_speeds              5
S:fec_enable            0
S:
S:      port_ctrl.speed_list array
S:======================================
S:speed_list[0].auto_neg  1     speed_list[0].lnk_speed  0x0000000a
S:speed_list[1].auto_neg  1     speed_list[1].lnk_speed  0x00000008
S:speed_list[2].auto_neg  0     speed_list[2].lnk_speed  0x00000006
S:speed_list[3].auto_neg  1     speed_list[3].lnk_speed  0x00000005
S:speed_list[4].auto_neg  0     speed_list[4].lnk_speed  0x00000003
S:speed_list[5].auto_neg  0     speed_list[5].lnk_speed  0x00000000
S:
S:      port_ctrl.cm
S:======================================
```

```
S:port_ctrl.cm.num_vcs          8
S:port_ctrl.cm.min_bufs         8
S:port_ctrl.cm.cr_shar_bufs     0
S:port_ctrl.vc_alloc
S:port_ctrl.vc_alloc            2 0 1 1 1 1 1 1
S:port_ctrl.vc_alloc            0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.norm_vc_alloc
S:port_ctrl.norm_vc_alloc       4 0 5 5 5 5 1 1
S:port_ctrl.norm_vc_alloc       0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.cm.skip_bb_credit           0
S:port_ctrl.cm.use_shim_based_sublist           0
S:
S:      port_ctrl.serdes_set
S:=====================================
S:serdes_type           0x8
S:serdes_data_t.ibm_hss_serdes.tx_drive_power           0x1
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b_sign      0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_a           0x0
S:serdes_data_t.ibm_hss_serdes.rxeq                     0x0
S:
S:      cfgbm
S:=====================================
S:old_distance          0x0             gport_lockdown          0x0
S:tport                 0x1             speed                   0x0
S:disable_eport         0x0             fcacc                   0x0
S:lport_lockdown                0x0             priv_lport_lockdown
        0x0
S:vcxlt_linit           0x0             delay_flogi             0x0
S:isl_interop           0x0             distance                0x0
S:BufStarvFlag          0x0             credit_sharing          0x0
S:lport_halfduplex      0x0             lport_fairness          0x0
S:soft_neg              0x0             asn_frc_hwretry         0x0
S:cr_recov              0x0             fport_buffers           0x0
S:export                        0x0             export_mode
        0x0
S:csctl_en              0x0             mirror_port             0x0
S:fault_delay           0x0             non_dfe                 0x0
S:fec_configured*(0=ENAB)       0               fec_tts
        0
S:port_persistently_disabled (permanently) 0 (0)
S:
S:      cfg property
S:=====================================
S:priv_pcfg_bm          0x00000000      lgcl_pcfg_bm
0xbb840e44
S:fport_buffer          0x00000000
S:
S:
S:C4 Discard Cntrs: rxlp_stats = 0xb6adb470
S:-------------------------------------------------------------------
---------
```

```
S:disc_mcast_wka        0x0             disc_inv_did            0x0
S:disc_cl1_cl4          0x0             disc_sid_chk_fail       0x0
S:disc_inv_dom_egid_txpt        0x0             disc_vft_hop_cnt_1
        0x0
S:disc_classf           0x0             disc_fcp_cdb_inv        0x0
S:disc_vfid_trap_enabled        0x0
disc_vfid_hdr_chk_fail  0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_ftb_vm_mode      0x0             disc_ftb_agn_t2_miss    0x0
S:disc_ecb_de_pad_err   0x0             disc_ecb_de_tag_err     0x0
S:disc_ecb_de_seq_err   0x0             disc_ecb_err            0x0
S:disc_ftb_type4_match  0x0             disc_fcp_rsp_ftb_type4  0x0
S:disc_fcp_rsp_ftb_type4        0x0             disc_ftb_type5_match
        0x0
S:disc_ftb_type3_match  0x0             disc_els_ftb_type3      0x0
S:disc_ftb_type1_match  0x0             disc_els_rsp_ex_port    0x0
S:disc_inv_drp_dps      0x0             disc_did_lookup_miss    0x0
S:disc_ftb_type2_match  0x0             disc_trpd_plogi_pdisc   0x0
S:disc_type2_lookup_miss        0x0             disc_ftb_type6_match
        0x0
S:disc_els_rep_ex_port  0x0             disc_els_sid_lkup_bit1  0x0
S:disc_els_sid_lkup_bit0        0x0
disc_bls_frm_trap_bit1  0x0
S:disc_ftb_token_err    0x0             disc_asic_internal_err  0x0
S:disc_hard_zone_miss   0x0             disc_lun_zone_miss      0x0
S:disc_flt_frame_disc   0x0             disc_flt_parity_err     0x0
S:disc_frame_marked_du  0x0             disc_frame_marked_to    0x0
E:Connection type: FE
E:Port type: F_port
E:Trunk port: No
E:Configured Speed: AUTO_SPEED_NEGO
E:Max Capable Speed: 32G
E:Current SNSM Speed: UNDEFINED
E:Hardware TX Speed: 32G (0x00000004)
E:Hardware RX Speed: 32G (0x00000040)
E:
E:Interrupts:   0           Link_failure:       0
Loss_of_sync:   0           Loss_of_sig:        0
E:Lli:          0           Invalid_word:       0
E:trapped_frm:  0           fwd_status_ok:      0
E:fwd_timeout:  0           fwd_tx_unavail:     0
E:fwd_unroutable:       0           fwd_zone_out:       0
E:fwd_other_err:        0           frm_err_discard:    0
E:Fltr listA:   0           Fltr listB:         0
E:Zone trap fwd:        0           Zone trap disc:     0
E:shim_csum:    0           RTE_perr:           0
E:Invalid_crc:  0           Delim_err:          0
E:Protocol_err: 0
E:Lr_in:        0           Lr_out:             0
E:Ols_in:       0           Ols_out:            0


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```

```
                FILTER DATA
                -----------
Shadow settings:
   Filter Enable: 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass: 0x00000000
Real settings:
   Enable RAM: 0x00000000, 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
```

```
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass RAM: 0x00000000

Shadowed filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        c4_fldenable[0] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[0] = 0x00000000,c4_fltr_config[0] = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        c4_fldenable[1] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[1] = 0x00000000,c4_fltr_config[1] = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        c4_fldenable[2] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[2] = 0x00000000,c4_fltr_config[2] = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        c4_fldenable[3] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[3] = 0x00000000,c4_fltr_config[3] = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        c4_fldenable[4] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[4] = 0x00000000,c4_fltr_config[4] = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        c4_fldenable[5] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[5] = 0x00000000,c4_fltr_config[5] = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        c4_fldenable[6] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[6] = 0x00000000,c4_fltr_config[6] = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        c4_fldenable[7] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[7] = 0x00000000,c4_fltr_config[7] = 0x00000000
```

```
Filter 8: Not Installed (FICON CUP)(LISTA)
        c4_fldenable[8] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[8] = 0x00000000,c4_fltr_config[8] = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        c4_fldenable[9] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[9] = 0x00000000,c4_fltr_config[9] = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        c4_fldenable[10] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[10] = 0x00000000,c4_fltr_config[10] =
0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        c4_fldenable[11] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[11] = 0x00000000,c4_fltr_config[11] =
0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        c4_fldenable[12] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[12] = 0x00000000,c4_fltr_config[12] =
0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        c4_fldenable[13] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[13] = 0x00000000,c4_fltr_config[13] =
0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        c4_fldenable[14] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[14] = 0x00000000,c4_fltr_config[14] =
0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        c4_fldenable[15] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[15] = 0x00000000,c4_fltr_config[15] =
0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        c4_fldenable[16] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[16] = 0x00000000,c4_fltr_config[16] =
0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        c4_fldenable[17] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[17] = 0x00000000,c4_fltr_config[17] =
0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        c4_fldenable[18] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[18] = 0x00000000,c4_fltr_config[18] =
0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
```

```
        c4_fldenable[19] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[19] = 0x00000000,c4_fltr_config[19] =
0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        c4_fldenable[20] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[20] = 0x00000000,c4_fltr_config[20] =
0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        c4_fldenable[21] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[21] = 0x00000000,c4_fltr_config[21] =
0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        c4_fldenable[22] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[22] = 0x00000000,c4_fltr_config[22] =
0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        c4_fldenable[23] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[23] = 0x00000000,c4_fltr_config[23] =
0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        c4_fldenable[24] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[24] = 0x00000000,c4_fltr_config[24] =
0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        c4_fldenable[25] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[25] = 0x00000000,c4_fltr_config[25] =
0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        c4_fldenable[26] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[26] = 0x00000000,c4_fltr_config[26] =
0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        c4_fldenable[27] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[27] = 0x00000000,c4_fltr_config[27] =
0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        c4_fldenable[28] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[28] = 0x00000000,c4_fltr_config[28] =
0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        c4_fldenable[29] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[29] = 0x00000000,c4_fltr_config[29] =
0x00000000
```

```
Filter 30: Not Installed (IPM1)(LISTA)
        c4_fldenable[30] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[30] = 0x00000000,c4_fltr_config[30] =
0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        c4_fldenable[31] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[31] = 0x00000000,c4_fltr_config[31] =
0x00000000


Real filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
```

```
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
```

```
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000

Filter dirty indicator: 0x00000000
Performance filters: 0
Port Mirror filters: 0 (0x0)


               FIELD DATA
               ----------

Shadowed fields:

fldoffset[0] = 0x00,fldmask[0] = 0x00,fldvalue_dyna[0]:0x00 0x00
0x00 0x00
fldcontrol[0].inuse = 0x0  fldcontrol[0].refcnt = 0x00 0x00 0x00
0x00
fldoffset[1] = 0x00,fldmask[1] = 0x00,fldvalue_dyna[1]:0x00 0x00
0x00 0x00
fldcontrol[1].inuse = 0x0  fldcontrol[1].refcnt = 0x00 0x00 0x00
0x00
fldoffset[2] = 0x00,fldmask[2] = 0x00,fldvalue_dyna[2]:0x00 0x00
```

0x00 0x00
fldcontrol[2].inuse = 0x0 fldcontrol[2].refcnt = 0x00 0x00 0x00
0x00
fldoffset[3] = 0x00,fldmask[3] = 0x00,fldvalue_dyna[3]:0x00 0x00
0x00 0x00
fldcontrol[3].inuse = 0x0 fldcontrol[3].refcnt = 0x00 0x00 0x00
0x00
fldoffset[4] = 0x00,fldmask[4] = 0x00,fldvalue_dyna[4]:0x00 0x00
0x00 0x00
fldcontrol[4].inuse = 0x0 fldcontrol[4].refcnt = 0x00 0x00 0x00
0x00
fldoffset[5] = 0x00,fldmask[5] = 0x00,fldvalue_dyna[5]:0x00 0x00
0x00 0x00
fldcontrol[5].inuse = 0x0 fldcontrol[5].refcnt = 0x00 0x00 0x00
0x00
fldoffset[6] = 0x00,fldmask[6] = 0x00,fldvalue_dyna[6]:0x00 0x00
0x00 0x00
fldcontrol[6].inuse = 0x0 fldcontrol[6].refcnt = 0x00 0x00 0x00
0x00
fldoffset[7] = 0x00,fldmask[7] = 0x00,fldvalue_dyna[7]:0x00 0x00
0x00 0x00
fldcontrol[7].inuse = 0x0 fldcontrol[7].refcnt = 0x00 0x00 0x00
0x00
fldoffset[8] = 0x00,fldmask[8] = 0x00,fldvalue_dyna[8]:0x00 0x00
0x00 0x00
fldcontrol[8].inuse = 0x0 fldcontrol[8].refcnt = 0x00 0x00 0x00
0x00
fldoffset[9] = 0x00,fldmask[9] = 0x00,fldvalue_dyna[9]:0x00 0x00
0x00 0x00
fldcontrol[9].inuse = 0x0 fldcontrol[9].refcnt = 0x00 0x00 0x00
0x00
fldoffset[10] = 0x00,fldmask[10] = 0x00,fldvalue_dyna[10]:0x00 0x00
0x00 0x00
fldcontrol[10].inuse = 0x0 fldcontrol[10].refcnt = 0x00 0x00 0x00
0x00
fldoffset[11] = 0x00,fldmask[11] = 0x00,fldvalue_dyna[11]:0x00 0x00
0x00 0x00
fldcontrol[11].inuse = 0x0 fldcontrol[11].refcnt = 0x00 0x00 0x00
0x00
fldoffset[12] = 0x00,fldmask[12] = 0x00,fldvalue_dyna[12]:0x00 0x00
0x00 0x00
fldcontrol[12].inuse = 0x0 fldcontrol[12].refcnt = 0x00 0x00 0x00
0x00
fldoffset[13] = 0x00,fldmask[13] = 0x00,fldvalue_dyna[13]:0x00 0x00
0x00 0x00
fldcontrol[13].inuse = 0x0 fldcontrol[13].refcnt = 0x00 0x00 0x00
0x00
fldoffset[14] = 0x00,fldmask[14] = 0x00,fldvalue_dyna[14]:0x00 0x00
0x00 0x00
fldcontrol[14].inuse = 0x0 fldcontrol[14].refcnt = 0x00 0x00 0x00
0x00
fldoffset[15] = 0x00,fldmask[15] = 0x00,fldvalue_dyna[15]:0x00 0x00
0x00 0x00
fldcontrol[15].inuse = 0x0 fldcontrol[15].refcnt = 0x00 0x00 0x00

```
0x00
fldoffset[16] = 0x00,fldmask[16] = 0x00,fldvalue_dyna[16]:0x00 0x00
0x00 0x00
fldcontrol[16].inuse = 0x0  fldcontrol[16].refcnt = 0x00 0x00 0x00
0x00
fldoffset[17] = 0x00,fldmask[17] = 0x00,fldvalue_dyna[17]:0x00 0x00
0x00 0x00
fldcontrol[17].inuse = 0x0  fldcontrol[17].refcnt = 0x00 0x00 0x00
0x00
fldoffset[18] = 0x00,fldmask[18] = 0x00,fldvalue_dyna[18]:0x00 0x00
0x00 0x00
fldcontrol[18].inuse = 0x0  fldcontrol[18].refcnt = 0x00 0x00 0x00
0x00
fldoffset[19] = 0x00,fldmask[19] = 0x00,fldvalue_dyna[19]:0x00 0x00
0x00 0x00
fldcontrol[19].inuse = 0x0  fldcontrol[19].refcnt = 0x00 0x00 0x00
0x00

Real fields:

fldoffset RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fldmask RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fld value4 RAM:
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
Field dirty indicator: 0x00000000

FDB reference count fdb: 0 [0 0 0 0 ]
FDB reference count fdb: 1 [0 0 0 0 ]
FDB reference count fdb: 2 [0 0 0 0 ]
FDB reference count fdb: 3 [0 0 0 0 ]
FDB reference count fdb: 4 [0 0 0 0 ]
FDB reference count fdb: 5 [0 0 0 0 ]
FDB reference count fdb: 6 [0 0 0 0 ]
```

```
FDB reference count fdb: 7 [0 0 0 0 ]
FDB reference count fdb: 8 [0 0 0 0 ]
FDB reference count fdb: 9 [0 0 0 0 ]
FDB reference count fdb: 10 [0 0 0 0 ]
FDB reference count fdb: 11 [0 0 0 0 ]
FDB reference count fdb: 12 [0 0 0 0 ]
FDB reference count fdb: 13 [0 0 0 0 ]
FDB reference count fdb: 14 [0 0 0 0 ]
FDB reference count fdb: 15 [0 0 0 0 ]
FDB reference count fdb: 16 [0 0 0 0 ]
FDB reference count fdb: 17 [0 0 0 0 ]
FDB reference count fdb: 18 [0 0 0 0 ]
FDB reference count fdb: 19 [0 0 0 0 ]

Filter counters:
   Filter counter 0: 0  (MIRROR1)
   Filter counter 1: 0  (MIRROR2)
   Filter counter 2: 0  (MIRROR3)
   Filter counter 3: 0  (MIRROR4)
   Filter counter 4: 0  (AEPORT_NON_MIRR_DROP)
   Filter counter 5: 0  (ZONING TRAP)
   Filter counter 6: 0  (FCR_EXPORT_DC)
   Filter counter 7: 0  (TIN TRAP)
   Filter counter 8: 0  (FICON CUP)
   Filter counter 9: 0  (FICON CUP DST)
   Filter counter 10: 0 (WELL KNOWN ADDR)
   Filter counter 11: 0 (SIM)
   Filter counter 12: 0 (UNUSED)
   Filter counter 13: 0 (UNUSED)
   Filter counter 14: 0 (UNUSED)
   Filter counter 15: 0 (UNUSED)
   Filter counter 16: 0 (PERF1)
   Filter counter 17: 0 (PERF2)
   Filter counter 18: 0 (PERF3)
   Filter counter 19: 0 (PERF4)
   Filter counter 20: 0 (PERF5)
   Filter counter 21: 0 (PERF6)
   Filter counter 22: 0 (PERF7)
   Filter counter 23: 0 (PERF8)
   Filter counter 24: 0 (PERF9)
   Filter counter 25: 0 (PERF10)
   Filter counter 26: 0 (PERF11)
   Filter counter 27: 0 (PERF12)
   Filter counter 28: 0 (OPM1)
   Filter counter 29: 0 (OPM2)
   Filter counter 30: 0 (IPM1)
   Filter counter 31: 0 (IPM2)

                ACL DATA
                --------
Logical port 19: Hard Zoning disabled, Soft Zoning disabled
Zone type: WWN Zoning
Frames with hard zone miss: 0
```

```
*** Please use filterportshow on user port 56 to display ACL hash
tables and Mirroring resources of thischip.
 ***We show this data only for the first physical port which is an
exernal port.

portFcPortCmdShow --slot 0 47 3
doing portFcPortCmdShow: arg1 = 3, arg2 = -2

portshow 47
portDisableReason: None
portCFlags: 0x1
portFlags: 0x1   PRESENT U_PORT
LocalSwcFlags: 0x0
portType:  26.0
POD Port: Port is licensed
portState: 2    Offline
Protocol: FC
portPhys:  4    No_Light        portScn:   2    Offline
port generation number:    0
state transition count:    1

portId:    012f00
portIfId:    43020010
portWwn:   20:2f:d8:1f:cc:2c:99:90
portWwn of device(s) connected:
16b Area list:
Distance:  normal
portSpeed: N32Gbps

FEC: Inactive
Credit Recovery: Inactive
LE domain: 0
Peer beacon: Off
FC Fastwrite: OFF
Interrupts:        0          Link_failure: 0          Frjt:
0
Unknown:           0          Loss_of_sync: 0          Fbsy:
0
Lli:               0          Loss_of_sig:  0
Proc_rqrd:         0          Protocol_err: 0
Timed_out:         0          Invalid_word: 0
Tx_unavail:        0          Invalid_crc:  0
Delim_err:         0          Address_err:  0
Lr_in:             0          Ols_in:       0
Lr_out:            0          Ols_out:      0


portloginshow 47
Type  PID     World Wide Name        credit df_sz cos
=====================================================


portloginshow 47 -history
 Type  PID      World Wide Name           logout time
```

```
============================================================


portregshow 47

LED registers
=============
0x81c82000: c4_led_status           00000000    0x81c82004:
c4_led_ctl              00000000

FPL registers
=============
0x81c80200: fpl_port_config         23298002
0x81c8020c: fpl_port_id_ctl         00000000    0x81c80210:
fpl_port_id_addr        00012f00
0x81c80214: fpl_port_speed          00000004    0x81c8021c:
fpl_lli_ctl             00000100
0x81c80228: fpl_lli_os_ctl          bc94ffff    0x81c8022c:
fpl_lli_send_word       bc95b5b5
0x81c80230: fpl_lli_mark_rx         00000000    0x81c80234:
fpl_lli_rnd_trip_time   00000000
0x81c80238: fpl_lli_ns_status       00130007    0x81c8023c:
fpl_lli_intr_status     00030007
0x81c80244: fpl_lli_def             00100000    0x81c80254:
fpl_lli_intr_enable_clr 001c0000
0x81c80258: fpl_err_intr_status     00000000    0x81c80260:
fpl_err_intr_enable_clr 00000000
0x81c80268: fpl_err_first_error     00000000    0x81c8026c:
fpl_speed_neg_ctl       00000000
0x81c80270: fpl_speed_neg_stat      00000000    0x81c80274:
fpl_softasn_ctl         0000000f
0x81c80278: fpl_link_init_ctl       00000000    0x81c8027c:
fpl_link_init_stat      00000000
0x81c80280: fpl_aec_ctl             001c1060    0x81c80284:
fpl_aec_ctl2            04009f60
0x81c80288: fpl_pcs_ctl             00000170    0x81c8028c:
fpl_fec_ctl             00000424
0x81c80290: fpl_fec_cor             00000000    0x81c80294:
fpl_fec_uncor           00000000
0x81c80298: fpl_hss_link_ctl        0031f040    0x81c8029c:
fpl_afifo_link_ctl      00000a86
0x81c802a0: fpl_echo_lb_ctl         0000028c    0x81c802a4:
fpl_scratch             00000121
0x81c802a8: fpl_debug               00060005    0x81c802ac:
fpl_misc_debug          00000800
0x00000000: SW_shadow_reg           00000000    0x00000000:
SW_c4_phyp->cfgptr      00030003

per-fpg (per octet) registers
=============================
0x8181382c: fpg_serdes_ctla0        81a37be7    0x81813830:
fpg_serdes_ctla1        81a37be7
0x81813834: fpg_serdes_ctlb0        81a1c3c3    0x81813838:
fpg_serdes_ctlb1        81a1c3c3
```

```
0x8181383c: fpg_serdes_xgmii_1ms    00067c28    0x81813840:
fpg_serdes_regtimctl    40e47946
0x81813844: fpg_serdes_asnrsttimctl 00000102

HSS PLL registers
=============================
0x81811400: 00_hssplla_vco_coarse_cal0      00000000    0x81811404:
01_hssplla_vco_coarse_cal1      00000014
0x81811408: 02_hssplla_vco_coarse_cal2      00000000    0x8181140c:
03_hssplla_vco_coarse_cal3      00000000
0x81811410: 04_hssplla_vco_coarse_cal4      00000000    0x81811424:
09_hssplla_power_ctl            00000000
0x81811428: 0A_hssplla_charge_pump_ctl      00000004    0x81811438:
0E_hssplla_pll_misc_ctl         00000000
0x8181143c: 0F_hssplla_pclk_ctl             000000f8    0x81811440:
10_hssplla_eyem_intv_ctl        00000000
0x81811444: 11_hssplla_eyem_intv_lim1       00000000    0x81811448:
12_hssplla_eyem_intv_lim2       00000000
0x8181144c: 13_hssplla_eyem_intv_lim3       00000000    0x81811450:
14_hssplla_eyem_intv_lim4       00000000
0x818114f0: 3C_hssplla_macro_tst_ctl4       00000000    0x818114f4:
3D_hssplla_macro_tst_ctl3       00000000
0x818114f8: 3E_hssplla_macro_tst_ctl2       00000000    0x818114fc:
3F_hssplla_macro_tst_ctl1       00000000
0x81811500: 00_hssp1lb_vco_coarse_cal0      0000000a    0x81811504:
01_hssp1lb_vco_coarse_cal1      00000014
0x81811508: 02_hssp1lb_vco_coarse_cal2      00000000    0x8181150c:
03_hssp1lb_vco_coarse_cal3      00000000
0x81811510: 04_hssp1lb_vco_coarse_cal4      00000000    0x81811524:
09_hssp1lb_power_ctl            00000000
0x81811528: 0A_hssp1lb_charge_pump_ctl      00000004    0x81811538:
0E_hssp1lb_pll_misc_ctl         00000000
0x8181153c: 0F_hssp1lb_pclk_ctl             000000f8    0x81811540:
10_hssp1lb_eyem_intv_ctl        00000000
0x81811544: 11_hssp1lb_eyem_intv_lim1       00000000    0x81811548:
12_hssp1lb_eyem_intv_lim2       00000000
0x8181154c: 13_hssp1lb_eyem_intv_lim3       00000000    0x81811550:
14_hssp1lb_eyem_intv_lim4       00000000
0x818115f0: 3C_hssp1lb_macro_tst_ctl4       00000000    0x818115f4:
3D_hssp1lb_macro_tst_ctl3       00000000
0x818115f8: 3E_hssp1lb_macro_tst_ctl2       00000000    0x818115fc:
3F_hssp1lb_macro_tst_ctl1       00000000

HSS TX registers
================
0x81810000: 00_hsstx_cfg_mode_PHY           00009f48    0x81810004:
01_hsstx_test_ctl               00000000
0x81810008: 02_hsstx_coeff_ctl_INV          00000000    0x8181000c:
03_hsstx_drv_mode_ctl           00000000
0x81810010: 04_hsstx_drv_ovrd_ctl           00000010    0x81810014:
05_hsstx_dclk_align_ovrd        00000080
0x81810018: 06_hsstx_imp_cal_ovrd           00000c0c    0x8181001c:
07_hsstx_dclk_drift_tol         00000004
0x81810020: 08_hsstx_tap0_coeff_TUNE        00000000    0x81810024:
```

```
09_hsstx_tap1_coeff_TUNE        00000003
0x81810028: 0A_hsstx_tap2_coeff_TUNE        00000019    0x8181002c:
0B_hsstx_tap3_coeff_TUNE        00000003
0x81810034: 0D_hsstx_pol_INV                00000004    0x81810038:
0E_hsstx_ae_cmd                 00000000
0x8181003c: 0F_hsstx_ae_stat                00000000    0x81810040:
10_hsstx_ae_tap0_TUNE           00000000
0x81810044: 11_hsstx_ae_tap1_TUNE           00000000    0x81810048:
12_hsstx_ae_tap2_TUNE           00000028
0x8181004c: 13_hsstx_ae_tap3_TUNE           00000000    0x81810054:
15_hsstx_app_tune               0000120e
0x81810058: 16_hsstx_analog_diag            00000000    0x81810060:
18_hsstx_4x_seg_app             0000aa00
0x81810064: 19_hsstx_2x_seg_app             000000aa    0x81810068:
1A_hsstx_1x_seg_app             0000f5e4
0x8181006c: 1B_hsstx_seg_4x_term_app        0000000f    0x81810070:
1C_hsstx_seg_2x1x_term_app      00000001
0x81810074: 1D_hsstx_tap_sign_app           00000004    0x81810078:
1E_hsstx_ext_addr_data          00000001
0x8181007c: 1F_hsstx_ext_addr_addr          00000000    0x81810080:
20_hsstx_pat_buf_bytes_1_0      00000000
0x81810084: 21_hsstx_pat_buf_bytes_3_2      00000000    0x81810088:
22_hsstx_pat_buf_bytes_5_4      00000000
0x8181008c: 23_hsstx_pat_buf_bytes_7_6      00000000    0x8181009c:
27_hsstx_8023az_ctl             00000000
0x818100a0: 28_hsstx_dcc_ctl                000060c0    0x818100a4:
29_hsstx_dcc_ovrd               00000000
0x818100a8: 2A_hsstx_dcc_app                00000000    0x818100ac:
2B_hsstx_dcc_timeout            0000ffff
0x818100c0: 30_hsstx_tap_sign_ovrd          00000000    0x818100c8:
32_hsstx_seg_4x_ovrd            00000000
0x818100cc: 33_hsstx_seg_2x_ovrd            00000000    0x818100d0:
34_hsstx_seg_1x_ovrd            00000000
0x818100d8: 36_hsstx_tap_seg_4x_term_ovrd   00000000    0x818100dc:
37_hsstx_tap_seg_2x_term_ovrd   00000000
0x818100e0: 38_hsstx_tap_seg_1x_term_ovrd   00000000    0x818100ec:
3B_hsstx_mac_test_ctl5          00000000
0x818100f0: 3C_hsstx_mac_test_ctl4          00000000    0x818100f4:
3D_hsstx_mac_test_ctl3          00000000
0x818100f8: 3E_hsstx_mac_test_ctl2          00000000    0x818100fc:
3F_hsstx_mac_test_ctl1          000000c6

HSS RX registers
================
0x81810200: 00_hssrx_cfg_mode_PHY           00009e78    0x81810204:
01_hssrx_test_ctl               00000000
0x81810208: 02_hssrx_phs_rot_ctl            0000cb80    0x8181020c:
03_hssrx_phs_rot_ofs_ctl        00000610
0x81810210: 04_hssrx_phs_rot_posn1          00000201    0x81810214:
05_hssrx_phs_rot_posn2          00000031
0x81810218: 06_hssrx_phs_rot_sta_ofs1       00000101    0x8181021c:
07_hssrx_phs_rot_sta_ofs2       00000000
0x81810220: 08_hssrx_dfe_ctl_PHY            00002002    0x81810224:
09_hssrx_dfe_smpl_snap1         00000000
```

```
0x81810228: 0A_hssrx_dfe_smpl_snap2         00008000    0x8181022c:
0B_hssrx_vga_ctl1               00004001
0x81810230: 0C_hssrx_vga_ctl2               00007aa0    0x81810234:
0D_hssrx_vga_ctl3               000009e4
0x81810238: 0E_hssrx_pwr_mgmnt_ctl          0000001f    0x8181023c:
0F_hssrx_iqamp_ctl1             0000001b
0x81810240: 10_hssrx_iqamp_ctl2             00000001    0x81810244:
11_hssrx_dacap_dacan_sel        00000003
0x81810248: 12_hssrx_dacap_dacan            00000000    0x8181024c:
13_hssrx_daca_min               00000000
0x81810250: 14_hssrx_adac_ctl               00000000    0x81810254:
15_hssrx_ac_cp_ctl              000031c3
0x81810258: 16_hssrx_ac_cp_val              00000051    0x8181025c:
17_hssrx_dfe_h1h2h3_lcl_off_ch  00000014
0x81810260: 18_hssrx_dfe_h1h2h3_lcl_off_val 00000000    0x81810264:
19_hssrx_peaked_intg            000000ff
0x81810268: 1A_hssrx_cdr_analog_sw          0000ce00    0x8181026c:
1B_hssrx_peaking_amp_init_c_PHY 00000000
0x81810270: 1C_hssrx_dac_dpc                00000040    0x81810274:
1D_hssrx_ddc                    00000000
0x81810278: 1E_hssrx_int_stat_PHY           00000c0f    0x8181027c:
1F_hssrx_dfe_func_ctl1_PHY      0000ffff
0x81810280: 20_hssrx_dfe_func_ctl2_INV      00007eff    0x81810284:
21_hssrx_ofs_ch_dcc_qcc_idx     00002000
0x81810288: 22_hssrx_dfe_ofs_val            0000027b    0x8181028c:
23_hssrx_h_coeff_bist           00000401
0x81810290: 24_hssrx_ac_cap_bist            00000000    0x81810294:
25_hssrx_max_gain_path_idx_res  00007800
0x81810298: 26_hssrx_loff_ctl               00000040    0x8181029c:
27_hssrx_sigdet_ctl             00002a80
0x818102a0: 28_hssrx_ana_ctl_sw             00000000    0x818102a4:
29_hssrx_intg_dac_ofs           0000e0de
0x818102a8: 2A_hssrx_eye_ctl                00000000    0x818102ac:
2B_hssrx_eye_met                00000004
0x818102b0: 2C_hssrx_eye_met_err_cnt        00000000    0x818102b4:
2D_hssrx_eye_met_pdf_eyec       00000000
0x818102b8: 2E_hssrx_eye_met_pat_len        0000007f    0x818102bc:
2F_hssrx_dfe_func_ctl3          0000dfff
0x818102c0: 30_hssrx_dfe_tap_ctl_idx_ptr    00000008    0x818102c4:
31_hssrx_dfe_tap                00003030
0x818102c8: 32_hssrx_lte_ctl_TUNE           00001601    0x818102e4:
39_hssrx_int_stat2              0000c1ff
0x818102e8: 3A_hssrx_ac_cpl_cur_src_adj     00000041    0x818102ec:
3B_hssrx_dcd_ctl                00007c47
0x818102f0: 3C_hssrx_dcc_ctl                00000d82    0x818102f4:
3D_hssrx_qcc_ctl                00006983
0x818102f8: 3E_hssrx_mac_test_ctl2          00000000    0x818102fc:
3F_hssrx_mac_test_ctl1          00000000
0x81810248: 12_hssrx_dacap_dacan[02]                00fe 0000
0x81810260: 18_hssrx_dfe_h1h2h3_lcl_off_va[00]      0000 0000   0000
0000   0000 0000   0000 0000
0x81810260: 18_hssrx_dfe_h1h2h3_lcl_off_va[08]      0000 0000   0000
0000   0000 0000   0000 0000
0x81810260: 18_hssrx_dfe_h1h2h3_lcl_off_va[16]      0000 0000   0000
```

```
0000   0000
0x81810288: 22_hssrx_dfe_ofs_val[00][00]           027b 7f00   7f09
7f7f   017a 7f00
0x81810288: 22_hssrx_dfe_ofs_val[03][00]           7b07 007f   7b79
0000   7d7e 7f00
0x81810288: 22_hssrx_dfe_ofs_val[06][00]           0b05 7f7f   0979
7f00   7a06 007f
0x81810288: 22_hssrx_dfe_ofs_val[09][00]           0603 7f7f   0106
0000   7f7f 0000
0x81810288: 22_hssrx_dfe_ofs_val[12][00]           0501 0000   7f07
0000   0305 0000
0x81810288: 22_hssrx_dfe_ofs_val[15][00]           0107 0000   027d
0000   7e02 0000
0x81810288: 22_hssrx_dfe_ofs_val[18][00]           7b03 0100   0779
0000   007e 0000
0x81810288: 22_hssrx_dfe_ofs_val[21][00]           007e 0000   007e
0000   007e 0000
0x81810288: 22_hssrx_dfe_ofs_val[24][00]           7f07 007f   7a7d
017f   757a 0000
0x81810294: 25_hssrx_max_gain_path_idx_res[00]     005d 0858   1103
1887   20e0 28aa   308b 3800
0x81810294: 25_hssrx_max_gain_path_idx_res[08]     40c0 4890   5079
5800   6040 6800   70fd 7800
0x818102c4: 31_hssrx_dfe_tap[00]                   fffe 8080   0000
0000   0030 0030   3030 3030
0x818102c4: 31_hssrx_dfe_tap[08]                   3030 3030   3030
0000
0x818102e8: 3A_hssrx_ac_cpl_cur_src_adj[00]        0041 0041   0041
0041
0x818102ec: 3B_hssrx_dcd_ctl[00]                   7c47 5c00   7c41
5c00   7c00
0x818102f0: 3C_hssrx_dcc_ctl[00]                   0d82 0d81   0d82
0d43
0x818102f4: 3D_hssrx_qcc_ctl[00]                   6945 6983

xfipcs, fec, aec, & aet registers
=================================
0x81c80400: xfipcs_reg              [00] 00002040 00000080 00000000
00000000    00000001 00000008 00000000 00000000
0x81c80420: xfipcs_reg              [08] 00008401 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c80440: xfipcs_reg              [16] 00000000 00000000 00000000
00000000    00000040 00000000 00000000 00000000
0x81c80460: xfipcs_reg              [24] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c80480: xfipcs_reg              [32] 00000004 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c80620: fec_32g_128g_reg        [08] 00000000 00008003 00000000
00000000    00000000 00000000 00000000
0x81c80648: fec_32g_128g_reg        [18] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c80a00: aec_reg                 [00] 00000000 00000000 00000000
00000000    00000040 00000000 00000000 00002490
0x81c80c00: aet_reg                 [00] 000000b0 00007000 000008c4
```

```
00000000    00000000

bbc registers
=============
0x81c81800: bbc_trc                 0    0    0    0    0    0    0
0
0x81c81840: bbc_trc                 0    0    0    0    0    0    0
0
0x81c81880: bbc_trc                 0    0    0    0    0    0    0
0
0x81c818c0: bbc_trc                 0    0    0    0    0    0    0
0
0x81c81900: bbc_trc                 0    0    0    0    0    0    0
0
0x81c81804: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c81844: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c81884: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c818c4: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c81904: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c81a00: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c81a20: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c81a40: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c81a60: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c81a80: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c81c00: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c81c20: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c81c40: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c81c60: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c81c80: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c81d00: bbc_fbpc                00000000    0x81c81d04: bbc_csc
00000000
0x81c81d08: bbc_rcc_inc             00000000    0x81c81d0c:
bbc_rqc_inc             00000000
0x81c81d10: bbc_fbpc_inc            00000000    0x81c81d14:
bbc_tmc_inc             00000000
0x81c81d18: bbc_threshold           00080100    0x81c81d1c:
bbc_counter_clr         00000000
0x81c81d20: bbc_debug_en            00000000    0x81c81d24: bbc_ctrl
00200120
```

```
0x81c81d28: bbc_rqc_rcc_thresh      00000055    0x81c81d34:
bbc_bb_sc_n             00000000
0x81c81d38: bbc_crd_reco_debug      00000000    0x81c81d3c:
bbc_crd_reco_debug_data 00000000
0x81c81d40: bbc_multi_frm_loss_cnt  00000000    0x81c81d44:
bbc_multi_rdy_loss_cnt  00000000
0x81c81d48: bbc_1frm_loss_recov_cnt 00000000    0x81c81d4c:
bbc_1rdy_loss_recov_cnt 00000000
0x81c81d58: bbc_int_status          00000000    0x81c81d5c:
bbc_int_set             00000000
0x81c81d60: bbc_int_first           00000000    0x81c81d64:
bbc_frm_rdy_rx_err_addr 00000000
0x81c81d68: bbc_frm_rdy_tx_err_addr 00000000    0x81c81d6c:
bbc_trc_mbc_err_addr    00000000
0x81c81d70: bbc_frm_rdy_rx_dbl_ecc  00000000    0x81c81d74:
bbc_frm_rdy_tx_dbl_ecc  00000000
0x81c81d78: bbc_trc_mbc_dbl_ecc     00000000
0x81c81d7c: bbc_fsm_status          00001011    0x81c81d80:
bbc_force_err           00000000
0x81c81d84: bbc_crdt_avail0         00000000    0x81c81d88:
bbc_crdt_avail1         00000000
0x81c81d8c: bbc_scratch             00000000

FPS registers
=============
0x81c80004: fps_er_enc_in           00000000    0x81c80008:
fps_er_crc              00000000
0x81c8000c: fps_er_trunc            00000000    0x81c80010:
fps_er_toolong          00000000
0x81c80014: fps_er_bad_eof          00000000    0x81c80018:
fps_er_enc_out          00000000
0x81c8001c: fps_er_bad_os           00000000    0x81c80020:
fps_er_flush            00000000
0x81c80024: fps_er_ifg              00000000    0x81c80038:
fps_er_crc_good_eof     00000000
0x81c8003c: fps_inv_arb             00000000    0x81c80040:
fps_slow_sts_status     00000000
0x81c80044: fps_tx_frm_cnt          00000000    0x81c80048:
fps_rx_frm_cnt          00000000
0x81c80050: fps_tx_word_cnt_hi      00000000    0x81c8004c:
fps_tx_word_cnt_lo      00000000
0x81c80058: fps_rx_word_cnt_hi      00000000    0x81c80054:
fps_rx_word_cnt_lo      00000000

BAL registers
=============
0x81c87000: bal_desired_buf         00000000    0x81c87004:
bal_alloc_buf           00000000
0x81c87008: bal_busy_buf            00000000    0x81c8700c:
bal_usable_buf          00000000
0x81c87010: bal_max_bor_buf         00000000
0x81c87014: bal_busy_buf_thresh     00000002

TXQ registers
```

```
=============
0x81c83004: txq_phys_port_ctl       00400000
0x81c83050: txq_link_skew           00000000
0x81c83068: txq_cr_lk_dttn_intr_sts [00] 00000000 00000000
0x81c83070: txq_cr_lk_dttn_intr_en  [00] 00000000 00000000
0x81c83024: txq_disc_frm_trap_cnt   00000014

FDS registers
=============
0x81c84000: fds_rxf_ctl             00000002    0x81c84004:
fds_rxf_wait_thresh     00000909
0x81c84018: fds_rxf_first_error     00000000    0x81c8401c:
fds_rxf_first_error_info00000000
0x81c84020: fds_rxf_inout_pkt_cnt   00000000
0x81c84008: fds_rxf_err_int_status  00000000    0x81c84024:
fds_rxf_fifo_status     00888888
0x81c85000: fds_txf_ctl             0000003a    0x81c85004:
fds_txf_wait_ifg_thresh 00a00106
0x81c85008: fds_txf_err_int_status  00000000    0x81c85024:
fds_txf_fifo_status     00088888
0x81c8502c: fds_txf_bbc_scs         00000000

Logical TXQ registers
=====================
0x81c83000: txq_log_port_ctl        00000002    0x81c83008:
txq_port_status         00000000
0x81c8300c: txq_todo_flags          [00] 00000000 00000000
0x81c83014: txq_spd_match_desc      [00] 00000000 00000000 00000000
00000000
0x81c83024: txq_spd_match_desc      [04] 00000014
0x81c83028: txq_vc_weight           [00] 01010101 01010101 01010101
01010101
0x81c83038: txq_vc_weight           [04] 01010101 01010101 01010101
01010101
0x81c83048: txq_vc_weight           [08] 01010101 00010101
0x81c83054: txq_cong_dttn_ctrl      00000106
0x81c83058: txq_cong_dttn_intr_sts  [00] 00000000 00000000
0x81c83060: txq_cong_dttn_intr_en   [00] 00000000 00000000
0x81c83078: txq_bw_limit_en_reg     [00] 00000000 00000000
0x81c83080: txq_bw_gua_en_reg       [00] 00000000 00000000
0x81c83088: txq_vc_group            [00] 03030300 03030303 03030303
03030303
0x81c83098: txq_vc_group            [04] 03030303 03030303 03030303
03030303
0x81c830a8: txq_vc_group            [08] 03030303 03030303 00000000
00000000
0x81c830b0: txq_bw_thresh_group     [00] 00000000 00000000 00000000
00000000
0x81c830c0: txq_bw_thresh_group     [04] 00000000 00000000 00000000
00000000
0x81c830d0: txq_bw_thresh_group     [08] 00000000 00000000 00000000
00000000
0x81c830e0: txq_bw_thresh_group     [12] 00000000 00000000 00000000
00000000
```

```
0x81c830f0: txq_bw_thresh_group     [16] 00000000 00000000 00000000
00000000
0x81c83100: txq_bw_thresh_group     [20] 00000000 00000000 00000000
00000000
0x81c83110: txq_bw_thresh_group     [24] 00000000 00000000 00000000
00000000
0x81c83120: txq_bw_thresh_group     [28] 00000000 00000000 00000000
00000000
0x81c83130: txq_bw_thresh_group     [32] 00000000 00000000 00000000
00000000
0x81c83140: txq_bw_thresh_group     [36] 00000000 00000000 00000000
00000000

txq Congestion detection Statistics RAM
=======================================
0x81090a00: vc[0]       00000000        0x81090a04: vc[1]
00000000
0x81090a08: vc[2]       00000000        0x81090a0c: vc[3]
00000000
0x81090a10: vc[4]       00000000        0x81090a14: vc[5]
00000000
0x81090a18: vc[6]       00000000        0x81090a1c: vc[7]
00000000
0x81090a20: vc[8]       00000000        0x81090a24: vc[9]
00000000
0x81090a28: vc[10]      00000000        0x81090a2c: vc[11]
00000000
0x81090a30: vc[12]      00000000        0x81090a34: vc[13]
00000000
0x81090a38: vc[14]      00000000        0x81090a3c: vc[15]
00000000
0x81090a40: vc[16]      00000000        0x81090a44: vc[17]
00000000
0x81090a48: vc[18]      00000000        0x81090a4c: vc[19]
00000000
0x81090a50: vc[20]      00000000        0x81090a54: vc[21]
00000000
0x81090a58: vc[22]      00000000        0x81090a5c: vc[23]
00000000
0x81090a60: vc[24]      00000000        0x81090a64: vc[25]
00000000
0x81090a68: vc[26]      00000000        0x81090a6c: vc[27]
00000000
0x81090a70: vc[28]      00000000        0x81090a74: vc[29]
00000000
0x81090a78: vc[30]      00000000        0x81090a7c: vc[31]
00000000
0x81090a80: vc[32]      00000000        0x81090a84: vc[33]
00000000
0x81090a88: vc[34]      00000000        0x81090a8c: vc[35]
00000000
0x81090a90: vc[36]      00000000        0x81090a94: vc[37]
00000000
0x81090a98: vc[38]      00000000        0x81090a9c: vc[39]
```

```
00000000


Logical STS registers
=====================
0x81584c84: sts_ftb_type1_miss      00000000
0x81584c88: sts_ftb_type2_miss      00000000
0x81584c8c: sts_ftb_type6_miss      00000000
0x81584c90: sts_hard_zoning_miss    00000000
0x81584c94: sts_lun_zoning_miss     00000000
0x81584c9c: sts_unroutable          00000000    0x81581cb8:
sts_rte_cl3             00000000        0x81581cbc: sts_rte_link_ctl
00000000        0x81584ca8: sts_tx_timeout          00000000

Logical STS filter registers
=====================
0x81584c00: sts_flt_trig            [00] 00000000 00000000 00000000
00000000
0x81584c10: sts_flt_trig            [04] 00000000 00000000 00000000
00000000
0x81584c20: sts_flt_trig            [08] 00000000 00000000 00000000
00000000
0x81584c30: sts_flt_trig            [12] 00000000 00000000 00000000
00000000
0x81584c40: sts_flt_trig            [16] 00000000 00000000 00000000
00000000
0x81584c50: sts_flt_trig            [20] 00000000 00000000 00000000
00000000
0x81584c60: sts_flt_trig            [24] 00000000 00000000 00000000
00000000
0x81584c70: sts_flt_trig            [28] 00000000 00000000 00000000
00000000
0x81584c80: sts_flt_trig            [32]

Logical STS discard registers
=====================
0x81582740: disc_mcast_wka          00000000    0x81582744:
disc_inv_did            00000000
0x81582748: disc_cl1_cl4            00000000    0x8158274c:
disc_sid_chk_fail       00000000
0x81582750: disc_inv_dom_egid_txpt  00000000    0x81582754:
disc_vft_hop_cnt_1      00000000
0x81582758: disc_classf             00000000    0x8158275c:
disc_fcp_cdb_inv        00000000
0x81582760: disc_vfid_trap_enabled  00000000    0x81582764:
disc_vfid_hdr_chk_fail  00000000
0x81582768: disc_shim_cksum_fail    00000000    0x8158276c:
disc_fed_edit_cmd_err   00000000
0x81582770: disc_ftb_vm_mode        00000000    0x81582774:
disc_ftb_agn_t2_miss    00000000
0x81582778: disc_ecb_reserved       00000000    0x8158277c:
disc_ecb_de_pad_err     00000000
0x81582780: disc_ecb_de_tag_err     00000000    0x81582784:
```

```
disc_ecb_de_seq_err     00000000
0x81582788: disc_ecb_err            00000000    0x8158278c:
disc_ftb_type4_match    00000000
0x81582790: disc_fcp_rsp_ftb_type4  00000000    0x81582794:
disc_ftb_type5_match    00000000
0x81582798: disc_ftb_type3_match    00000000    0x8158279c:
disc_els_ftb_type3      00000000
0x815827a0: disc_ftb_type1_match    00000000    0x815827a4:
disc_els_rsp_ex_port    00000000
0x815827a8: disc_inv_drp_dps        00000000    0x815827ac:
disc_did_lookup_miss    00000000
0x815827b0: disc_ftb_type2_match    00000000    0x815827b4:
disc_trpd_plogi_pdisc   00000000
0x815827b8: disc_type2_lookup_miss  00000000    0x815827bc:
disc_ftb_type6_match    00000000
0x815827c0: disc_els_rep_ex_port    00000000    0x815827c4:
disc_els_sid_lkup_bit1  00000000
0x815827c8: disc_els_sid_lkup_bit0  00000000    0x815827cc:
disc_bls_frm_trap_bit1  00000000
0x815827d0: disc_ftb_token_err      00000000    0x815827d4:
disc_asic_internal_err  00000000
0x815827d8: disc_hard_zone_miss     00000000    0x815827dc:
disc_lun_zone_miss      00000000
0x815827e0: disc_flt_frame_disc     00000000    0x815827e4:
disc_flt_parity_err     00000000
0x815827e8: disc_frame_marked_du    00000000    0x815827ec:
disc_frame_marked_to    00000000
0x815827f0: disc_lkup_rte_prty_err  00000000


portstatsshow 47
stat_wtx                0                   4-byte words transmitted
stat_wrx                0                   4-byte words received
stat_ftx                0                   Frames transmitted
stat_frx                0                   Frames received
stat_c2_frx             0                   Class 2 frames received
stat_c3_frx             0                   Class 3 frames received
stat_lc_rx              0                   Link control frames
received
stat_mc_rx              0                   Multicast frames
received
stat_mc_to              0                   Multicast timeouts
stat_mc_tx              0                   Multicast frames
transmitted
tim_txcrd_z             0                   Time TX Credit Zero
(2.5Us ticks)
tim_txcrd_z_vc  0- 3:  0           0           0           0
tim_txcrd_z_vc  4- 7:  0           0           0           0
tim_txcrd_z_vc  8-11:  0           0           0           0
tim_txcrd_z_vc 12-15:  0           0           0           0
lat_tot_pkt_vc  0- 3:  1           1           1           1
lat_tot_pkt_vc  4- 7:  1           1           1           1
lat_tot_pkt_vc  8-11:  1           1           1           1
lat_tot_pkt_vc 12-15:  1           1           1           1
```

```
lat_hi_time_vc  0- 3:  0           0           0           0
lat_hi_time_vc  4- 7:  0           0           0           0
lat_hi_time_vc  8-11:  0           0           0           0
lat_hi_time_vc 12-15:  0           0           0           0
lat_lo_time_vc  0- 3:  1           1           1           1
lat_lo_time_vc  4- 7:  1           1           1           1
lat_lo_time_vc  8-11:  1           1           1           1
lat_lo_time_vc 12-15:  1           1           1           1
max_latency_vc  0- 3:  1           1           1           1
max_latency_vc  4- 7:  1           1           1           1
max_latency_vc  8-11:  1           1           1           1
max_latency_vc 12-15:  1           1           1           1
latency_dma_ts          09-09-2024 UTC Mon 08:47:25             TXQ
Latency DMA TimeStamp
fec_cor_detected        0                   Count of blocks that
were corrected by FEC
fec_uncor_detected      0                   Count of blocks that
were left uncorrected by FEC
er_enc_in               0                   Encoding errors inside
of frames
er_crc                  0                   Frames with CRC errors
er_trunc                0                   Frames shorter than
minimum
er_toolong              0                   Frames longer than
maximum
er_bad_eof              0                   Frames with bad end-of-
frame
er_enc_out              0                   Encoding error outside
of frames
er_bad_os               0                   Invalid ordered set
er_pcs_blk              0                   PCS block errors
er_rx_c3_timeout        0                   Class 3 receive frames
discarded due to timeout
er_tx_c3_timeout        0                   Class 3 transmit frames
discarded due to timeout
er_unroutable           0                   Frames that are
unroutable
er_unreachable          0                   Frame with unreachable
destination
er_other_discard        0                   Other discards
er_type1_miss           0                   frames with FTB type 1
miss
er_type2_miss           0                   frames with FTB type 2
miss
er_type6_miss           0                   frames with FTB type 6
miss
er_zone_miss            0                   frames with hard zoning
miss
er_lun_zone_miss        0                   frames with LUN zoning
miss
er_crc_good_eof         0                   Crc error with good eof
er_inv_arb              0                   Invalid ARB
er_single_credit_loss   0                   Single vcrdy/frame loss
on link
```

```
er_multi_credit_loss    0                   Multiple vcrdy/frame
loss on link
other_credit_loss       0                   Link timeout/complete
credit loss
phy_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
phy_port stats clear
lgc_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
lgc_port stats clear
fec_corrected_rate      0                   FEC Corrected blocks per
second

portstats64show 47
stat64_wtx      0           top_int : 4-byte words transmitted
                0           bottom_int : 4-byte words transmitted
stat64_wrx      0           top_int : 4-byte words received
                0           bottom_int : 4-byte words received
stat64_ftx      0           top_int : Frames transmitted
                0           bottom_int : Frames transmitted
stat64_frx      0           top_int : Frames received
                0           bottom_int : Frames received
stat64_c2_frx   0           top_int : Class 2 frames received
                0           bottom_int : Class 2 frames received
stat64_c3_frx   0           top_int : Class 3 frames received
                0           bottom_int : Class 3 frames received
stat64_lc_rx    0           top_int : Link control frames received
                0           bottom_int : Link control frames
received
stat64_mc_rx    0           top_int : Multicast frames received
                0           bottom_int : Multicast frames received
stat64_mc_to    0           top_int : Multicast timeouts
                0           bottom_int : Multicast timeouts
stat64_mc_tx    0           top_int : Multicast frames transmitted
                0           bottom_int : Multicast frames
transmitted
tim64_rdy_pri   0           top_int : Time R_RDY high priority
                0           bottom_int : Time R_RDY high priority
tim64_txcrd_z   0           top_int : Time BB_credit zero
                0           bottom_int : Time BB_credit zero
er64_enc_in     0           top_int : Encoding errors inside of
frames
                0           bottom_int : Encoding errors inside of
frames
er64_crc        0           top_int : Frames with CRC errors
                0           bottom_int : Frames with CRC errors
er64_trunc      0           top_int : Frames shorter than minimum
                0           bottom_int : Frames shorter than minimum
er64_toolong    0           top_int : Frames longer than maximum
                0           bottom_int : Frames longer than maximum
er64_bad_eof    0           top_int : Frames with bad end-of-frame
                0           bottom_int : Frames with bad end-of-
frame
er64_enc_out    0           top_int : Encoding error outside of
frames
                0           bottom_int : Encoding error outside of
```

```
frames
er64_disc_c3    0           top_int : Class 3 frames discarded
                0           bottom_int : Class 3 frames discarded
er64_pcs_blk    0           top_int : PCS block errors
                0           bottom_int : PCS block errors
stat64_rateTxFrame      0           Tx frame rate (fr/sec)
stat64_rateRxFrame      0           Rx frame rate (fr/sec)
stat64_rateTxPeakFrame  0           Tx peak frame rate (fr/sec)
stat64_rateRxPeakFrame  0           Rx peak frame rate (fr/sec)
stat64_rateTxWord       0           Tx Word rate (words/sec)
stat64_rateRxWord       0           Rx Word rate (words/sec)
stat64_rateTxPeakWord   0           Tx peak Word rate (words/sec)
stat64_rateRxPeakWord   0           Rx peak Word rate (words/sec)
stat64_PRJTFrames       0           top_int : Number of PRJT frames
returned to this port
                        0           bottom_int : Number of PRJT
frames returned to this port
stat64_PBSYFrames       0           top_int : Number of PBSY frames
returned to this port
                        0           bottom_int : Number of PBSY
frames returned to this port
stat64_inputBuffersFull 0           top_int : Number of occurrences
when all input buffers full
                        0           bottom_int : Number of
occurrences when all input buffers full
stat64_rxClass1Frames   0           top_int : Number of class 1
frames received
                        0           bottom_int : Number of class 1
frames received
stat64_aveTxFrameSize   0           Average Tx Frame size
stat64_aveRxFrameSize   0           Average Rx Frame size
Lr_in           0           top_int
                0           bottom_int
Ols_in          0           top_int
                0           bottom_int
Lr_out          0           top_int
                0           bottom_int
Ols_out         0           top_int
                0           bottom_int
Link_failure    0           top_int
                0           bottom_int
Invalid_CRC     0           top_int
                0           bottom_int
Invalid_word    0           top_int
                0           bottom_int
Protocol_err    0           top_int
                0           bottom_int
Loss_of_sig     0           top_int
                0           bottom_int
Loss_of_sync    0           top_int
                0           bottom_int
er_bad_os       0           top_int : Invalid ordered set
                0           bottom_int: Invalid ordered set
```

```
portrouteshow 47
port address ID: 0x012f00
external unicast routing table:
   0: Embedded
 255: Embedded
internal unicast routing table:
   0: Embedded

portcamshow 47
-------------------------------------------------
Port  SID used  DID used  SID entries  DID entries
47     0         0         000000       000000
-------------------------------------------------

ptbufshow, ptcreditshow, ptdatashow, ptstatsshow 47
S:
S:VF Enable:            1
S:
S:C4 Global Variable:
S:-------------------------------------------------------------------
---------
S:trace_stop:           0
S:
S:C4 Phy Data Pointers: c4_phyp = 0xb6ad4100
S:-------------------------------------------------------------------
---------
S:tnodep                        0xbb83d7e0      pt
        0x43028010
S:proto_phyp            0xb8809000      phy_cfg
0xb6ad5140
S:c4_chp                        0x97e28000      c4_lgcp
0x97f88000
S:c4_phy_regp           0x81c80000      proc_dir
0xb8518d20
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4345678      num_port_timer          12
S:prev_if_id            0x43020010      S:ftx                   0
        tov                     0
S:initialized           1               port_idx                16
S:ui_idx                        47              slot_no
        0
S:blade_idx             16              sw_usr_ports            400
S:unused                        0               intr_debounced
        0
S:aec_status            0x0             reason_code
        0
S:debug                 0x00000004      debug_trc_line          0
S:rxbuf_list_head       0xffffffff      rxbuf_list_tail
0xffffffff
S:isAePort                      0               port_misc_data
                0
S:num_fault1_rx_disc    0               num_fault2_rx_disc      0
```

```
S:p_lli_cause0          0               p_sig_regained          0
S:p_sync_regained               0               enc_out
        0x0
S:cached_fps_status     0               cached_sts_status       0
S:cached_er_crc_good_eof        0
S:cached_er_bad_os      0               cached_er_too_long      0
S:cached_er_trunc       0
cached_tot_er_crc_good_eof      0
S:num_pt_excess_intr    0               num_no_fid              0
S:num_fault1_cnt                0               num_fault2_cnt
        0
S:num_fault_lip         0               num_fault_lli           0
S:num_fault_rx_fifo     0               num_fault_hss           0
S:num_fault_bwait               0               lli_intr_prim
        0
S:num_sw_link_to                0
be_link_err_mon_count           0
S:ecb_enc_enabled               0               ecb_comp_enabled
                0
S:ecb_rsv_enc           0               ecb_rsv_comp            0
S:ecb_enc_bm            0x0             ecb_key_index
0xffffffff
S:fab_idx               0
S:num_be_lto            0               lto_count_reset_intvl
        0
S:lr_count_reset_intvl          0               num_be_lr
        0
S:num_fault_qsfp                0               check_lto
        0
S:credit_loaded         0               num_credit_overrun
        0
S:fec_enabled           0x0             fec_los_to_flag         0x0
S:phy_stats_clear_ts            1725611419      pcs_err_online
        0
S:pcs_err_light_det             0               pcs_err_ignore
        0
S:pcs_blk_err           0               pcs_hiber               0
S:phy_port_status               0               ecb_enc_lr_count
                0
S:dport_mode            0               avoid_lto_det           0
S:sn_debounced          0x0             sn_started_kr_reqd      0
S:major_timer_started   0x0             ready_bm                0x0
S:parln_1_bm            0x0             parln_0_bm              0x0
S:be_los_of_sync_event_intvl            0
be_los_of_sync_event            0
S:erratePtenable_cntr           0               errataPoll_cntr
        0
S:jda_rx_sig_loss_det           0               jda_rx_sig_loss_cnt
                0
S:encrypt_blk_error             0
S:
S:      c4_trunk
S:======================================
S:mark_ts               0x0             deskew                  0x0
```

```
S:master_phyp           0x0
S:
S:adelay[00]: 0x00000000 0x00000000 0x00000000 0x00000000
S:adelay[04]: 0x00000000 0x00000000 0x00000000 0x00000000
S:
S:      c4_buf
S:=====================================
S:tx_csc                        0               rx_csc
        0
S:ld_vc_credits         0               tx_flag                 0x0
S:alloc_buffers         0               req_buffers             0
S:est_buffers           20              ld_use_est              0
S:bb_sc_n                       0               rx_bb_sc_n
        0
S:data_cr                       5               nondata_cr
        6
S:cr_enable             0
S:ld_nondata_cr         6               tnodep
0xbb83d8c0
S:tx_credits[0] 0    0    0    0    0    0    0    0
S:tx_credits[8] 0    0    0    0    0    0    0    0
S:tx_credits[16]        0    0    0    0    0    0    0    0
S:tx_credits[24]        0    0    0    0    0    0    0    0
S:tx_credits[32]        0    0    0    0    0    0    0    0
S:rx_credits[0] 0    0    0    0    0    0    0    0
S:rx_credits[8] 0    0    0    0    0    0    0    0
S:rx_credits[16]        0    0    0    0    0    0    0    0
S:rx_credits[24]        0    0    0    0    0    0    0    0
S:rx_credits[32]        0    0    0    0    0    0    0    0
S:tx_mbc[0]     0    0    0    0    0    0    0    0
S:tx_mbc[8]     0    0    0    0    0    0    0    0
S:tx_mbc[16]    0    0    0    0    0    0    0    0
S:tx_mbc[24]    0    0    0    0    0    0    0    0
S:tx_mbc[32]    0    0    0    0    0    0    0    0
S:rx_mbc[0]     0    0    0    0    0    0    0    0
S:rx_mbc[8]     0    0    0    0    0    0    0    0
S:rx_mbc[16]    0    0    0    0    0    0    0    0
S:rx_mbc[24]    0    0    0    0    0    0    0    0
S:rx_mbc[32]    0    0    0    0    0    0    0    0
S:
S:C4 Chip Variables: c4_phyp->c4_chp = 0x97e28000
S:-----------------------------------------------------------------
---------
S:version = 2.1
S:magic_id              0xc4234567      init_state              0x8
S:reset_reg_mem         0x1
S:ch_int0_en_bm         0x0             intr0_cause             0x0
S:ch_int1_en_bm         0x0             intr1_cause             0x0
S:ch_int2_en_bm         0x0             intr2_cause             0x0
S:ch                    0x43010080      ch_cfg
0xb7013ba0
S:raslog_hndl.hndl      0x0             obj_halted              0x0
S:c4_chip_regp          0x80000000      c4_fpg_regp
0x81800000
```

```
S:num_chip_timer        0x5
S:hi_task_bm            0x0             lo_task_bm              0x0
S:c4_deferq.q_head      0x0             c4_deferq.q_tail        0x0
S:c4_tmrq.q_head        0x0             c4_tmrq.q_tail          0x0
slot_no                 0
S:chip_inst             0               chip_idx                0
S:pll_initialized               1
pll_serdes_initialized  1
S:init_tries            0               init_ptEnableBM
0xba01b488
S:tick_polling          0xb980c9c0      sec_polling
0xb980c960
S:bb_fid                        129
S:ecb_key_bm[0]         0x0             ecb_key_bm[1]           0x0
S:ecb_key_bm[2]         0x0             ecb_key_bm[3]           0x0
S:is_chip_enc_enabled                   0
is_chip_comp_enabled    0x0
S:ftb_rsrcp->ftb_flags  0x0             act_rsrcp->act_flag     0x1
S:lue_rsrcp->lue_flags[0]       0x0             lue_rsrcp-
>lue_flags[1]   0x0
S:c4_phyp[00]: 0xb6ab0000 0xb6ab2080 0xb6ab4100 0xb6ab6180
S:c4_phyp[04]: 0xb6ab9040 0xb6abb0c0 0xb6abd140 0xb6ac0000
S:c4_phyp[08]: 0xb6ac2080 0xb6ac4100 0xb6ac6180 0xb6ac9040
S:c4_phyp[12]: 0xb6acb0c0 0xb6acd140 0xb6ad0000 0xb6ad2080
S:c4_phyp[16]: 0xb6ad4100 0xb6ad6180 0xb6ad9040 0xb6adb0c0
S:c4_phyp[20]: 0xb6add140 0xb6ae0000 0xb6ae2080 0xb6ae4100
S:c4_phyp[24]: 0xb6ae6180 0xb6ae9040 0xb6aeb0c0 0xb6aed140
S:c4_phyp[28]: 0xb6af0000 0xb6af2080 0xb6af4100 0xb6af6180
S:c4_phyp[32]: 0xb6af9040 0xb6afb0c0 0xb6afd140 0xb6b00000
S:c4_phyp[36]: 0xb6b02080 0xb6b04100 0xb6b06180 0xb6b09040
S:c4_phyp[40]: 0xb6b0b0c0 0xb6b0d140 0xb6b10000 0xb6b12080
S:c4_phyp[44]: 0xb6b14100 0xb6b16180 0xb6b19040 0xb6b1b0c0
S:c4_phyp[48]: 0xb6b1d140 0xb6b20000 0xb6b22080 0xb6b24100
S:c4_phyp[52]: 0xb6b26180 0xb6b29040 0xb6b2b0c0 0xb6b2d140
S:c4_phyp[56]: 0xb6b30000 0xb6b32080 0xb6b34100 0xb6b36180
S:c4_phyp[60]: 0xb6b39040 0xb6b3b0c0 0xb6b3d140 0xb6b40000
S:c4_lgcp[00]: 0x97f48000 0x97f4c000 0x97f50000 0x97f54000
S:c4_lgcp[04]: 0x97f58000 0x97f5c000 0x97f60000 0x97f64000
S:c4_lgcp[08]: 0x97f68000 0x97f6c000 0x97f70000 0x97f74000
S:c4_lgcp[12]: 0x97f78000 0x97f7c000 0x97f80000 0x97f84000
S:c4_lgcp[16]: 0x97f88000 0x97f8c000 0x97f90000 0x97f94000
S:c4_lgcp[20]: 0x97f98000 0x97f9c000 0x97fa0000 0x97fa4000
S:c4_lgcp[24]: 0x97fa8000 0x97fac000 0x97fb0000 0x97fb4000
S:c4_lgcp[28]: 0x97fb8000 0x97fbc000 0x97fc0000 0x97fc4000
S:c4_lgcp[32]: 0x97fc8000 0x97fcc000 0x97fd0000 0x97fd4000
S:c4_lgcp[36]: 0x97fd8000 0x97fdc000 0x97fe0000 0x97fe4000
S:c4_lgcp[40]: 0x97fe8000 0x97fec000 0x97ff0000 0x97ff4000
S:c4_lgcp[44]: 0x97ff8000 0x97ffc000 0x8e000000 0x8e004000
S:c4_lgcp[48]: 0x8e008000 0x8e00c000 0x8e010000 0x8e014000
S:c4_lgcp[52]: 0x8e018000 0x8e01c000 0x8e020000 0x8e024000
S:c4_lgcp[56]: 0x8e028000 0x8e02c000 0x8e030000 0x8e034000
S:c4_lgcp[60]: 0x8e038000 0x8e03c000 0x8e040000 0x8e044000
S:chip_timers[00]: 0xb980c720 0xb980c780 0xb980c7e0 0xb980c840
S:chip_timers[04]: 0xb980c8a0 0xb980c900
```

```
S:disc_trap_enable_required     0x0             rxlp_disc_log_stop
        0x0
S:curr_rxlp_frm_cnt     0x0             curr_rxlp_disc_frm_cnt  0x0
S:sw_disc_frm_cnt       0x0             last_disc_frm_cnt       0x0
S:txq_nopop_pr_cnt      0x0             pollErrataDfe_ptBM
0xba01b4b0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][0]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][1]  0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][2]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][0] 0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][1]       0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][2] 0x0
S:
S:C4 Logical Port Variables
S:-----------------------------------------------------------------
---------
S:c4_lgc_regp           0x81c80000
S:c4_phyp:
S:      0xb6ad4100      0x0             0x0             0x0

S:      0x0             0x0             0x0             0x0

S:master_phyp           0xb6ad4100      if_id
0x43020010
S:min_phyp              0x0             max_phyp                0x0
S:num_phy_ports         1               lgc_num                 16
S:num_iu_to             0               sw_txq_bm
        0
S:port_fid              128             unused                  0
S:port_group            2               lgc_stats_clear_ts
                1725611419
S:domain_tbl_sel                0               area_tbl_sel
        0
S:egid_tbl_sel          0
S:serv_lo_bm            0x0
S:
S:Proto Phy Variables:
S:-----------------------------------------------------------------
---------
S:magic_id              0xc4123456      asic_phyp
0xb6ad4100
S:port_id                       0x43028010      phy_cfg
        0xb6ad5140
S:upsm_hdl              0xb8014a00      physm_hdl
0xb8014780
S:ov_snsm_hdl           0xb8014640      sw_snsm_hdl
0xb80146e0
S:ov_lksm_hdl           0xb8014820      sw_lksm_hdl
0xb80148c0
S:trksm_hdl             0xb8014960      lr_flag         0x0
S:lr_active             0x0             qsfp_txrx_rate_sel
        0x0
S:
S:UPSM      UP00: UPST_PORT_DISABLED    --> UP01:
```

```
UPST_START_PORT_INIT
S:SNSM(OV)  SN00: OV_SNST_STOPPED       --> SN00: OV_SNST_STOPPED
S:SNSM(SW)  SW00: SW_SNST_STAGE_WS      --> SW00: SW_SNST_STAGE_WS
S:PHYSM     UNKNOWN     --> PP03: PHYST_NO_SIGNAL
S:LKSM(OV)  LK00: OV_LKST_INACTIVE      --> LK00: OV_LKST_INACTIVE
S:LKSM(SW)  SW13: INACTIVE              --> SW13: INACTIVE
S:TRKSM     TRK0: TRKST_INIT            --> TRK0: TRKST_INIT
S:
S:physm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8809000      physm_hdl
0xb8014780
S:force_offline         0               copper                  0
S:fault_reason          0: UNKNOWN
S:phy_media_present             1
S:
S:snsm variables:
S:-------------------------------------------------------------------
---------
S:speed                 0xff            proto_phyp
0xb8809000
S:hw_sn_tries_left      0x0             sw_sn_tries_left        0x0
S:curr_txsp_count               0x0
S:tx_max                        0x0             curr_tx_indx
        0x0
S:curr_tx                       0x0             curr_rxsp_count
        0x0
S:rx_max                        0x0             curr_rx_indx
        0x0
S:curr_rx                       0x0             rx_mem
        0x0
S:rxsp_rec_count                0x0
S:nc_start              0x0             tx_start                0x0
S:sync_start            0x0             sync_present            0x0
S:diag_auto             0x0             diag_speed              0xff
S:striped_wd_tov                3000            hw_wd_tov
        3000
S:step                  0x0             qsfp28_speed_mode
        0x0
S:qsfp_mode0_hw_sn_tries_left           0x0
S:qsfp_mode1_hw_sn_tries_left           0x0
S:
S:lksm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8809000      ov_lksm_hdl
0xb8014820
sw_lksm_hdl             0xb80148c0
num_lf1                 0
S:hw_link_tries_left    0               sw_link_tries_left      0
S:buf_ptype             0x0             stored_entry_state      0x6
S:handshake_owner               0x0             mark_unsent
        0x0
```

```
S:busybuf_stuck         0x0             lr_wait                 0x0
S:
S:trksm variables:
S:-------------------------------------------------------------------
---------
S:Not a trunk port
S:
S:upsm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8809000      upsm_hdl
0xb8014a00
S:bb_credits            0               port_beacon             0
S:port_diag_flag                0               force_offline
        0
S:port_fault_rsn                0: PORT_NO_FAULT
S:retry_init_rsn                0: UNKNOWN
S:linit_reason          0               linit_result            0
S:ie_fctl_mode          0               fec_in_sync_tries_left  0
S:retry_sn_fail_init    0
retry_link_fail_init    0
S:excess_lr_count       0
S:
S:c4_ch_cfg
S:-------------------------------------------------------------------
---------
S:c4_desc_ring_size     256      292      256      256      292
292      2        292      292
S:thresh_def            0        16       1        0
S:intr_tries            500             cmem_pattern
0xdeadbeef
S:cmem_pattern_upwd     2               cmem_init_time          16
S:cmem_init_tries               5
S:ctrl_par_thresh               2               data_par_thresh
        4
S:cam_par_thresh                4               buf_loss_thresh
        12
S:crit_par_thresh               2               non_crit_par_thresh
        6
S:pci_abort_thresh      10              pci_err_thresh          5
S:excess_chintr_thresh  8               sw_err_thresh           20
S:err_sample_period     300             intr_sleep
20000
S:frame_timeout 2500            proxy_dev               16384
S:vf_route      81920           qos             2048
S:stats 2048            f_redirect              2048
S:rsp_trap      2048            lun_zoning              20480
S:area_mode     0               ftb_max_loop[0]         0
S:ftb_max_loop[1]       6               ftb_max_loop[2]         9
S:ftb_max_loop[3]       10              ftb_max_loop[4]         10
S:ftb_max_loop[5]       5               ftb_max_loop[6]         6
S:ftb_seg_size[0]       0               ftb_seg_size[1]
16384
S:ftb_seg_size[2]       65536           ftb_seg_size[3]
```

```
16384
S:ftb_seg_size[4]       16384           ftb_seg_size[5]
65536
S:ftb_seg_size[6]       16384           ftb_seg_base[0]         0
S:ftb_seg_base[1]       0               ftb_seg_base[2]
65536
S:ftb_seg_base[3]       16384           ftb_seg_base[4]
32768
S:ftb_seg_base[5]       131072          ftb_seg_base[6]
49152
asic_err_monitor_period1                300
asic_err_monitor_period2                86400
zone_chk_to_poll_period 25
zone_chk_class2_reject_tov              220
S:
S:c4_phy_cfg
S:-------------------------------------------------------------------
---------
S:version = 2.1
S:pt                    0x43028010      fab_ptr
0x9a800000
S:fabattr                       0x9a8000d4      fab_iop
        0x9a800050
S:cfgbm                 0xbb83d624      port_ctrl
0xb6ad5158
S:pcap.pcap_bm          0x8d215547      pcap.pcap2_bm
0x588289
S:pcap.pcap3_bm         0x1bea60c
ui_idx                  47              S:slot_no
        0
is_icl                  0               S:sw_usr_ports          400
S:neg_speed             0 0 0 0 0 0
S:my_domain             0x1             port_mode               0x0
S:hw_sn_maxtries                100             sw_sn_maxtries
        0
S:hw_link_maxtries      10              sw_link_maxtries        5
S:rx_cyc_tov            28              rttov                   300
S:bufrdy_tov            300             busybuf_tov             286
S:mark_tov              300             lksm_tov                3000
S:buf_dealloc_wait      4               hw_wd_tov               3000
S:hw_lk_train_tov               540             hw_lk_test_tov
        150
S:syswait_tx_12_lips    1               lip_rx_tov              55
S:al_time_tov           15              lp_tov                  2000
S:intr_tries_port               500             intr_mod_debounce
        250
S:intr_lsr_flt_debounce 500             intr_efifo_debounce     100
S:port_no_fid           3               excess_ptintr_thresh    8
S:port_fault1_thresh    100             port_fault1_spur_thresh 250
S:port_fault1_disc_thresh       500
port_fault1_disc_spur_thresh    1000
S:port_fault2_thresh    5               losync_tov              100
S:port_sw_link_to               15              en_8g_scramble
        1
```

```
frc_hw_sn_mode          0x1
S:enc_poll_thresh               0               fec_enable
        0
S:fec_in_sync_to                50              fec_in_sync_try_max
        4
S:port_be_lto_threshold         100             port_be_lr_threshold
                2
S:be_cr_in_sync_to              5
port_credit_overrun_thresh              10
S:jda_sfp_losig_tov             400
jda_sfp_losig_try_max           30
S:striped_wd_tov                3000
no_sync_debounce                1200
S:
S:      fab_iop
S:======================================
S:fab_iop->interop_mode 0x0             fab_iop->lab_mode       0x0
S:fab_iop->fl_bbc               0x0             fab_iop->fl_fan
        0x0
S:fab_iop->fl_cls               0x4             fab_iop->fl_rscn
        0x0
S:fab_iop->domain_id_offset     0x60            fab_iop-
>mcdt_fabric_mode       0x0
S:fab_iop->mcdt_default_zone            0x0             fab_iop-
>mcdt_safe_zone         0x0
S:
S:      port_ctrl
S:======================================
S:port_ctrl.port_type   1               port_ctrl.port_grp      2
S:port_ctrl.port_number 47              port_ctrl.vc_mode       1
S:
S:      port_ctrl.lcap
S:======================================
S:has_serdes            0               has_media               1
S:topology              1               skip_nego               0
S:skip_pnego            0               skip_init_event         0
S:en_shim                       0               speed_neg
        1
S:loop_back             0               num_speeds              5
S:fec_enable            0
S:
S:      port_ctrl.speed_list array
S:======================================
S:speed_list[0].auto_neg  1     speed_list[0].lnk_speed  0x0000000a
S:speed_list[1].auto_neg  1     speed_list[1].lnk_speed  0x00000008
S:speed_list[2].auto_neg  0     speed_list[2].lnk_speed  0x00000006
S:speed_list[3].auto_neg  1     speed_list[3].lnk_speed  0x00000005
S:speed_list[4].auto_neg  0     speed_list[4].lnk_speed  0x00000003
S:speed_list[5].auto_neg  0     speed_list[5].lnk_speed  0x00000000
S:
S:      port_ctrl.cm
S:======================================
S:port_ctrl.cm.num_vcs          8
S:port_ctrl.cm.min_bufs         8
```

```
S:port_ctrl.cm.cr_shar_bufs     0
S:port_ctrl.vc_alloc
S:port_ctrl.vc_alloc            2 0 1 1 1 1 1 1
S:port_ctrl.vc_alloc            0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.norm_vc_alloc
S:port_ctrl.norm_vc_alloc       4 0 5 5 5 5 1 1
S:port_ctrl.norm_vc_alloc       0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.cm.skip_bb_credit           0
S:port_ctrl.cm.use_shim_based_sublist           0
S:
S:      port_ctrl.serdes_set
S:=======================================
S:serdes_type           0x8
S:serdes_data_t.ibm_hss_serdes.tx_drive_power           0x1
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b_sign      0x1
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_a           0x0
S:serdes_data_t.ibm_hss_serdes.rxeq                     0x0
S:
S:      cfgbm
S:=======================================
S:old_distance          0x0             gport_lockdown          0x0
S:tport                 0x1             speed                   0x0
S:disable_eport         0x0             fcacc                   0x0
S:lport_lockdown                0x0             priv_lport_lockdown
        0x0
S:vcxlt_linit           0x0             delay_flogi             0x0
S:isl_interop           0x0             distance                0x0
S:BufStarvFlag          0x0             credit_sharing          0x0
S:lport_halfduplex      0x0             lport_fairness          0x0
S:soft_neg              0x0             asn_frc_hwretry         0x0
S:cr_recov              0x0             fport_buffers           0x0
S:export                        0x0             export_mode
        0x0
S:csctl_en              0x0             mirror_port             0x0
S:fault_delay           0x0             non_dfe                 0x0
S:fec_configured*(0=ENAB)       0               fec_tts
        0
S:port_persistently_disabled (permanently) 0 (0)
S:
S:      cfg property
S:=======================================
S:priv_pcfg_bm          0x00000000      lgcl_pcfg_bm
0xbb83d664
S:fport_buffer          0x00000000
S:
S:
S:C4 Discard Cntrs: rxlp_stats = 0xb6ad44b0
S:-------------------------------------------------------------------
---------
S:disc_mcast_wka        0x0             disc_inv_did            0x0
S:disc_cl1_cl4          0x0             disc_sid_chk_fail       0x0
```

```
S:disc_inv_dom_egid_txpt        0x0             disc_vft_hop_cnt_1
        0x0
S:disc_classf           0x0             disc_fcp_cdb_inv        0x0
S:disc_vfid_trap_enabled        0x0
disc_vfid_hdr_chk_fail  0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_ftb_vm_mode      0x0             disc_ftb_agn_t2_miss    0x0
S:disc_ecb_de_pad_err   0x0             disc_ecb_de_tag_err     0x0
S:disc_ecb_de_seq_err   0x0             disc_ecb_err            0x0
S:disc_ftb_type4_match  0x0             disc_fcp_rsp_ftb_type4  0x0
S:disc_fcp_rsp_ftb_type4        0x0             disc_ftb_type5_match
        0x0
S:disc_ftb_type3_match  0x0             disc_els_ftb_type3      0x0
S:disc_ftb_type1_match  0x0             disc_els_rsp_ex_port    0x0
S:disc_inv_drp_dps      0x0             disc_did_lookup_miss    0x0
S:disc_ftb_type2_match  0x0             disc_trpd_plogi_pdisc   0x0
S:disc_type2_lookup_miss        0x0             disc_ftb_type6_match
        0x0
S:disc_els_rep_ex_port  0x0             disc_els_sid_lkup_bit1  0x0
S:disc_els_sid_lkup_bit0        0x0
disc_bls_frm_trap_bit1  0x0
S:disc_ftb_token_err    0x0             disc_asic_internal_err  0x0
S:disc_hard_zone_miss   0x0             disc_lun_zone_miss      0x0
S:disc_flt_frame_disc   0x0             disc_flt_parity_err     0x0
S:disc_frame_marked_du  0x0             disc_frame_marked_to    0x0
E:Connection type: FE
E:Port type: F_port
E:Trunk port: No
E:Configured Speed: AUTO_SPEED_NEGO
E:Max Capable Speed: 32G
E:Current SNSM Speed: UNDEFINED
E:Hardware TX Speed: 32G (0x00000004)
E:Hardware RX Speed: 32G (0x00000040)
E:
E:Interrupts:   0           Link_failure:       0
Loss_of_sync:   0           Loss_of_sig:        0
E:Lli:          0           Invalid_word:       0
E:trapped_frm:  0           fwd_status_ok:      0
E:fwd_timeout:  0           fwd_tx_unavail:     0
E:fwd_unroutable:       0           fwd_zone_out:       0
E:fwd_other_err:        0           frm_err_discard:    0
E:Fltr listA:   0           Fltr listB:         0
E:Zone trap fwd:        0           Zone trap disc:     0
E:shim_csum:    0           RTE_perr:           0
E:Invalid_crc:  0           Delim_err:          0
E:Protocol_err: 0
E:Lr_in:        0           Lr_out:             0
E:Ols_in:       0           Ols_out:            0


filterportshow 47

                FILTER DATA
```

```
                ----------
Shadow settings:
   Filter Enable: 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass: 0x00000000
Real settings:
   Enable RAM: 0x00000000, 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
```

```
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass RAM: 0x00000000

Shadowed filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        c4_fldenable[0] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[0] = 0x00000000,c4_fltr_config[0] = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        c4_fldenable[1] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[1] = 0x00000000,c4_fltr_config[1] = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        c4_fldenable[2] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[2] = 0x00000000,c4_fltr_config[2] = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        c4_fldenable[3] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[3] = 0x00000000,c4_fltr_config[3] = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        c4_fldenable[4] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[4] = 0x00000000,c4_fltr_config[4] = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        c4_fldenable[5] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[5] = 0x00000000,c4_fltr_config[5] = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        c4_fldenable[6] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[6] = 0x00000000,c4_fltr_config[6] = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        c4_fldenable[7] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[7] = 0x00000000,c4_fltr_config[7] = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        c4_fldenable[8] = 0x00000000 0x00000000 0x00000000
```

```
0x00000000
        c4_fldnegate[8] = 0x00000000,c4_fltr_config[8] = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        c4_fldenable[9] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[9] = 0x00000000,c4_fltr_config[9] = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        c4_fldenable[10] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[10] = 0x00000000,c4_fltr_config[10] =
0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        c4_fldenable[11] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[11] = 0x00000000,c4_fltr_config[11] =
0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        c4_fldenable[12] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[12] = 0x00000000,c4_fltr_config[12] =
0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        c4_fldenable[13] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[13] = 0x00000000,c4_fltr_config[13] =
0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        c4_fldenable[14] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[14] = 0x00000000,c4_fltr_config[14] =
0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        c4_fldenable[15] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[15] = 0x00000000,c4_fltr_config[15] =
0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        c4_fldenable[16] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[16] = 0x00000000,c4_fltr_config[16] =
0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        c4_fldenable[17] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[17] = 0x00000000,c4_fltr_config[17] =
0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        c4_fldenable[18] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[18] = 0x00000000,c4_fltr_config[18] =
0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        c4_fldenable[19] = 0x00000000 0x00000000 0x00000000
0x00000000
```

```
        c4_fldnegate[19] = 0x00000000,c4_fltr_config[19] =
0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        c4_fldenable[20] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[20] = 0x00000000,c4_fltr_config[20] =
0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        c4_fldenable[21] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[21] = 0x00000000,c4_fltr_config[21] =
0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        c4_fldenable[22] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[22] = 0x00000000,c4_fltr_config[22] =
0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        c4_fldenable[23] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[23] = 0x00000000,c4_fltr_config[23] =
0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        c4_fldenable[24] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[24] = 0x00000000,c4_fltr_config[24] =
0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        c4_fldenable[25] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[25] = 0x00000000,c4_fltr_config[25] =
0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        c4_fldenable[26] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[26] = 0x00000000,c4_fltr_config[26] =
0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        c4_fldenable[27] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[27] = 0x00000000,c4_fltr_config[27] =
0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        c4_fldenable[28] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[28] = 0x00000000,c4_fltr_config[28] =
0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        c4_fldenable[29] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[29] = 0x00000000,c4_fltr_config[29] =
0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        c4_fldenable[30] = 0x00000000 0x00000000 0x00000000
```

```
0x00000000
        c4_fldnegate[30] = 0x00000000,c4_fltr_config[30] =
0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        c4_fldenable[31] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[31] = 0x00000000,c4_fltr_config[31] =
0x00000000


Real filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
```

```
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
```

```
Filter 24: Not Installed (PERF9)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000

Filter dirty indicator: 0x00000000
Performance filters: 0
Port Mirror filters: 0 (0x0)


               FIELD DATA
               ----------

Shadowed fields:

fldoffset[0] = 0x00,fldmask[0] = 0x00,fldvalue_dyna[0]:0x00 0x00
0x00 0x00
fldcontrol[0].inuse = 0x0  fldcontrol[0].refcnt = 0x00 0x00 0x00
0x00
fldoffset[1] = 0x00,fldmask[1] = 0x00,fldvalue_dyna[1]:0x00 0x00
0x00 0x00
fldcontrol[1].inuse = 0x0  fldcontrol[1].refcnt = 0x00 0x00 0x00
0x00
fldoffset[2] = 0x00,fldmask[2] = 0x00,fldvalue_dyna[2]:0x00 0x00
0x00 0x00
fldcontrol[2].inuse = 0x0  fldcontrol[2].refcnt = 0x00 0x00 0x00
```

0x00
fldoffset[3] = 0x00,fldmask[3] = 0x00,fldvalue_dyna[3]:0x00 0x00
0x00 0x00
fldcontrol[3].inuse = 0x0 fldcontrol[3].refcnt = 0x00 0x00 0x00
0x00
fldoffset[4] = 0x00,fldmask[4] = 0x00,fldvalue_dyna[4]:0x00 0x00
0x00 0x00
fldcontrol[4].inuse = 0x0 fldcontrol[4].refcnt = 0x00 0x00 0x00
0x00
fldoffset[5] = 0x00,fldmask[5] = 0x00,fldvalue_dyna[5]:0x00 0x00
0x00 0x00
fldcontrol[5].inuse = 0x0 fldcontrol[5].refcnt = 0x00 0x00 0x00
0x00
fldoffset[6] = 0x00,fldmask[6] = 0x00,fldvalue_dyna[6]:0x00 0x00
0x00 0x00
fldcontrol[6].inuse = 0x0 fldcontrol[6].refcnt = 0x00 0x00 0x00
0x00
fldoffset[7] = 0x00,fldmask[7] = 0x00,fldvalue_dyna[7]:0x00 0x00
0x00 0x00
fldcontrol[7].inuse = 0x0 fldcontrol[7].refcnt = 0x00 0x00 0x00
0x00
fldoffset[8] = 0x00,fldmask[8] = 0x00,fldvalue_dyna[8]:0x00 0x00
0x00 0x00
fldcontrol[8].inuse = 0x0 fldcontrol[8].refcnt = 0x00 0x00 0x00
0x00
fldoffset[9] = 0x00,fldmask[9] = 0x00,fldvalue_dyna[9]:0x00 0x00
0x00 0x00
fldcontrol[9].inuse = 0x0 fldcontrol[9].refcnt = 0x00 0x00 0x00
0x00
fldoffset[10] = 0x00,fldmask[10] = 0x00,fldvalue_dyna[10]:0x00 0x00
0x00 0x00
fldcontrol[10].inuse = 0x0 fldcontrol[10].refcnt = 0x00 0x00 0x00
0x00
fldoffset[11] = 0x00,fldmask[11] = 0x00,fldvalue_dyna[11]:0x00 0x00
0x00 0x00
fldcontrol[11].inuse = 0x0 fldcontrol[11].refcnt = 0x00 0x00 0x00
0x00
fldoffset[12] = 0x00,fldmask[12] = 0x00,fldvalue_dyna[12]:0x00 0x00
0x00 0x00
fldcontrol[12].inuse = 0x0 fldcontrol[12].refcnt = 0x00 0x00 0x00
0x00
fldoffset[13] = 0x00,fldmask[13] = 0x00,fldvalue_dyna[13]:0x00 0x00
0x00 0x00
fldcontrol[13].inuse = 0x0 fldcontrol[13].refcnt = 0x00 0x00 0x00
0x00
fldoffset[14] = 0x00,fldmask[14] = 0x00,fldvalue_dyna[14]:0x00 0x00
0x00 0x00
fldcontrol[14].inuse = 0x0 fldcontrol[14].refcnt = 0x00 0x00 0x00
0x00
fldoffset[15] = 0x00,fldmask[15] = 0x00,fldvalue_dyna[15]:0x00 0x00
0x00 0x00
fldcontrol[15].inuse = 0x0 fldcontrol[15].refcnt = 0x00 0x00 0x00
0x00
fldoffset[16] = 0x00,fldmask[16] = 0x00,fldvalue_dyna[16]:0x00 0x00

```
0x00 0x00
fldcontrol[16].inuse = 0x0  fldcontrol[16].refcnt = 0x00 0x00 0x00
0x00
fldoffset[17] = 0x00,fldmask[17] = 0x00,fldvalue_dyna[17]:0x00 0x00
0x00 0x00
fldcontrol[17].inuse = 0x0  fldcontrol[17].refcnt = 0x00 0x00 0x00
0x00
fldoffset[18] = 0x00,fldmask[18] = 0x00,fldvalue_dyna[18]:0x00 0x00
0x00 0x00
fldcontrol[18].inuse = 0x0  fldcontrol[18].refcnt = 0x00 0x00 0x00
0x00
fldoffset[19] = 0x00,fldmask[19] = 0x00,fldvalue_dyna[19]:0x00 0x00
0x00 0x00
fldcontrol[19].inuse = 0x0  fldcontrol[19].refcnt = 0x00 0x00 0x00
0x00

Real fields:

fldoffset RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fldmask RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fld value4 RAM:
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
Field dirty indicator: 0x00000000

FDB reference count fdb: 0 [0 0 0 0 ]
FDB reference count fdb: 1 [0 0 0 0 ]
FDB reference count fdb: 2 [0 0 0 0 ]
FDB reference count fdb: 3 [0 0 0 0 ]
FDB reference count fdb: 4 [0 0 0 0 ]
FDB reference count fdb: 5 [0 0 0 0 ]
FDB reference count fdb: 6 [0 0 0 0 ]
FDB reference count fdb: 7 [0 0 0 0 ]
FDB reference count fdb: 8 [0 0 0 0 ]
```

```
FDB reference count fdb: 9 [0 0 0 0 ]
FDB reference count fdb: 10 [0 0 0 0 ]
FDB reference count fdb: 11 [0 0 0 0 ]
FDB reference count fdb: 12 [0 0 0 0 ]
FDB reference count fdb: 13 [0 0 0 0 ]
FDB reference count fdb: 14 [0 0 0 0 ]
FDB reference count fdb: 15 [0 0 0 0 ]
FDB reference count fdb: 16 [0 0 0 0 ]
FDB reference count fdb: 17 [0 0 0 0 ]
FDB reference count fdb: 18 [0 0 0 0 ]
FDB reference count fdb: 19 [0 0 0 0 ]

Filter counters:
   Filter counter 0: 0  (MIRROR1)
   Filter counter 1: 0  (MIRROR2)
   Filter counter 2: 0  (MIRROR3)
   Filter counter 3: 0  (MIRROR4)
   Filter counter 4: 0  (AEPORT_NON_MIRR_DROP)
   Filter counter 5: 0  (ZONING TRAP)
   Filter counter 6: 0  (FCR_EXPORT_DC)
   Filter counter 7: 0  (TIN TRAP)
   Filter counter 8: 0  (FICON CUP)
   Filter counter 9: 0  (FICON CUP DST)
   Filter counter 10: 0 (WELL KNOWN ADDR)
   Filter counter 11: 0 (SIM)
   Filter counter 12: 0 (UNUSED)
   Filter counter 13: 0 (UNUSED)
   Filter counter 14: 0 (UNUSED)
   Filter counter 15: 0 (UNUSED)
   Filter counter 16: 0 (PERF1)
   Filter counter 17: 0 (PERF2)
   Filter counter 18: 0 (PERF3)
   Filter counter 19: 0 (PERF4)
   Filter counter 20: 0 (PERF5)
   Filter counter 21: 0 (PERF6)
   Filter counter 22: 0 (PERF7)
   Filter counter 23: 0 (PERF8)
   Filter counter 24: 0 (PERF9)
   Filter counter 25: 0 (PERF10)
   Filter counter 26: 0 (PERF11)
   Filter counter 27: 0 (PERF12)
   Filter counter 28: 0 (OPM1)
   Filter counter 29: 0 (OPM2)
   Filter counter 30: 0 (IPM1)
   Filter counter 31: 0 (IPM2)

               ACL DATA
               --------
Logical port 16: Hard Zoning disabled, Soft Zoning disabled
Zone type: WWN Zoning
Frames with hard zone miss: 0

*** Please use filterportshow on user port 56 to display ACL hash
tables and Mirroring resources of thischip.
```

 ***We show this data only for the first physical port which is an exernal port.

```
portFcPortCmdShow --slot 0 48 3
doing portFcPortCmdShow: arg1 = 3, arg2 = -2

portshow 48
portDisableReason: None
portCFlags: 0x0
portFlags: 0x4021        PRESENT U_PORT DISABLED LED
LocalSwcFlags: 0x0
portType:  26.0
POD Port: Need license to enable the port
portState: 2    Offline
Protocol: FC
portPhys:  2    No_Module       portScn:   2    Offline
port generation number:    0
state transition count:    0

portId:    013000
portIfId:    43020008
portWwn:   20:30:d8:1f:cc:2c:99:90
portWwn of device(s) connected:
16b Area list:
Distance:  normal
portSpeed: N32Gbps

FEC: Inactive
Credit Recovery: Inactive
LE domain: 0
Peer beacon: Off
FC Fastwrite: OFF
Interrupts:        0          Link_failure: 0          Frjt:
0
Unknown:           0          Loss_of_sync: 0          Fbsy:
0
Lli:               0          Loss_of_sig:  0
Proc_rqrd:         0          Protocol_err: 0
Timed_out:         0          Invalid_word: 0
Tx_unavail:        0          Invalid_crc:  0
Delim_err:         0          Address_err:  0
Lr_in:             0          Ols_in:       0
Lr_out:            0          Ols_out:      0


portloginshow 48
Type  PID     World Wide Name        credit df_sz cos
=====================================================


portloginshow 48 -history
 Type  PID      World Wide Name           logout time
=========================================================
```

```
portregshow 48

LED registers
=============
0x81c42000: c4_led_status           00000000    0x81c42004:
c4_led_ctl              00000000

FPL registers
=============
0x81c40200: fpl_port_config         23490000
0x81c4020c: fpl_port_id_ctl         00000000    0x81c40210:
fpl_port_id_addr        00013000
0x81c40214: fpl_port_speed          00000004    0x81c4021c:
fpl_lli_ctl             00000903
0x81c40228: fpl_lli_os_ctl          bc95b5b5    0x81c4022c:
fpl_lli_send_word       bc95b5b5
0x81c40230: fpl_lli_mark_rx         00000000    0x81c40234:
fpl_lli_rnd_trip_time   00000000
0x81c40238: fpl_lli_ns_status       80070007    0x81c4023c:
fpl_lli_intr_status     80070007
0x81c40244: fpl_lli_def             00000000    0x81c40254:
fpl_lli_intr_enable_clr 00100000
0x81c40258: fpl_err_intr_status     00000000    0x81c40260:
fpl_err_intr_enable_clr 00000000
0x81c40268: fpl_err_first_error     00000000    0x81c4026c:
fpl_speed_neg_ctl       00000000
0x81c40270: fpl_speed_neg_stat      00000000    0x81c40274:
fpl_softasn_ctl         0000000f
0x81c40278: fpl_link_init_ctl       00000000    0x81c4027c:
fpl_link_init_stat      00000000
0x81c40280: fpl_aec_ctl             00051060    0x81c40284:
fpl_aec_ctl2            04009f60
0x81c40288: fpl_pcs_ctl             00000160    0x81c4028c:
fpl_fec_ctl             00000441
0x81c40290: fpl_fec_cor             00000000    0x81c40294:
fpl_fec_uncor           00000000
0x81c40298: fpl_hss_link_ctl        0031f040    0x81c4029c:
fpl_afifo_link_ctl      00000a86
0x81c402a0: fpl_echo_lb_ctl         0000028c    0x81c402a4:
fpl_scratch             00000121
0x81c402a8: fpl_debug               00030005    0x81c402ac:
fpl_misc_debug          00001800
0x00000000: SW_shadow_reg           00000000    0x00000000:
SW_c4_phyp->cfgptr      00030000

per-fpg (per octet) registers
=============================
0x8180b82c: fpg_serdes_ctla0        81a37be7    0x8180b830:
fpg_serdes_ctla1        81a37be7
0x8180b834: fpg_serdes_ctlb0        81a1c3c3    0x8180b838:
fpg_serdes_ctlb1        81a1c3c3
0x8180b83c: fpg_serdes_xgmii_1ms    00067c28    0x8180b840:
fpg_serdes_regtimctl    40e47946
```

```
0x8180b844: fpg_serdes_asnrsttimctl 00000102

HSS PLL registers
=============================
0x81809400: 00_hssplla_vco_coarse_cal0      00000000    0x81809404:
01_hssplla_vco_coarse_cal1      00000014
0x81809408: 02_hssplla_vco_coarse_cal2      00000000    0x8180940c:
03_hssplla_vco_coarse_cal3      00000000
0x81809410: 04_hssplla_vco_coarse_cal4      00000000    0x81809424:
09_hssplla_power_ctl            00000000
0x81809428: 0A_hssplla_charge_pump_ctl      00000004    0x81809438:
0E_hssplla_pll_misc_ctl         00000000
0x8180943c: 0F_hssplla_pclk_ctl             000000f8    0x81809440:
10_hssplla_eyem_intv_ctl        00000000
0x81809444: 11_hssplla_eyem_intv_lim1       00000000    0x81809448:
12_hssplla_eyem_intv_lim2       00000000
0x8180944c: 13_hssplla_eyem_intv_lim3       00000000    0x81809450:
14_hssplla_eyem_intv_lim4       00000000
0x818094f0: 3C_hssplla_macro_tst_ctl4       00000000    0x818094f4:
3D_hssplla_macro_tst_ctl3       00000000
0x818094f8: 3E_hssplla_macro_tst_ctl2       00000000    0x818094fc:
3F_hssplla_macro_tst_ctl1       00000000
0x81809500: 00_hssplb_vco_coarse_cal0       0000000a    0x81809504:
01_hssplb_vco_coarse_cal1       00000014
0x81809508: 02_hssplb_vco_coarse_cal2       00000000    0x8180950c:
03_hssplb_vco_coarse_cal3       00000000
0x81809510: 04_hssplb_vco_coarse_cal4       00000000    0x81809524:
09_hssplb_power_ctl             00000000
0x81809528: 0A_hssplb_charge_pump_ctl       00000004    0x81809538:
0E_hssplb_pll_misc_ctl          00000000
0x8180953c: 0F_hssplb_pclk_ctl              000000f8    0x81809540:
10_hssplb_eyem_intv_ctl         00000000
0x81809544: 11_hssplb_eyem_intv_lim1        00000000    0x81809548:
12_hssplb_eyem_intv_lim2        00000000
0x8180954c: 13_hssplb_eyem_intv_lim3        00000000    0x81809550:
14_hssplb_eyem_intv_lim4        00000000
0x818095f0: 3C_hssplb_macro_tst_ctl4        00000000    0x818095f4:
3D_hssplb_macro_tst_ctl3        00000000
0x818095f8: 3E_hssplb_macro_tst_ctl2        00000000    0x818095fc:
3F_hssplb_macro_tst_ctl1        00000000

HSS TX registers
================
0x81808000: 00_hsstx_cfg_mode_PHY           00009f48    0x81808004:
01_hsstx_test_ctl               00000000
0x81808008: 02_hsstx_coeff_ctl_INV          00000000    0x8180800c:
03_hsstx_drv_mode_ctl           00000000
0x81808010: 04_hsstx_drv_ovrd_ctl           00000010    0x81808014:
05_hsstx_dclk_align_ovrd        00000080
0x81808018: 06_hsstx_imp_cal_ovrd           00000c0c    0x8180801c:
07_hsstx_dclk_drift_tol         00000004
0x81808020: 08_hsstx_tap0_coeff_TUNE        00000000    0x81808024:
09_hsstx_tap1_coeff_TUNE        00000003
0x81808028: 0A_hsstx_tap2_coeff_TUNE        00000018    0x8180802c:
```

```
0B_hsstx_tap3_coeff_TUNE        0000000d
0x81808034: 0D_hsstx_pol_INV                0000000a    0x81808038:
0E_hsstx_ae_cmd                 00000000
0x8180803c: 0F_hsstx_ae_stat                00000000    0x81808040:
10_hsstx_ae_tap0_TUNE           00000000
0x81808044: 11_hsstx_ae_tap1_TUNE           00000000    0x81808048:
12_hsstx_ae_tap2_TUNE           00000028
0x8180804c: 13_hsstx_ae_tap3_TUNE           00000000    0x81808054:
15_hsstx_app_tune               0000120e
0x81808058: 16_hsstx_analog_diag            00000000    0x81808060:
18_hsstx_4x_seg_app             0000aafa
0x81808064: 19_hsstx_2x_seg_app             00000000    0x81808068:
1A_hsstx_1x_seg_app             0000ff5d
0x8180806c: 1B_hsstx_seg_4x_term_app        00000000    0x81808070:
1C_hsstx_seg_2x1x_term_app      00000f00
0x81808074: 1D_hsstx_tap_sign_app           0000000a    0x81808078:
1E_hsstx_ext_addr_data          00000001
0x8180807c: 1F_hsstx_ext_addr_addr          00000000    0x81808080:
20_hsstx_pat_buf_bytes_1_0      00000000
0x81808084: 21_hsstx_pat_buf_bytes_3_2      00000000    0x81808088:
22_hsstx_pat_buf_bytes_5_4      00000000
0x8180808c: 23_hsstx_pat_buf_bytes_7_6      00000000    0x8180809c:
27_hsstx_8023az_ctl             00000000
0x818080a0: 28_hsstx_dcc_ctl                000060c0    0x818080a4:
29_hsstx_dcc_ovrd               00001000
0x818080a8: 2A_hsstx_dcc_app                00000085    0x818080ac:
2B_hsstx_dcc_timeout            0000ffff
0x818080c0: 30_hsstx_tap_sign_ovrd          00000000    0x818080c8:
32_hsstx_seg_4x_ovrd            00000000
0x818080cc: 33_hsstx_seg_2x_ovrd            00000000    0x818080d0:
34_hsstx_seg_1x_ovrd            00000000
0x818080d8: 36_hsstx_tap_seg_4x_term_ovrd   00000000    0x818080dc:
37_hsstx_tap_seg_2x_term_ovrd   00000000
0x818080e0: 38_hsstx_tap_seg_1x_term_ovrd   00000000    0x818080ec:
3B_hsstx_mac_test_ctl5          00000000
0x818080f0: 3C_hsstx_mac_test_ctl4          00000000    0x818080f4:
3D_hsstx_mac_test_ctl3          00000000
0x818080f8: 3E_hsstx_mac_test_ctl2          00000000    0x818080fc:
3F_hsstx_mac_test_ctl1          000000c6

HSS RX registers
================
0x81808200: 00_hssrx_cfg_mode_PHY           00009e78    0x81808204:
01_hssrx_test_ctl               00000000
0x81808208: 02_hssrx_phs_rot_ctl            0000cb80    0x8180820c:
03_hssrx_phs_rot_ofs_ctl        00004610
0x81808210: 04_hssrx_phs_rot_posn1          00003132    0x81808214:
05_hssrx_phs_rot_posn2          0000001d
0x81808218: 06_hssrx_phs_rot_sta_ofs1       00000100    0x8180821c:
07_hssrx_phs_rot_sta_ofs2       00000001
0x81808220: 08_hssrx_dfe_ctl_PHY            00002002    0x81808224:
09_hssrx_dfe_smpl_snap1         00000000
0x81808228: 0A_hssrx_dfe_smpl_snap2         00008000    0x8180822c:
0B_hssrx_vga_ctl1               000041fe
```

```
0x81808230: 0C_hssrx_vga_ctl2               00007aa0    0x81808234:
0D_hssrx_vga_ctl3               000009e4
0x81808238: 0E_hssrx_pwr_mgmnt_ctl          0000001f    0x8180823c:
0F_hssrx_iqamp_ctl1             00000018
0x81808240: 10_hssrx_iqamp_ctl2             00000003    0x81808244:
11_hssrx_dacap_dacan_sel        00000003
0x81808248: 12_hssrx_dacap_dacan            0000ffff    0x8180824c:
13_hssrx_daca_min               00000000
0x81808250: 14_hssrx_adac_ctl               00000000    0x81808254:
15_hssrx_ac_cp_ctl              000031c3
0x81808258: 16_hssrx_ac_cp_val              0000804c    0x8180825c:
17_hssrx_dfe_h1h2h3_lcl_off_ch  00000014
0x81808260: 18_hssrx_dfe_h1h2h3_lcl_off_val 00000000    0x81808264:
19_hssrx_peaked_intg            000000ff
0x81808268: 1A_hssrx_cdr_analog_sw          0000ce00    0x8180826c:
1B_hssrx_peaking_amp_init_c_PHY 00000000
0x81808270: 1C_hssrx_dac_dpc                00000040    0x81808274:
1D_hssrx_ddc                    00000000
0x81808278: 1E_hssrx_int_stat_PHY           00000c0f    0x8180827c:
1F_hssrx_dfe_func_ctl1_PHY      0000ffff
0x81808280: 20_hssrx_dfe_func_ctl2_INV      00007ebf    0x81808284:
21_hssrx_ofs_ch_dcc_qcc_idx     00002000
0x81808288: 22_hssrx_dfe_ofs_val            00007b00    0x8180828c:
23_hssrx_h_coeff_bist           00000401
0x81808290: 24_hssrx_ac_cap_bist            00000080    0x81808294:
25_hssrx_max_gain_path_idx_res  00007800
0x81808298: 26_hssrx_loff_ctl               00000040    0x8180829c:
27_hssrx_sigdet_ctl             00003180
0x818082a0: 28_hssrx_ana_ctl_sw             00000000    0x818082a4:
29_hssrx_intg_dac_ofs           0000e1e1
0x818082a8: 2A_hssrx_eye_ctl                00000000    0x818082ac:
2B_hssrx_eye_met                00000004
0x818082b0: 2C_hssrx_eye_met_err_cnt        00000000    0x818082b4:
2D_hssrx_eye_met_pdf_eyec       00000000
0x818082b8: 2E_hssrx_eye_met_pat_len        0000007f    0x818082bc:
2F_hssrx_dfe_func_ctl3          0000dfff
0x818082c0: 30_hssrx_dfe_tap_ctl_idx_ptr    00000008    0x818082c4:
31_hssrx_dfe_tap                00003030
0x818082c8: 32_hssrx_lte_ctl_TUNE           00001601    0x818082e4:
39_hssrx_int_stat2              0000c1ff
0x818082e8: 3A_hssrx_ac_cpl_cur_src_adj     00000040    0x818082ec:
3B_hssrx_dcd_ctl                00007c00
0x818082f0: 3C_hssrx_dcc_ctl                00000d45    0x818082f4:
3D_hssrx_qcc_ctl                0000698c
0x818082f8: 3E_hssrx_mac_test_ctl2          00000000    0x818082fc:
3F_hssrx_mac_test_ctl1          00000000
0x81808248: 12_hssrx_dacap_dacan[02]                00ff ffff
0x81808260: 18_hssrx_dfe_h1h2h3_lcl_off_va[00]      0000 0000   0000
0000   0000 0000   0000 0000
0x81808260: 18_hssrx_dfe_h1h2h3_lcl_off_va[08]      0000 0000   0000
0000   0000 0000   0000 0000
0x81808260: 18_hssrx_dfe_h1h2h3_lcl_off_va[16]      0000 0000   0000
0000   0000
0x81808288: 22_hssrx_dfe_ofs_val[00][00]            7b00 0000   097b
```

```
7f00   037b 0000
0x81808288: 22_hssrx_dfe_ofs_val[03][00]           007b 0000   017b
0000   057f 7f00
0x81808288: 22_hssrx_dfe_ofs_val[06][00]           7f7f 0000   7d05
007f   0b7c 7f00
0x81808288: 22_hssrx_dfe_ofs_val[09][00]           7f7e 0000   010b
7f7f   087d 7f00
0x81808288: 22_hssrx_dfe_ofs_val[12][00]           7c09 007f   7e0c
007f   7d7f 0000
0x81808288: 22_hssrx_dfe_ofs_val[15][00]           0409 7f7f   7f7b
0000   797b 0000
0x81808288: 22_hssrx_dfe_ofs_val[18][00]           7f09 007f   7d7b
0000   0003 007f
0x81808288: 22_hssrx_dfe_ofs_val[21][00]           0003 007f   0003
007f   0003 007f
0x81808288: 22_hssrx_dfe_ofs_val[24][00]           0102 7f00   7e7f
0000   797d 0000
0x81808294: 25_hssrx_max_gain_path_idx_res[00]     005c 0849   1012
18a1   20df 289f   3084 3800
0x81808294: 25_hssrx_max_gain_path_idx_res[08]     409f 487f   5074
5801   6040 6800   70fe 7800
0x818082c4: 31_hssrx_dfe_tap[00]                   fffe 8181   0000
0000   0030 0030   3030 3030
0x818082c4: 31_hssrx_dfe_tap[08]                   3030 3030   3030
0000
0x818082e8: 3A_hssrx_ac_cpl_cur_src_adj[00]        0040 0040   0040
0040
0x818082ec: 3B_hssrx_dcd_ctl[00]                   7c00 5c00   7c83
5c00   7c00
0x818082f0: 3C_hssrx_dcc_ctl[00]                   0d45 0d81   0d81
0d41
0x818082f4: 3D_hssrx_qcc_ctl[00]                   6988 698c

xfipcs, fec, aec, & aet registers
=================================
0x81c40400: xfipcs_reg              [00] 00002040 00000080 00000000
00000000    00000001 00000008 00000000 00000000
0x81c40420: xfipcs_reg              [08] 00008c01 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c40440: xfipcs_reg              [16] 00000000 00000000 00000000
00000000    00000040 00000000 00000000 00000000
0x81c40460: xfipcs_reg              [24] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c40480: xfipcs_reg              [32] 00000004 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c40620: fec_32g_128g_reg        [08] 00000000 00000000 00000000
00000000    00000000 00000000 00000000
0x81c40648: fec_32g_128g_reg        [18] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c40a00: aec_reg                 [00] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c40c00: aet_reg                 [00] 00000000 00000000 00000000
00000000    00000000
```

```
bbc registers
=============
0x81c41800: bbc_trc                 0    0    0    0    0    0    0
0
0x81c41840: bbc_trc                 0    0    0    0    0    0    0
0
0x81c41880: bbc_trc                 0    0    0    0    0    0    0
0
0x81c418c0: bbc_trc                 0    0    0    0    0    0    0
0
0x81c41900: bbc_trc                 0    0    0    0    0    0    0
0
0x81c41804: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c41844: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c41884: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c418c4: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c41904: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c41a00: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c41a20: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c41a40: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c41a60: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c41a80: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c41c00: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c41c20: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c41c40: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c41c60: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c41c80: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c41d00: bbc_fbpc                00000000    0x81c41d04: bbc_csc
00000000
0x81c41d08: bbc_rcc_inc             00000000    0x81c41d0c:
bbc_rqc_inc             00000000
0x81c41d10: bbc_fbpc_inc            00000000    0x81c41d14:
bbc_tmc_inc             00000000
0x81c41d18: bbc_threshold           00080100    0x81c41d1c:
bbc_counter_clr         00000000
0x81c41d20: bbc_debug_en            00000000    0x81c41d24: bbc_ctrl
00200020
0x81c41d28: bbc_rqc_rcc_thresh      00000055    0x81c41d34:
bbc_bb_sc_n             00000000
```

```
0x81c41d38: bbc_crd_reco_debug      00000000    0x81c41d3c:
bbc_crd_reco_debug_data 00000000
0x81c41d40: bbc_multi_frm_loss_cnt  00000000    0x81c41d44:
bbc_multi_rdy_loss_cnt  00000000
0x81c41d48: bbc_1frm_loss_recov_cnt 00000000    0x81c41d4c:
bbc_1rdy_loss_recov_cnt 00000000
0x81c41d58: bbc_int_status          00000000    0x81c41d5c:
bbc_int_set             00000000
0x81c41d60: bbc_int_first           00000000    0x81c41d64:
bbc_frm_rdy_rx_err_addr 00000000
0x81c41d68: bbc_frm_rdy_tx_err_addr 00000000    0x81c41d6c:
bbc_trc_mbc_err_addr    00000000
0x81c41d70: bbc_frm_rdy_rx_dbl_ecc  00000000    0x81c41d74:
bbc_frm_rdy_tx_dbl_ecc  00000000
0x81c41d78: bbc_trc_mbc_dbl_ecc     00000000
0x81c41d7c: bbc_fsm_status          00001011    0x81c41d80:
bbc_force_err           00000000
0x81c41d84: bbc_crdt_avail0         ffffffff    0x81c41d88:
bbc_crdt_avail1         000000ff
0x81c41d8c: bbc_scratch             00000000

FPS registers
=============
0x81c40004: fps_er_enc_in           00000000    0x81c40008:
fps_er_crc              00000000
0x81c4000c: fps_er_trunc            00000000    0x81c40010:
fps_er_toolong          00000000
0x81c40014: fps_er_bad_eof          00000000    0x81c40018:
fps_er_enc_out          00000000
0x81c4001c: fps_er_bad_os           00000000    0x81c40020:
fps_er_flush            00000000
0x81c40024: fps_er_ifg              00000000    0x81c40038:
fps_er_crc_good_eof     00000000
0x81c4003c: fps_inv_arb             00000000    0x81c40040:
fps_slow_sts_status     00000000
0x81c40044: fps_tx_frm_cnt          00000000    0x81c40048:
fps_rx_frm_cnt          00000000
0x81c40050: fps_tx_word_cnt_hi      00000000    0x81c4004c:
fps_tx_word_cnt_lo      00000000
0x81c40058: fps_rx_word_cnt_hi      00000000    0x81c40054:
fps_rx_word_cnt_lo      00000000

BAL registers
=============
0x81c47000: bal_desired_buf         00000000    0x81c47004:
bal_alloc_buf           00000000
0x81c47008: bal_busy_buf            00000000    0x81c4700c:
bal_usable_buf          00000000
0x81c47010: bal_max_bor_buf         00000000
0x81c47014: bal_busy_buf_thresh     00000002

TXQ registers
=============
0x81c43004: txq_phys_port_ctl       00400000
```

```
0x81c43050: txq_link_skew           00000000
0x81c43068: txq_cr_lk_dttn_intr_sts [00] 00000000 00000000
0x81c43070: txq_cr_lk_dttn_intr_en  [00] 00000000 00000000
0x81c43024: txq_disc_frm_trap_cnt   00000014

FDS registers
=============
0x81c44000: fds_rxf_ctl             00000002    0x81c44004:
fds_rxf_wait_thresh     00000909
0x81c44018: fds_rxf_first_error     00000000    0x81c4401c:
fds_rxf_first_error_info00000000
0x81c44020: fds_rxf_inout_pkt_cnt   00000000
0x81c44008: fds_rxf_err_int_status  00000000    0x81c44024:
fds_rxf_fifo_status     00888888
0x81c45000: fds_txf_ctl             0000003a    0x81c45004:
fds_txf_wait_ifg_thresh 00a00106
0x81c45008: fds_txf_err_int_status  00000000    0x81c45024:
fds_txf_fifo_status     00088888
0x81c4502c: fds_txf_bbc_scs         00000000

Logical TXQ registers
=====================
0x81c43000: txq_log_port_ctl        00000002    0x81c43008:
txq_port_status         00000000
0x81c4300c: txq_todo_flags          [00] 00000000 00000000
0x81c43014: txq_spd_match_desc      [00] 00000000 00000000 00000000
00000000
0x81c43024: txq_spd_match_desc      [04] 00000014
0x81c43028: txq_vc_weight           [00] 01010101 01010101 01010101
01010101
0x81c43038: txq_vc_weight           [04] 01010101 01010101 01010101
01010101
0x81c43048: txq_vc_weight           [08] 01010101 00010101
0x81c43054: txq_cong_dttn_ctrl      00000000
0x81c43058: txq_cong_dttn_intr_sts  [00] 00000000 00000000
0x81c43060: txq_cong_dttn_intr_en   [00] 00000000 00000000
0x81c43078: txq_bw_limit_en_reg     [00] 00000000 00000000
0x81c43080: txq_bw_gua_en_reg       [00] 00000000 00000000
0x81c43088: txq_vc_group            [00] 03030300 03030303 03030303
03030303
0x81c43098: txq_vc_group            [04] 03030303 03030303 03030303
03030303
0x81c430a8: txq_vc_group            [08] 03030303 03030303 00000000
00000000
0x81c430b0: txq_bw_thresh_group     [00] 00000000 00000000 00000000
00000000
0x81c430c0: txq_bw_thresh_group     [04] 00000000 00000000 00000000
00000000
0x81c430d0: txq_bw_thresh_group     [08] 00000000 00000000 00000000
00000000
0x81c430e0: txq_bw_thresh_group     [12] 00000000 00000000 00000000
00000000
0x81c430f0: txq_bw_thresh_group     [16] 00000000 00000000 00000000
00000000
```

```
0x81c43100: txq_bw_thresh_group     [20] 00000000 00000000 00000000
00000000
0x81c43110: txq_bw_thresh_group     [24] 00000000 00000000 00000000
00000000
0x81c43120: txq_bw_thresh_group     [28] 00000000 00000000 00000000
00000000
0x81c43130: txq_bw_thresh_group     [32] 00000000 00000000 00000000
00000000
0x81c43140: txq_bw_thresh_group     [36] 00000000 00000000 00000000
00000000

txq Congestion detection Statistics RAM
=======================================
0x81090500: vc[0]       00000000        0x81090504: vc[1]
00000000
0x81090508: vc[2]       00000000        0x8109050c: vc[3]
00000000
0x81090510: vc[4]       00000000        0x81090514: vc[5]
00000000
0x81090518: vc[6]       00000000        0x8109051c: vc[7]
00000000
0x81090520: vc[8]       00000000        0x81090524: vc[9]
00000000
0x81090528: vc[10]      00000000        0x8109052c: vc[11]
00000000
0x81090530: vc[12]      00000000        0x81090534: vc[13]
00000000
0x81090538: vc[14]      00000000        0x8109053c: vc[15]
00000000
0x81090540: vc[16]      00000000        0x81090544: vc[17]
00000000
0x81090548: vc[18]      00000000        0x8109054c: vc[19]
00000000
0x81090550: vc[20]      00000000        0x81090554: vc[21]
00000000
0x81090558: vc[22]      00000000        0x8109055c: vc[23]
00000000
0x81090560: vc[24]      00000000        0x81090564: vc[25]
00000000
0x81090568: vc[26]      00000000        0x8109056c: vc[27]
00000000
0x81090570: vc[28]      00000000        0x81090574: vc[29]
00000000
0x81090578: vc[30]      00000000        0x8109057c: vc[31]
00000000
0x81090580: vc[32]      00000000        0x81090584: vc[33]
00000000
0x81090588: vc[34]      00000000        0x8109058c: vc[35]
00000000
0x81090590: vc[36]      00000000        0x81090594: vc[37]
00000000
0x81090598: vc[38]      00000000        0x8109059c: vc[39]
00000000
```

```
Logical STS registers
=====================
0x81584684: sts_ftb_type1_miss      00000000
0x81584688: sts_ftb_type2_miss      00000000
0x8158468c: sts_ftb_type6_miss      00000000
0x81584690: sts_hard_zoning_miss    00000000
0x81584694: sts_lun_zoning_miss     00000000
0x8158469c: sts_unroutable          00000000
0x815816b4: sts_rte_cl2             00000000    0x815816b8:
sts_rte_cl3             00000000        0x815816bc: sts_rte_link_ctl
00000000        0x815846a8: sts_tx_timeout          00000000

Logical STS filter registers
====================
0x81584600: sts_flt_trig            [00] 00000000 00000000 00000000
00000000
0x81584610: sts_flt_trig            [04] 00000000 00000000 00000000
00000000
0x81584620: sts_flt_trig            [08] 00000000 00000000 00000000
00000000
0x81584630: sts_flt_trig            [12] 00000000 00000000 00000000
00000000
0x81584640: sts_flt_trig            [16] 00000000 00000000 00000000
00000000
0x81584650: sts_flt_trig            [20] 00000000 00000000 00000000
00000000
0x81584660: sts_flt_trig            [24] 00000000 00000000 00000000
00000000
0x81584670: sts_flt_trig            [28] 00000000 00000000 00000000
00000000
0x81584680: sts_flt_trig            [32]

Logical STS discard registers
=====================
0x81581ba0: disc_mcast_wka          00000000    0x81581ba4:
disc_inv_did            00000000
0x81581ba8: disc_cl1_cl4            00000000    0x81581bac:
disc_sid_chk_fail       00000000
0x81581bb0: disc_inv_dom_egid_txpt  00000000    0x81581bb4:
disc_vft_hop_cnt_1      00000000
0x81581bb8: disc_classf             00000000    0x81581bbc:
disc_fcp_cdb_inv        00000000
0x81581bc0: disc_vfid_trap_enabled  00000000    0x81581bc4:
disc_vfid_hdr_chk_fail  00000000
0x81581bc8: disc_shim_cksum_fail    00000000    0x81581bcc:
disc_fed_edit_cmd_err   00000000
0x81581bd0: disc_ftb_vm_mode        00000000    0x81581bd4:
disc_ftb_agn_t2_miss    00000000
0x81581bd8: disc_ecb_reserved       00000000    0x81581bdc:
disc_ecb_de_pad_err     00000000
0x81581be0: disc_ecb_de_tag_err     00000000    0x81581be4:
disc_ecb_de_seq_err     00000000
0x81581be8: disc_ecb_err            00000000    0x81581bec:
```

```
disc_ftb_type4_match    00000000
0x81581bf0: disc_fcp_rsp_ftb_type4  00000000    0x81581bf4:
disc_ftb_type5_match    00000000
0x81581bf8: disc_ftb_type3_match    00000000    0x81581bfc:
disc_els_ftb_type3      00000000
0x81581c00: disc_ftb_type1_match    00000000    0x81581c04:
disc_els_rsp_ex_port    00000000
0x81581c08: disc_inv_drp_dps        00000000    0x81581c0c:
disc_did_lookup_miss    00000000
0x81581c10: disc_ftb_type2_match    00000000    0x81581c14:
disc_trpd_plogi_pdisc   00000000
0x81581c18: disc_type2_lookup_miss  00000000    0x81581c1c:
disc_ftb_type6_match    00000000
0x81581c20: disc_els_rep_ex_port    00000000    0x81581c24:
disc_els_sid_lkup_bit1  00000000
0x81581c28: disc_els_sid_lkup_bit0  00000000    0x81581c2c:
disc_bls_frm_trap_bit1  00000000
0x81581c30: disc_ftb_token_err      00000000    0x81581c34:
disc_asic_internal_err  00000000
0x81581c38: disc_hard_zone_miss     00000000    0x81581c3c:
disc_lun_zone_miss      00000000
0x81581c40: disc_flt_frame_disc     00000000    0x81581c44:
disc_flt_parity_err     00000000
0x81581c48: disc_frame_marked_du    00000000    0x81581c4c:
disc_frame_marked_to    00000000
0x81581c50: disc_lkup_rte_prty_err  00000000


portstatsshow 48
stat_wtx                0                   4-byte words transmitted
stat_wrx                0                   4-byte words received
stat_ftx                0                   Frames transmitted
stat_frx                0                   Frames received
stat_c2_frx             0                   Class 2 frames received
stat_c3_frx             0                   Class 3 frames received
stat_lc_rx              0                   Link control frames
received
stat_mc_rx              0                   Multicast frames
received
stat_mc_to              0                   Multicast timeouts
stat_mc_tx              0                   Multicast frames
transmitted
tim_txcrd_z             0                   Time TX Credit Zero
(2.5Us ticks)
tim_txcrd_z_vc  0- 3:  0           0           0           0
tim_txcrd_z_vc  4- 7:  0           0           0           0
tim_txcrd_z_vc  8-11:  0           0           0           0
tim_txcrd_z_vc 12-15:  0           0           0           0
lat_tot_pkt_vc  0- 3:  1           1           1           1
lat_tot_pkt_vc  4- 7:  1           1           1           1
lat_tot_pkt_vc  8-11:  1           1           1           1
lat_tot_pkt_vc 12-15:  1           1           1           1
lat_hi_time_vc  0- 3:  0           0           0           0
lat_hi_time_vc  4- 7:  0           0           0           0
```

```
lat_hi_time_vc  8-11:  0           0           0           0
lat_hi_time_vc 12-15:  0           0           0           0
lat_lo_time_vc  0- 3:  1           1           1           1
lat_lo_time_vc  4- 7:  1           1           1           1
lat_lo_time_vc  8-11:  1           1           1           1
lat_lo_time_vc 12-15:  1           1           1           1
max_latency_vc  0- 3:  1           1           1           1
max_latency_vc  4- 7:  1           1           1           1
max_latency_vc  8-11:  1           1           1           1
max_latency_vc 12-15:  1           1           1           1
latency_dma_ts          09-09-2024 UTC Mon 08:47:25             TXQ
Latency DMA TimeStamp
fec_cor_detected        0                   Count of blocks that
were corrected by FEC
fec_uncor_detected      0                   Count of blocks that
were left uncorrected by FEC
er_enc_in               0                   Encoding errors inside
of frames
er_crc                  0                   Frames with CRC errors
er_trunc                0                   Frames shorter than
minimum
er_toolong              0                   Frames longer than
maximum
er_bad_eof              0                   Frames with bad end-of-
frame
er_enc_out              0                   Encoding error outside
of frames
er_bad_os               0                   Invalid ordered set
er_pcs_blk              0                   PCS block errors
er_rx_c3_timeout        0                   Class 3 receive frames
discarded due to timeout
er_tx_c3_timeout        0                   Class 3 transmit frames
discarded due to timeout
er_unroutable           0                   Frames that are
unroutable
er_unreachable          0                   Frame with unreachable
destination
er_other_discard        0                   Other discards
er_type1_miss           0                   frames with FTB type 1
miss
er_type2_miss           0                   frames with FTB type 2
miss
er_type6_miss           0                   frames with FTB type 6
miss
er_zone_miss            0                   frames with hard zoning
miss
er_lun_zone_miss        0                   frames with LUN zoning
miss
er_crc_good_eof         0                   Crc error with good eof
er_inv_arb              0                   Invalid ARB
er_single_credit_loss   0                   Single vcrdy/frame loss
on link
er_multi_credit_loss    0                   Multiple vcrdy/frame
loss on link
```

```
other_credit_loss       0                   Link timeout/complete
credit loss
phy_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
phy_port stats clear
lgc_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
lgc_port stats clear
fec_corrected_rate      0                   FEC Corrected blocks per
second

portstats64show 48
stat64_wtx      0           top_int : 4-byte words transmitted
                0           bottom_int : 4-byte words transmitted
stat64_wrx      0           top_int : 4-byte words received
                0           bottom_int : 4-byte words received
stat64_ftx      0           top_int : Frames transmitted
                0           bottom_int : Frames transmitted
stat64_frx      0           top_int : Frames received
                0           bottom_int : Frames received
stat64_c2_frx   0           top_int : Class 2 frames received
                0           bottom_int : Class 2 frames received
stat64_c3_frx   0           top_int : Class 3 frames received
                0           bottom_int : Class 3 frames received
stat64_lc_rx    0           top_int : Link control frames received
                0           bottom_int : Link control frames
received
stat64_mc_rx    0           top_int : Multicast frames received
                0           bottom_int : Multicast frames received
stat64_mc_to    0           top_int : Multicast timeouts
                0           bottom_int : Multicast timeouts
stat64_mc_tx    0           top_int : Multicast frames transmitted
                0           bottom_int : Multicast frames
transmitted
tim64_rdy_pri   0           top_int : Time R_RDY high priority
                0           bottom_int : Time R_RDY high priority
tim64_txcrd_z   0           top_int : Time BB_credit zero
                0           bottom_int : Time BB_credit zero
er64_enc_in     0           top_int : Encoding errors inside of
frames
                0           bottom_int : Encoding errors inside of
frames
er64_crc        0           top_int : Frames with CRC errors
                0           bottom_int : Frames with CRC errors
er64_trunc      0           top_int : Frames shorter than minimum
                0           bottom_int : Frames shorter than minimum
er64_toolong    0           top_int : Frames longer than maximum
                0           bottom_int : Frames longer than maximum
er64_bad_eof    0           top_int : Frames with bad end-of-frame
                0           bottom_int : Frames with bad end-of-
frame
er64_enc_out    0           top_int : Encoding error outside of
frames
                0           bottom_int : Encoding error outside of
frames
er64_disc_c3    0           top_int : Class 3 frames discarded
```

```
                0           bottom_int : Class 3 frames discarded
er64_pcs_blk    0           top_int : PCS block errors
                0           bottom_int : PCS block errors
stat64_rateTxFrame      0           Tx frame rate (fr/sec)
stat64_rateRxFrame      0           Rx frame rate (fr/sec)
stat64_rateTxPeakFrame  0           Tx peak frame rate (fr/sec)
stat64_rateRxPeakFrame  0           Rx peak frame rate (fr/sec)
stat64_rateTxWord       0           Tx Word rate (words/sec)
stat64_rateRxWord       0           Rx Word rate (words/sec)
stat64_rateTxPeakWord   0           Tx peak Word rate (words/sec)
stat64_rateRxPeakWord   0           Rx peak Word rate (words/sec)
stat64_PRJTFrames       0           top_int : Number of PRJT frames
returned to this port
                        0           bottom_int : Number of PRJT
frames returned to this port
stat64_PBSYFrames       0           top_int : Number of PBSY frames
returned to this port
                        0           bottom_int : Number of PBSY
frames returned to this port
stat64_inputBuffersFull 0           top_int : Number of occurrences
when all input buffers full
                        0           bottom_int : Number of
occurrences when all input buffers full
stat64_rxClass1Frames   0           top_int : Number of class 1
frames received
                        0           bottom_int : Number of class 1
frames received
stat64_aveTxFrameSize   0           Average Tx Frame size
stat64_aveRxFrameSize   0           Average Rx Frame size
Lr_in           0           top_int
                0           bottom_int
Ols_in          0           top_int
                0           bottom_int
Lr_out          0           top_int
                0           bottom_int
Ols_out         0           top_int
                0           bottom_int
Link_failure    0           top_int
                0           bottom_int
Invalid_CRC     0           top_int
                0           bottom_int
Invalid_word    0           top_int
                0           bottom_int
Protocol_err    0           top_int
                0           bottom_int
Loss_of_sig     0           top_int
                0           bottom_int
Loss_of_sync    0           top_int
                0           bottom_int
er_bad_os       0           top_int : Invalid ordered set
                0           bottom_int: Invalid ordered set


portrouteshow 48
```

```
port address ID: 0x013000
external unicast routing table:
   0: Embedded
 255: Embedded
internal unicast routing table:
   0: Embedded

portcamshow 48
-------------------------------------------------
Port  SID used  DID used  SID entries  DID entries
48     0         0         000000       000000
-------------------------------------------------

ptbufshow, ptcreditshow, ptdatashow, ptstatsshow 48
S:
S:VF Enable:            1
S:
S:C4 Global Variable:
S:-------------------------------------------------------------------
---------
S:trace_stop:           0
S:
S:C4 Phy Data Pointers: c4_phyp = 0xb6ac2080
S:-------------------------------------------------------------------
---------
S:tnodep                        0xbb8342a0      pt
        0x43028008
S:proto_phyp            0xb8807480      phy_cfg
0xb6ac30c0
S:c4_chp                        0x97e28000      c4_lgcp
0x97f68000
S:c4_phy_regp           0x81c40000      proc_dir
0xb8515500
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4345678      num_port_timer          12
S:prev_if_id            0x43020008      S:ftx                   0
        tov                     0
S:initialized           0               port_idx                8
S:ui_idx                        48              slot_no
        0
S:blade_idx             8               sw_usr_ports            400
S:unused                        0               intr_debounced
        0
S:aec_status            0x0             reason_code
        0
S:debug                 0x00000004      debug_trc_line          0
S:rxbuf_list_head       0xffffffff      rxbuf_list_tail
0xffffffff
S:isAePort                      0               port_misc_data
                0
S:num_fault1_rx_disc    0               num_fault2_rx_disc      0
S:p_lli_cause0          0               p_sig_regained          0
S:p_sync_regained               0               enc_out
```

```
        0x0
S:cached_fps_status     0               cached_sts_status       0
S:cached_er_crc_good_eof        0
S:cached_er_bad_os      0               cached_er_too_long      0
S:cached_er_trunc       0
cached_tot_er_crc_good_eof      0
S:num_pt_excess_intr    0               num_no_fid              0
S:num_fault1_cnt                0               num_fault2_cnt
        0
S:num_fault_lip         0               num_fault_lli           0
S:num_fault_rx_fifo     0               num_fault_hss           0
S:num_fault_bwait               0               lli_intr_prim
        0
S:num_sw_link_to                0
be_link_err_mon_count           0
S:ecb_enc_enabled               0               ecb_comp_enabled
                0
S:ecb_rsv_enc           0               ecb_rsv_comp            0
S:ecb_enc_bm            0x0             ecb_key_index
0xffffffff
S:fab_idx               4
S:num_be_lto            0               lto_count_reset_intvl
        0
S:lr_count_reset_intvl          0               num_be_lr
        0
S:num_fault_qsfp                0               check_lto
        0
S:credit_loaded         0               num_credit_overrun
        0
S:fec_enabled           0x0             fec_los_to_flag         0x0
S:phy_stats_clear_ts            1725611419      pcs_err_online
        0
S:pcs_err_light_det             0               pcs_err_ignore
        0
S:pcs_blk_err           0               pcs_hiber               0
S:phy_port_status               0               ecb_enc_lr_count
                0
S:dport_mode            0               avoid_lto_det           0
S:sn_debounced          0x0             sn_started_kr_reqd      0
S:major_timer_started   0x0             ready_bm                0x0
S:parln_1_bm            0x0             parln_0_bm              0x0
S:be_los_of_sync_event_intvl            0
be_los_of_sync_event            0
S:errataPtenable_cntr           0               errataPoll_cntr
        0
S:jda_rx_sig_loss_det           0               jda_rx_sig_loss_cnt
                0
S:encrypt_blk_error             0
S:
S:      c4_trunk
S:======================================
S:mark_ts               0x0             deskew                  0x0
S:master_phyp           0x0
S:
```

```
S:adelay[00]: 0x00000000 0x00000000 0x00000000 0x00000000
S:adelay[04]: 0x00000000 0x00000000 0x00000000 0x00000000
S:
S:      c4_buf
S:=====================================
S:tx_csc                        0               rx_csc
        0
S:ld_vc_credits         0               tx_flag                 0x0
S:alloc_buffers         0               req_buffers             0
S:est_buffers           20              ld_use_est              0
S:bb_sc_n                       0               rx_bb_sc_n
        0
S:data_cr                       5               nondata_cr
        6
S:cr_enable             0
S:ld_nondata_cr         6               tnodep
0xbb834380
S:tx_credits[0] 0    0    0    0    0    0    0    0
S:tx_credits[8] 0    0    0    0    0    0    0    0
S:tx_credits[16]        0    0    0    0    0    0    0    0
S:tx_credits[24]        0    0    0    0    0    0    0    0
S:tx_credits[32]        0    0    0    0    0    0    0    0
S:rx_credits[0] 0    0    0    0    0    0    0    0
S:rx_credits[8] 0    0    0    0    0    0    0    0
S:rx_credits[16]        0    0    0    0    0    0    0    0
S:rx_credits[24]        0    0    0    0    0    0    0    0
S:rx_credits[32]        0    0    0    0    0    0    0    0
S:tx_mbc[0]     0    0    0    0    0    0    0    0
S:tx_mbc[8]     0    0    0    0    0    0    0    0
S:tx_mbc[16]    0    0    0    0    0    0    0    0
S:tx_mbc[24]    0    0    0    0    0    0    0    0
S:tx_mbc[32]    0    0    0    0    0    0    0    0
S:rx_mbc[0]     0    0    0    0    0    0    0    0
S:rx_mbc[8]     0    0    0    0    0    0    0    0
S:rx_mbc[16]    0    0    0    0    0    0    0    0
S:rx_mbc[24]    0    0    0    0    0    0    0    0
S:rx_mbc[32]    0    0    0    0    0    0    0    0
S:
S:C4 Chip Variables: c4_phyp->c4_chp = 0x97e28000
S:-------------------------------------------------------------------
---------
S:version = 2.1
S:magic_id              0xc4234567      init_state              0x8
S:reset_reg_mem         0x1
S:ch_int0_en_bm         0x0             intr0_cause             0x0
S:ch_int1_en_bm         0x0             intr1_cause             0x0
S:ch_int2_en_bm         0x0             intr2_cause             0x0
S:ch                    0x43010080      ch_cfg
0xb7013ba0
S:raslog_hndl.hndl      0x0             obj_halted              0x0
S:c4_chip_regp          0x80000000      c4_fpg_regp
0x81800000
S:num_chip_timer        0x5
S:hi_task_bm            0x0             lo_task_bm              0x0
```

```
S:c4_deferq.q_head      0x0             c4_deferq.q_tail        0x0
S:c4_tmrq.q_head        0x0             c4_tmrq.q_tail          0x0
slot_no                 0
S:chip_inst             0               chip_idx                0
S:pll_initialized               1
pll_serdes_initialized  1
S:init_tries            0               init_ptEnableBM
0xba01b488
S:tick_polling          0xb980c9c0      sec_polling
0xb980c960
S:bb_fid                        129
S:ecb_key_bm[0]         0x0             ecb_key_bm[1]           0x0
S:ecb_key_bm[2]         0x0             ecb_key_bm[3]           0x0
S:is_chip_enc_enabled                   0
is_chip_comp_enabled    0x0
S:ftb_rsrcp->ftb_flags  0x0             act_rsrcp->act_flag     0x1
S:lue_rsrcp->lue_flags[0]       0x0             lue_rsrcp-
>lue_flags[1]   0x0
S:c4_phyp[00]: 0xb6ab0000 0xb6ab2080 0xb6ab4100 0xb6ab6180
S:c4_phyp[04]: 0xb6ab9040 0xb6abb0c0 0xb6abd140 0xb6ac0000
S:c4_phyp[08]: 0xb6ac2080 0xb6ac4100 0xb6ac6180 0xb6ac9040
S:c4_phyp[12]: 0xb6acb0c0 0xb6acd140 0xb6ad0000 0xb6ad2080
S:c4_phyp[16]: 0xb6ad4100 0xb6ad6180 0xb6ad9040 0xb6adb0c0
S:c4_phyp[20]: 0xb6add140 0xb6ae0000 0xb6ae2080 0xb6ae4100
S:c4_phyp[24]: 0xb6ae6180 0xb6ae9040 0xb6aeb0c0 0xb6aed140
S:c4_phyp[28]: 0xb6af0000 0xb6af2080 0xb6af4100 0xb6af6180
S:c4_phyp[32]: 0xb6af9040 0xb6afb0c0 0xb6afd140 0xb6b00000
S:c4_phyp[36]: 0xb6b02080 0xb6b04100 0xb6b06180 0xb6b09040
S:c4_phyp[40]: 0xb6b0b0c0 0xb6b0d140 0xb6b10000 0xb6b12080
S:c4_phyp[44]: 0xb6b14100 0xb6b16180 0xb6b19040 0xb6b1b0c0
S:c4_phyp[48]: 0xb6b1d140 0xb6b20000 0xb6b22080 0xb6b24100
S:c4_phyp[52]: 0xb6b26180 0xb6b29040 0xb6b2b0c0 0xb6b2d140
S:c4_phyp[56]: 0xb6b30000 0xb6b32080 0xb6b34100 0xb6b36180
S:c4_phyp[60]: 0xb6b39040 0xb6b3b0c0 0xb6b3d140 0xb6b40000
S:c4_lgcp[00]: 0x97f48000 0x97f4c000 0x97f50000 0x97f54000
S:c4_lgcp[04]: 0x97f58000 0x97f5c000 0x97f60000 0x97f64000
S:c4_lgcp[08]: 0x97f68000 0x97f6c000 0x97f70000 0x97f74000
S:c4_lgcp[12]: 0x97f78000 0x97f7c000 0x97f80000 0x97f84000
S:c4_lgcp[16]: 0x97f88000 0x97f8c000 0x97f90000 0x97f94000
S:c4_lgcp[20]: 0x97f98000 0x97f9c000 0x97fa0000 0x97fa4000
S:c4_lgcp[24]: 0x97fa8000 0x97fac000 0x97fb0000 0x97fb4000
S:c4_lgcp[28]: 0x97fb8000 0x97fbc000 0x97fc0000 0x97fc4000
S:c4_lgcp[32]: 0x97fc8000 0x97fcc000 0x97fd0000 0x97fd4000
S:c4_lgcp[36]: 0x97fd8000 0x97fdc000 0x97fe0000 0x97fe4000
S:c4_lgcp[40]: 0x97fe8000 0x97fec000 0x97ff0000 0x97ff4000
S:c4_lgcp[44]: 0x97ff8000 0x97ffc000 0x8e000000 0x8e004000
S:c4_lgcp[48]: 0x8e008000 0x8e00c000 0x8e010000 0x8e014000
S:c4_lgcp[52]: 0x8e018000 0x8e01c000 0x8e020000 0x8e024000
S:c4_lgcp[56]: 0x8e028000 0x8e02c000 0x8e030000 0x8e034000
S:c4_lgcp[60]: 0x8e038000 0x8e03c000 0x8e040000 0x8e044000
S:chip_timers[00]: 0xb980c720 0xb980c780 0xb980c7e0 0xb980c840
S:chip_timers[04]: 0xb980c8a0 0xb980c900
S:disc_trap_enable_required     0x0             rxlp_disc_log_stop
        0x0
```

```
S:curr_rxlp_frm_cnt     0x0             curr_rxlp_disc_frm_cnt  0x0
S:sw_disc_frm_cnt       0x0             last_disc_frm_cnt       0x0
S:txq_nopop_pr_cnt      0x0             pollErrataDfe_ptBM
0xba01b4b0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][0]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][1]  0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][2]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][0] 0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][1]       0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][2] 0x0
S:
S:C4 Logical Port Variables
S:-----------------------------------------------------------------
---------
S:c4_lgc_regp           0x81c40000
S:c4_phyp:
S:      0xb6ac2080      0x0             0x0             0x0

S:      0x0             0x0             0x0             0x0

S:master_phyp           0xb6ac2080      if_id
0x43020008
S:min_phyp              0x0             max_phyp                0x0
S:num_phy_ports         1               lgc_num                 8
S:num_iu_to             0               sw_txq_bm
        0
S:port_fid              129             unused                  0
S:port_group            1               lgc_stats_clear_ts
               1725611419
S:domain_tbl_sel                0               area_tbl_sel
        0
S:egid_tbl_sel          0
S:serv_lo_bm            0x0
S:
S:Proto Phy Variables:
S:-----------------------------------------------------------------
---------
S:magic_id              0xc4123456      asic_phyp
0xb6ac2080
S:port_id                       0x43028008      phy_cfg
        0xb6ac30c0
S:upsm_hdl              0xb8011be0      physm_hdl
0xb8011960
S:ov_snsm_hdl           0xb8011820      sw_snsm_hdl
0xb80118c0
S:ov_lksm_hdl           0xb8011a00      sw_lksm_hdl
0xb8011aa0
S:trksm_hdl             0xb8011b40      lr_flag         0x0
S:lr_active             0x0             qsfp_txrx_rate_sel
        0x0
S:
S:UPSM      UP00: UPST_PORT_DISABLED    --> UP00: UPST_PORT_DISABLED
S:SNSM(OV)  SN00: OV_SNST_STOPPED       --> SN00: OV_SNST_STOPPED
S:SNSM(SW)  SW00: SW_SNST_STAGE_WS      --> SW00: SW_SNST_STAGE_WS
```

```
S:PHYSM     PP00: PHYST_STOPPED         --> PP00: PHYST_STOPPED
S:LKSM(OV)  LK00: OV_LKST_INACTIVE      --> LK00: OV_LKST_INACTIVE
S:LKSM(SW)  SW13: INACTIVE              --> SW13: INACTIVE
S:TRKSM     TRK0: TRKST_INIT            --> TRK0: TRKST_INIT
S:
S:physm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8807480      physm_hdl
0xb8011960
S:force_offline         0               copper                  0
S:fault_reason          0: UNKNOWN
S:phy_media_present             0
S:
S:snsm variables:
S:-------------------------------------------------------------------
---------
S:speed                 0xff            proto_phyp
0xb8807480
S:hw_sn_tries_left      0x0             sw_sn_tries_left        0x0
S:curr_txsp_count               0x0
S:tx_max                        0x0             curr_tx_indx
        0x0
S:curr_tx                       0x0             curr_rxsp_count
        0x0
S:rx_max                        0x0             curr_rx_indx
        0x0
S:curr_rx                       0x0             rx_mem
        0x0
S:rxsp_rec_count                0x0
S:nc_start              0x0             tx_start                0x0
S:sync_start            0x0             sync_present            0x0
S:diag_auto             0x0             diag_speed              0xff
S:striped_wd_tov                3000            hw_wd_tov
        3000
S:step                  0x0             qsfp28_speed_mode
        0x0
S:qsfp_mode0_hw_sn_tries_left           0x0
S:qsfp_mode1_hw_sn_tries_left           0x0
S:
S:lksm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8807480      ov_lksm_hdl
0xb8011a00
sw_lksm_hdl             0xb8011aa0
num_lf1                 0
S:hw_link_tries_left    0               sw_link_tries_left      0
S:buf_ptype             0x0             stored_entry_state      0x6
S:handshake_owner               0x0             mark_unsent
        0x0
S:busybuf_stuck         0x0             lr_wait                 0x0
S:
S:trksm variables:
```

```
S:-------------------------------------------------------------------
---------
S:Not a trunk port
S:
S:upsm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8807480      upsm_hdl
0xb8011be0
S:bb_credits            0               port_beacon             0
S:port_diag_flag                0               force_offline
        0
S:port_fault_rsn                0: PORT_NO_FAULT
S:retry_init_rsn                0: UNKNOWN
S:linit_reason          0               linit_result            0
S:ie_fctl_mode          0               fec_in_sync_tries_left  0
S:retry_sn_fail_init    0
retry_link_fail_init    0
S:excess_lr_count       0
S:
S:c4_ch_cfg
S:-------------------------------------------------------------------
---------
S:c4_desc_ring_size     256      292      256      256      292
292      2        292      292
S:thresh_def            0        16       1        0
S:intr_tries            500             cmem_pattern
0xdeadbeef
S:cmem_pattern_upwd     2               cmem_init_time          16
S:cmem_init_tries               5
S:ctrl_par_thresh               2               data_par_thresh
        4
S:cam_par_thresh                4               buf_loss_thresh
        12
S:crit_par_thresh               2               non_crit_par_thresh
        6
S:pci_abort_thresh      10              pci_err_thresh          5
S:excess_chintr_thresh  8               sw_err_thresh           20
S:err_sample_period     300             intr_sleep
20000
S:frame_timeout 2500            proxy_dev               16384
S:vf_route      81920           qos             2048
S:stats 2048            f_redirect              2048
S:rsp_trap      2048            lun_zoning              20480
S:area_mode     0               ftb_max_loop[0]         0
S:ftb_max_loop[1]       6               ftb_max_loop[2]         9
S:ftb_max_loop[3]       10              ftb_max_loop[4]         10
S:ftb_max_loop[5]       5               ftb_max_loop[6]         6
S:ftb_seg_size[0]       0               ftb_seg_size[1]
16384
S:ftb_seg_size[2]       65536           ftb_seg_size[3]
16384
S:ftb_seg_size[4]       16384           ftb_seg_size[5]
65536
```

```
S:ftb_seg_size[6]       16384           ftb_seg_base[0]         0
S:ftb_seg_base[1]       0               ftb_seg_base[2]
65536
S:ftb_seg_base[3]       16384           ftb_seg_base[4]
32768
S:ftb_seg_base[5]       131072          ftb_seg_base[6]
49152
asic_err_monitor_period1                300
asic_err_monitor_period2                86400
zone_chk_to_poll_period 25
zone_chk_class2_reject_tov              220
S:
S:c4_phy_cfg
S:-------------------------------------------------------------------
---------
S:version = 2.1
S:pt                    0x43028008      fab_ptr
0x9a800000
S:fabattr                       0x9a8000d4      fab_iop
        0x9a800050
S:cfgbm                 0xbb8340e4      port_ctrl
0xb6ac30d8
S:pcap.pcap_bm          0x8d215547      pcap.pcap2_bm
0x2588289
S:pcap.pcap3_bm         0x1bebe0c
ui_idx                  48              S:slot_no
        0
is_icl                  0               S:sw_usr_ports          400
S:neg_speed             0 0 0 0 0 0
S:my_domain             0x1             port_mode               0x0
S:hw_sn_maxtries                100             sw_sn_maxtries
        0
S:hw_link_maxtries      10              sw_link_maxtries        5
S:rx_cyc_tov            28              rttov                   300
S:bufrdy_tov            300             busybuf_tov             286
S:mark_tov              300             lksm_tov                3000
S:buf_dealloc_wait      4               hw_wd_tov               3000
S:hw_lk_train_tov               540             hw_lk_test_tov
        150
S:syswait_tx_12_lips    1               lip_rx_tov              55
S:al_time_tov           15              lp_tov                  2000
S:intr_tries_port               500             intr_mod_debounce
        250
S:intr_lsr_flt_debounce 500             intr_efifo_debounce     100
S:port_no_fid           3               excess_ptintr_thresh    8
S:port_fault1_thresh    100             port_fault1_spur_thresh 250
S:port_fault1_disc_thresh       500
port_fault1_disc_spur_thresh    1000
S:port_fault2_thresh    5               losync_tov              100
S:port_sw_link_to               15              en_8g_scramble
        1
frc_hw_sn_mode          0x1
S:enc_poll_thresh               0               fec_enable
        0
```

```
S:fec_in_sync_to                50              fec_in_sync_try_max
        4
S:port_be_lto_threshold         100             port_be_lr_threshold
              2
S:be_cr_in_sync_to              5
port_credit_overrun_thresh              10
S:jda_sfp_losig_tov             400
jda_sfp_losig_try_max           30
S:striped_wd_tov                3000
no_sync_debounce                1200
S:
S:      fab_iop
S:======================================
S:fab_iop->interop_mode 0x0             fab_iop->lab_mode       0x0
S:fab_iop->fl_bbc               0x0             fab_iop->fl_fan
        0x0
S:fab_iop->fl_cls               0x4             fab_iop->fl_rscn
        0x0
S:fab_iop->domain_id_offset     0x60            fab_iop-
>mcdt_fabric_mode       0x0
S:fab_iop->mcdt_default_zone            0x0             fab_iop-
>mcdt_safe_zone         0x0
S:
S:      port_ctrl
S:======================================
S:port_ctrl.port_type   1               port_ctrl.port_grp      1
S:port_ctrl.port_number 48              port_ctrl.vc_mode       1
S:
S:      port_ctrl.lcap
S:======================================
S:has_serdes            0               has_media               1
S:topology              1               skip_nego               0
S:skip_pnego            0               skip_init_event         0
S:en_shim                       0               speed_neg
        1
S:loop_back             0               num_speeds              5
S:fec_enable            0
S:
S:      port_ctrl.speed_list array
S:======================================
S:speed_list[0].auto_neg  1     speed_list[0].lnk_speed  0x0000000a
S:speed_list[1].auto_neg  1     speed_list[1].lnk_speed  0x00000008
S:speed_list[2].auto_neg  1     speed_list[2].lnk_speed  0x00000006
S:speed_list[3].auto_neg  1     speed_list[3].lnk_speed  0x00000005
S:speed_list[4].auto_neg  1     speed_list[4].lnk_speed  0x00000003
S:speed_list[5].auto_neg  0     speed_list[5].lnk_speed  0x00000000
S:
S:      port_ctrl.cm
S:======================================
S:port_ctrl.cm.num_vcs          8
S:port_ctrl.cm.min_bufs         8
S:port_ctrl.cm.cr_shar_bufs     0
S:port_ctrl.vc_alloc
S:port_ctrl.vc_alloc            2 0 1 1 1 1 1 1
```

```
S:port_ctrl.vc_alloc            0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.norm_vc_alloc
S:port_ctrl.norm_vc_alloc       4 0 5 5 5 5 1 1
S:port_ctrl.norm_vc_alloc       0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.cm.skip_bb_credit           0
S:port_ctrl.cm.use_shim_based_sublist           0
S:
S:      port_ctrl.serdes_set
S:=====================================
S:serdes_type           0x8
S:serdes_data_t.ibm_hss_serdes.tx_drive_power           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b_sign      0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_a           0x0
S:serdes_data_t.ibm_hss_serdes.rxeq                     0x0
S:
S:      cfgbm
S:=====================================
S:old_distance          0x0             gport_lockdown          0x0
S:tport                 0x1             speed                   0x0
S:disable_eport         0x0             fcacc                   0x0
S:lport_lockdown                0x0             priv_lport_lockdown
        0x0
S:vcxlt_linit           0x0             delay_flogi             0x0
S:isl_interop           0x0             distance                0x0
S:BufStarvFlag          0x0             credit_sharing          0x0
S:lport_halfduplex      0x0             lport_fairness          0x0
S:soft_neg              0x0             asn_frc_hwretry         0x0
S:cr_recov              0x0             fport_buffers           0x0
S:export                        0x0             export_mode
        0x0
S:csctl_en              0x0             mirror_port             0x0
S:fault_delay           0x0             non_dfe                 0x0
S:fec_configured*(0=ENAB)       0               fec_tts
        0
S:port_persistently_disabled (permanently) 0 (0)
S:
S:      cfg property
S:=====================================
S:priv_pcfg_bm          0x00000000      lgcl_pcfg_bm
0xbb834124
S:fport_buffer          0x00000000
S:
S:
S:C4 Discard Cntrs: rxlp_stats = 0xb6ac2430
S:-------------------------------------------------------------------
---------
S:disc_mcast_wka        0x0             disc_inv_did            0x0
S:disc_cl1_cl4          0x0             disc_sid_chk_fail       0x0
S:disc_inv_dom_egid_txpt        0x0             disc_vft_hop_cnt_1
        0x0
S:disc_classf           0x0             disc_fcp_cdb_inv        0x0
```

```
S:disc_vfid_trap_enabled        0x0
disc_vfid_hdr_chk_fail  0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_ftb_vm_mode      0x0             disc_ftb_agn_t2_miss    0x0
S:disc_ecb_de_pad_err   0x0             disc_ecb_de_tag_err     0x0
S:disc_ecb_de_seq_err   0x0             disc_ecb_err            0x0
S:disc_ftb_type4_match  0x0             disc_fcp_rsp_ftb_type4  0x0
S:disc_fcp_rsp_ftb_type4        0x0             disc_ftb_type5_match
        0x0
S:disc_ftb_type3_match  0x0             disc_els_ftb_type3      0x0
S:disc_ftb_type1_match  0x0             disc_els_rsp_ex_port    0x0
S:disc_inv_drp_dps      0x0             disc_did_lookup_miss    0x0
S:disc_ftb_type2_match  0x0             disc_trpd_plogi_pdisc   0x0
S:disc_type2_lookup_miss        0x0             disc_ftb_type6_match
        0x0
S:disc_els_rep_ex_port  0x0             disc_els_sid_lkup_bit1  0x0
S:disc_els_sid_lkup_bit0        0x0
disc_bls_frm_trap_bit1  0x0
S:disc_ftb_token_err    0x0             disc_asic_internal_err  0x0
S:disc_hard_zone_miss   0x0             disc_lun_zone_miss      0x0
S:disc_flt_frame_disc   0x0             disc_flt_parity_err     0x0
S:disc_frame_marked_du  0x0             disc_frame_marked_to    0x0
E:Connection type: FE
E:Port type: E_port
E:Trunk port: No
E:Configured Speed: AUTO_SPEED_NEGO
E:Max Capable Speed: 32G
E:Current SNSM Speed: UNDEFINED
E:Hardware TX Speed: 32G (0x00000004)
E:Hardware RX Speed: 32G (0x00000040)
E:
E:Interrupts:   0           Link_failure:       0
Loss_of_sync:   0           Loss_of_sig:        0
E:Lli:          0           Invalid_word:       0
E:trapped_frm:  0           fwd_status_ok:      0
E:fwd_timeout:  0           fwd_tx_unavail:     0
E:fwd_unroutable:       0           fwd_zone_out:       0
E:fwd_other_err:        0           frm_err_discard:    0
E:Fltr listA:   0           Fltr listB:         0
E:Zone trap fwd:        0           Zone trap disc:     0
E:shim_csum:    0           RTE_perr:           0
E:Invalid_crc:  0           Delim_err:          0
E:Protocol_err: 0
E:Lr_in:        0           Lr_out:             0
E:Ols_in:       0           Ols_out:            0


filterportshow 48

                FILTER DATA
                -----------
Shadow settings:
   Filter Enable: 0x00000000
```

```
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass: 0x00000000
Real settings:
   Enable RAM: 0x00000000, 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
```

```
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass RAM: 0x00000000

Shadowed filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        c4_fldenable[0] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[0] = 0x00000000,c4_fltr_config[0] = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        c4_fldenable[1] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[1] = 0x00000000,c4_fltr_config[1] = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        c4_fldenable[2] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[2] = 0x00000000,c4_fltr_config[2] = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        c4_fldenable[3] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[3] = 0x00000000,c4_fltr_config[3] = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        c4_fldenable[4] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[4] = 0x00000000,c4_fltr_config[4] = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        c4_fldenable[5] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[5] = 0x00000000,c4_fltr_config[5] = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        c4_fldenable[6] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[6] = 0x00000000,c4_fltr_config[6] = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        c4_fldenable[7] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[7] = 0x00000000,c4_fltr_config[7] = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        c4_fldenable[8] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[8] = 0x00000000,c4_fltr_config[8] = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
```

```
        c4_fldenable[9] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[9] = 0x00000000,c4_fltr_config[9] = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        c4_fldenable[10] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[10] = 0x00000000,c4_fltr_config[10] =
0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        c4_fldenable[11] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[11] = 0x00000000,c4_fltr_config[11] =
0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        c4_fldenable[12] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[12] = 0x00000000,c4_fltr_config[12] =
0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        c4_fldenable[13] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[13] = 0x00000000,c4_fltr_config[13] =
0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        c4_fldenable[14] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[14] = 0x00000000,c4_fltr_config[14] =
0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        c4_fldenable[15] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[15] = 0x00000000,c4_fltr_config[15] =
0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        c4_fldenable[16] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[16] = 0x00000000,c4_fltr_config[16] =
0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        c4_fldenable[17] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[17] = 0x00000000,c4_fltr_config[17] =
0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        c4_fldenable[18] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[18] = 0x00000000,c4_fltr_config[18] =
0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        c4_fldenable[19] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[19] = 0x00000000,c4_fltr_config[19] =
0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
```

```
        c4_fldenable[20] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[20] = 0x00000000,c4_fltr_config[20] =
0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        c4_fldenable[21] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[21] = 0x00000000,c4_fltr_config[21] =
0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        c4_fldenable[22] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[22] = 0x00000000,c4_fltr_config[22] =
0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        c4_fldenable[23] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[23] = 0x00000000,c4_fltr_config[23] =
0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        c4_fldenable[24] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[24] = 0x00000000,c4_fltr_config[24] =
0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        c4_fldenable[25] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[25] = 0x00000000,c4_fltr_config[25] =
0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        c4_fldenable[26] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[26] = 0x00000000,c4_fltr_config[26] =
0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        c4_fldenable[27] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[27] = 0x00000000,c4_fltr_config[27] =
0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        c4_fldenable[28] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[28] = 0x00000000,c4_fltr_config[28] =
0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        c4_fldenable[29] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[29] = 0x00000000,c4_fltr_config[29] =
0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        c4_fldenable[30] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[30] = 0x00000000,c4_fltr_config[30] =
0x00000000
```

```
Filter 31: Not Installed (IPM2)(LISTA)
        c4_fldenable[31] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[31] = 0x00000000,c4_fltr_config[31] =
0x00000000


Real filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 11: Not Installed (SIM)(LISTA)
```

```
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
```

```
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000

Filter dirty indicator: 0x00000000
Performance filters: 0
Port Mirror filters: 0 (0x0)


               FIELD DATA
               ----------

Shadowed fields:

fldoffset[0] = 0x00,fldmask[0] = 0x00,fldvalue_dyna[0]:0x00 0x00
0x00 0x00
fldcontrol[0].inuse = 0x0  fldcontrol[0].refcnt = 0x00 0x00 0x00
0x00
fldoffset[1] = 0x00,fldmask[1] = 0x00,fldvalue_dyna[1]:0x00 0x00
0x00 0x00
fldcontrol[1].inuse = 0x0  fldcontrol[1].refcnt = 0x00 0x00 0x00
0x00
fldoffset[2] = 0x00,fldmask[2] = 0x00,fldvalue_dyna[2]:0x00 0x00
0x00 0x00
fldcontrol[2].inuse = 0x0  fldcontrol[2].refcnt = 0x00 0x00 0x00
0x00
fldoffset[3] = 0x00,fldmask[3] = 0x00,fldvalue_dyna[3]:0x00 0x00
0x00 0x00
```

fldcontrol[3].inuse = 0x0 fldcontrol[3].refcnt = 0x00 0x00 0x00
0x00
fldoffset[4] = 0x00,fldmask[4] = 0x00,fldvalue_dyna[4]:0x00 0x00
0x00 0x00
fldcontrol[4].inuse = 0x0 fldcontrol[4].refcnt = 0x00 0x00 0x00
0x00
fldoffset[5] = 0x00,fldmask[5] = 0x00,fldvalue_dyna[5]:0x00 0x00
0x00 0x00
fldcontrol[5].inuse = 0x0 fldcontrol[5].refcnt = 0x00 0x00 0x00
0x00
fldoffset[6] = 0x00,fldmask[6] = 0x00,fldvalue_dyna[6]:0x00 0x00
0x00 0x00
fldcontrol[6].inuse = 0x0 fldcontrol[6].refcnt = 0x00 0x00 0x00
0x00
fldoffset[7] = 0x00,fldmask[7] = 0x00,fldvalue_dyna[7]:0x00 0x00
0x00 0x00
fldcontrol[7].inuse = 0x0 fldcontrol[7].refcnt = 0x00 0x00 0x00
0x00
fldoffset[8] = 0x00,fldmask[8] = 0x00,fldvalue_dyna[8]:0x00 0x00
0x00 0x00
fldcontrol[8].inuse = 0x0 fldcontrol[8].refcnt = 0x00 0x00 0x00
0x00
fldoffset[9] = 0x00,fldmask[9] = 0x00,fldvalue_dyna[9]:0x00 0x00
0x00 0x00
fldcontrol[9].inuse = 0x0 fldcontrol[9].refcnt = 0x00 0x00 0x00
0x00
fldoffset[10] = 0x00,fldmask[10] = 0x00,fldvalue_dyna[10]:0x00 0x00
0x00 0x00
fldcontrol[10].inuse = 0x0 fldcontrol[10].refcnt = 0x00 0x00 0x00
0x00
fldoffset[11] = 0x00,fldmask[11] = 0x00,fldvalue_dyna[11]:0x00 0x00
0x00 0x00
fldcontrol[11].inuse = 0x0 fldcontrol[11].refcnt = 0x00 0x00 0x00
0x00
fldoffset[12] = 0x00,fldmask[12] = 0x00,fldvalue_dyna[12]:0x00 0x00
0x00 0x00
fldcontrol[12].inuse = 0x0 fldcontrol[12].refcnt = 0x00 0x00 0x00
0x00
fldoffset[13] = 0x00,fldmask[13] = 0x00,fldvalue_dyna[13]:0x00 0x00
0x00 0x00
fldcontrol[13].inuse = 0x0 fldcontrol[13].refcnt = 0x00 0x00 0x00
0x00
fldoffset[14] = 0x00,fldmask[14] = 0x00,fldvalue_dyna[14]:0x00 0x00
0x00 0x00
fldcontrol[14].inuse = 0x0 fldcontrol[14].refcnt = 0x00 0x00 0x00
0x00
fldoffset[15] = 0x00,fldmask[15] = 0x00,fldvalue_dyna[15]:0x00 0x00
0x00 0x00
fldcontrol[15].inuse = 0x0 fldcontrol[15].refcnt = 0x00 0x00 0x00
0x00
fldoffset[16] = 0x00,fldmask[16] = 0x00,fldvalue_dyna[16]:0x00 0x00
0x00 0x00
fldcontrol[16].inuse = 0x0 fldcontrol[16].refcnt = 0x00 0x00 0x00
0x00

```
fldoffset[17] = 0x00,fldmask[17] = 0x00,fldvalue_dyna[17]:0x00 0x00
0x00 0x00
fldcontrol[17].inuse = 0x0  fldcontrol[17].refcnt = 0x00 0x00 0x00
0x00
fldoffset[18] = 0x00,fldmask[18] = 0x00,fldvalue_dyna[18]:0x00 0x00
0x00 0x00
fldcontrol[18].inuse = 0x0  fldcontrol[18].refcnt = 0x00 0x00 0x00
0x00
fldoffset[19] = 0x00,fldmask[19] = 0x00,fldvalue_dyna[19]:0x00 0x00
0x00 0x00
fldcontrol[19].inuse = 0x0  fldcontrol[19].refcnt = 0x00 0x00 0x00
0x00

Real fields:

fldoffset RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fldmask RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fld value4 RAM:
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
Field dirty indicator: 0x00000000

FDB reference count fdb: 0 [0 0 0 0 ]
FDB reference count fdb: 1 [0 0 0 0 ]
FDB reference count fdb: 2 [0 0 0 0 ]
FDB reference count fdb: 3 [0 0 0 0 ]
FDB reference count fdb: 4 [0 0 0 0 ]
FDB reference count fdb: 5 [0 0 0 0 ]
FDB reference count fdb: 6 [0 0 0 0 ]
FDB reference count fdb: 7 [0 0 0 0 ]
FDB reference count fdb: 8 [0 0 0 0 ]
FDB reference count fdb: 9 [0 0 0 0 ]
FDB reference count fdb: 10 [0 0 0 0 ]
FDB reference count fdb: 11 [0 0 0 0 ]
```

```
FDB reference count fdb: 12 [0 0 0 0 ]
FDB reference count fdb: 13 [0 0 0 0 ]
FDB reference count fdb: 14 [0 0 0 0 ]
FDB reference count fdb: 15 [0 0 0 0 ]
FDB reference count fdb: 16 [0 0 0 0 ]
FDB reference count fdb: 17 [0 0 0 0 ]
FDB reference count fdb: 18 [0 0 0 0 ]
FDB reference count fdb: 19 [0 0 0 0 ]

Filter counters:
   Filter counter 0: 0  (MIRROR1)
   Filter counter 1: 0  (MIRROR2)
   Filter counter 2: 0  (MIRROR3)
   Filter counter 3: 0  (MIRROR4)
   Filter counter 4: 0  (AEPORT_NON_MIRR_DROP)
   Filter counter 5: 0  (ZONING TRAP)
   Filter counter 6: 0  (FCR_EXPORT_DC)
   Filter counter 7: 0  (TIN TRAP)
   Filter counter 8: 0  (FICON CUP)
   Filter counter 9: 0  (FICON CUP DST)
   Filter counter 10: 0 (WELL KNOWN ADDR)
   Filter counter 11: 0 (SIM)
   Filter counter 12: 0 (UNUSED)
   Filter counter 13: 0 (UNUSED)
   Filter counter 14: 0 (UNUSED)
   Filter counter 15: 0 (UNUSED)
   Filter counter 16: 0 (PERF1)
   Filter counter 17: 0 (PERF2)
   Filter counter 18: 0 (PERF3)
   Filter counter 19: 0 (PERF4)
   Filter counter 20: 0 (PERF5)
   Filter counter 21: 0 (PERF6)
   Filter counter 22: 0 (PERF7)
   Filter counter 23: 0 (PERF8)
   Filter counter 24: 0 (PERF9)
   Filter counter 25: 0 (PERF10)
   Filter counter 26: 0 (PERF11)
   Filter counter 27: 0 (PERF12)
   Filter counter 28: 0 (OPM1)
   Filter counter 29: 0 (OPM2)
   Filter counter 30: 0 (IPM1)
   Filter counter 31: 0 (IPM2)

               ACL DATA
               --------
Logical port 8: Hard Zoning disabled, Soft Zoning disabled
Zone type: WWN Zoning
Frames with hard zone miss: 0

*** Please use filterportshow on user port 56 to display ACL hash
tables and Mirroring resources of thischip.
 ***We show this data only for the first physical port which is an
exernal port.
```

```
portFcPortCmdShow --slot 0 49 3
doing portFcPortCmdShow: arg1 = 3, arg2 = -2

portshow 49
portDisableReason: None
portCFlags: 0x0
portFlags: 0x4021        PRESENT U_PORT DISABLED LED
LocalSwcFlags: 0x0
portType:  26.0
POD Port: Need license to enable the port
portState: 2    Offline
Protocol: FC
portPhys:  2    No_Module       portScn:   2    Offline
port generation number:    0
state transition count:    0

portId:    013100
portIfId:    4302000b
portWwn:   20:31:d8:1f:cc:2c:99:90
portWwn of device(s) connected:
16b Area list:
Distance:  normal
portSpeed: N32Gbps

FEC: Inactive
Credit Recovery: Inactive
LE domain: 0
Peer beacon: Off
FC Fastwrite: OFF
Interrupts:        0          Link_failure: 0          Frjt:
0
Unknown:           0          Loss_of_sync: 0          Fbsy:
0
Lli:               0          Loss_of_sig:  0
Proc_rqrd:         0          Protocol_err: 0
Timed_out:         0          Invalid_word: 0
Tx_unavail:        0          Invalid_crc:  0
Delim_err:         0          Address_err:  0
Lr_in:             0          Ols_in:       0
Lr_out:            0          Ols_out:      0


portloginshow 49
Type  PID     World Wide Name        credit df_sz cos
=====================================================


portloginshow 49 -history
 Type  PID      World Wide Name           logout time
=======================================================


portregshow 49
```

```
LED registers
=============
0x81c5a000: c4_led_status           00000000    0x81c5a004:
c4_led_ctl              00000000

FPL registers
=============
0x81c58200: fpl_port_config         23490000
0x81c5820c: fpl_port_id_ctl         00000000    0x81c58210:
fpl_port_id_addr        00013100
0x81c58214: fpl_port_speed          00000004    0x81c5821c:
fpl_lli_ctl             00000903
0x81c58228: fpl_lli_os_ctl          bc95b5b5    0x81c5822c:
fpl_lli_send_word       bc95b5b5
0x81c58230: fpl_lli_mark_rx         00000000    0x81c58234:
fpl_lli_rnd_trip_time   00000000
0x81c58238: fpl_lli_ns_status       80070007    0x81c5823c:
fpl_lli_intr_status     80070007
0x81c58244: fpl_lli_def             00000000    0x81c58254:
fpl_lli_intr_enable_clr 00100000
0x81c58258: fpl_err_intr_status     00000000    0x81c58260:
fpl_err_intr_enable_clr 00000000
0x81c58268: fpl_err_first_error     00000000    0x81c5826c:
fpl_speed_neg_ctl       00000000
0x81c58270: fpl_speed_neg_stat      00000000    0x81c58274:
fpl_softasn_ctl         0000000f
0x81c58278: fpl_link_init_ctl       00000000    0x81c5827c:
fpl_link_init_stat      00000000
0x81c58280: fpl_aec_ctl             00051060    0x81c58284:
fpl_aec_ctl2            04009f60
0x81c58288: fpl_pcs_ctl             00000160    0x81c5828c:
fpl_fec_ctl             00000441
0x81c58290: fpl_fec_cor             00000000    0x81c58294:
fpl_fec_uncor           00000000
0x81c58298: fpl_hss_link_ctl        0031f040    0x81c5829c:
fpl_afifo_link_ctl      00000a86
0x81c582a0: fpl_echo_lb_ctl         0000028c    0x81c582a4:
fpl_scratch             00000121
0x81c582a8: fpl_debug               00030005    0x81c582ac:
fpl_misc_debug          00001800
0x00000000: SW_shadow_reg           00000000    0x00000000:
SW_c4_phyp->cfgptr      00030000

per-fpg (per octet) registers
=============================
0x8180b82c: fpg_serdes_ctla0        81a37be7    0x8180b830:
fpg_serdes_ctla1        81a37be7
0x8180b834: fpg_serdes_ctlb0        81a1c3c3    0x8180b838:
fpg_serdes_ctlb1        81a1c3c3
0x8180b83c: fpg_serdes_xgmii_1ms    00067c28    0x8180b840:
fpg_serdes_regtimctl    40e47946
0x8180b844: fpg_serdes_asnrsttimctl 00000102

HSS PLL registers
```

```
============================
0x81809400: 00_hssplla_vco_coarse_cal0      00000000    0x81809404:
01_hssplla_vco_coarse_cal1      00000014
0x81809408: 02_hssplla_vco_coarse_cal2      00000000    0x8180940c:
03_hssplla_vco_coarse_cal3      00000000
0x81809410: 04_hssplla_vco_coarse_cal4      00000000    0x81809424:
09_hssplla_power_ctl            00000000
0x81809428: 0A_hssplla_charge_pump_ctl      00000004    0x81809438:
0E_hssplla_pll_misc_ctl         00000000
0x8180943c: 0F_hssplla_pclk_ctl             000000f8    0x81809440:
10_hssplla_eyem_intv_ctl        00000000
0x81809444: 11_hssplla_eyem_intv_lim1       00000000    0x81809448:
12_hssplla_eyem_intv_lim2       00000000
0x8180944c: 13_hssplla_eyem_intv_lim3       00000000    0x81809450:
14_hssplla_eyem_intv_lim4       00000000
0x818094f0: 3C_hssplla_macro_tst_ctl4       00000000    0x818094f4:
3D_hssplla_macro_tst_ctl3       00000000
0x818094f8: 3E_hssplla_macro_tst_ctl2       00000000    0x818094fc:
3F_hssplla_macro_tst_ctl1       00000000
0x81809500: 00_hssp1lb_vco_coarse_cal0      0000000a    0x81809504:
01_hssp1lb_vco_coarse_cal1      00000014
0x81809508: 02_hssp1lb_vco_coarse_cal2      00000000    0x8180950c:
03_hssp1lb_vco_coarse_cal3      00000000
0x81809510: 04_hssp1lb_vco_coarse_cal4      00000000    0x81809524:
09_hssp1lb_power_ctl            00000000
0x81809528: 0A_hssp1lb_charge_pump_ctl      00000004    0x81809538:
0E_hssp1lb_pll_misc_ctl         00000000
0x8180953c: 0F_hssp1lb_pclk_ctl             000000f8    0x81809540:
10_hssp1lb_eyem_intv_ctl        00000000
0x81809544: 11_hssp1lb_eyem_intv_lim1       00000000    0x81809548:
12_hssp1lb_eyem_intv_lim2       00000000
0x8180954c: 13_hssp1lb_eyem_intv_lim3       00000000    0x81809550:
14_hssp1lb_eyem_intv_lim4       00000000
0x818095f0: 3C_hssp1lb_macro_tst_ctl4       00000000    0x818095f4:
3D_hssp1lb_macro_tst_ctl3       00000000
0x818095f8: 3E_hssp1lb_macro_tst_ctl2       00000000    0x818095fc:
3F_hssp1lb_macro_tst_ctl1       00000000

HSS TX registers
================
0x81808500: 00_hsstx_cfg_mode_PHY           00009f48    0x81808504:
01_hsstx_test_ctl               00000000
0x81808508: 02_hsstx_coeff_ctl_INV          00000000    0x8180850c:
03_hsstx_drv_mode_ctl           00000000
0x81808510: 04_hsstx_drv_ovrd_ctl           00000010    0x81808514:
05_hsstx_dclk_align_ovrd        00000080
0x81808518: 06_hsstx_imp_cal_ovrd           00000c0c    0x8180851c:
07_hsstx_dclk_drift_tol         00000004
0x81808520: 08_hsstx_tap0_coeff_TUNE        00000000    0x81808524:
09_hsstx_tap1_coeff_TUNE        00000003
0x81808528: 0A_hsstx_tap2_coeff_TUNE        00000018    0x8180852c:
0B_hsstx_tap3_coeff_TUNE        0000000d
0x81808534: 0D_hsstx_pol_INV                0000000a    0x81808538:
0E_hsstx_ae_cmd                 00000000
```

```
0x8180853c: 0F_hsstx_ae_stat                00000000    0x81808540:
10_hsstx_ae_tap0_TUNE           00000000
0x81808544: 11_hsstx_ae_tap1_TUNE           00000000    0x81808548:
12_hsstx_ae_tap2_TUNE           00000028
0x8180854c: 13_hsstx_ae_tap3_TUNE           00000000    0x81808554:
15_hsstx_app_tune               0000120e
0x81808558: 16_hsstx_analog_diag            00000000    0x81808560:
18_hsstx_4x_seg_app             0000aafa
0x81808564: 19_hsstx_2x_seg_app             00000000    0x81808568:
1A_hsstx_1x_seg_app             0000ff5d
0x8180856c: 1B_hsstx_seg_4x_term_app        00000000    0x81808570:
1C_hsstx_seg_2x1x_term_app      00000f00
0x81808574: 1D_hsstx_tap_sign_app           0000000a    0x81808578:
1E_hsstx_ext_addr_data          00000001
0x8180857c: 1F_hsstx_ext_addr_addr          00000000    0x81808580:
20_hsstx_pat_buf_bytes_1_0      00000000
0x81808584: 21_hsstx_pat_buf_bytes_3_2      00000000    0x81808588:
22_hsstx_pat_buf_bytes_5_4      00000000
0x8180858c: 23_hsstx_pat_buf_bytes_7_6      00000000    0x8180859c:
27_hsstx_8023az_ctl             00000000
0x818085a0: 28_hsstx_dcc_ctl                000060c0    0x818085a4:
29_hsstx_dcc_ovrd               00000000
0x818085a8: 2A_hsstx_dcc_app                00000108    0x818085ac:
2B_hsstx_dcc_timeout            0000ffff
0x818085c0: 30_hsstx_tap_sign_ovrd          00000000    0x818085c8:
32_hsstx_seg_4x_ovrd            00000000
0x818085cc: 33_hsstx_seg_2x_ovrd            00000000    0x818085d0:
34_hsstx_seg_1x_ovrd            00000000
0x818085d8: 36_hsstx_tap_seg_4x_term_ovrd   00000000    0x818085dc:
37_hsstx_tap_seg_2x_term_ovrd   00000000
0x818085e0: 38_hsstx_tap_seg_1x_term_ovrd   00000000    0x818085ec:
3B_hsstx_mac_test_ctl5          00000000
0x818085f0: 3C_hsstx_mac_test_ctl4          00000000    0x818085f4:
3D_hsstx_mac_test_ctl3          00000000
0x818085f8: 3E_hsstx_mac_test_ctl2          00000000    0x818085fc:
3F_hsstx_mac_test_ctl1          000000c6

HSS RX registers
================
0x81808700: 00_hssrx_cfg_mode_PHY           00009e78    0x81808704:
01_hssrx_test_ctl               00000000
0x81808708: 02_hssrx_phs_rot_ctl            0000cb80    0x8180870c:
03_hssrx_phs_rot_ofs_ctl        00002610
0x81808710: 04_hssrx_phs_rot_posn1          00002322    0x81808714:
05_hssrx_phs_rot_posn2          0000000f
0x81808718: 06_hssrx_phs_rot_sta_ofs1       00000002    0x8180871c:
07_hssrx_phs_rot_sta_ofs2       00000001
0x81808720: 08_hssrx_dfe_ctl_PHY            00002002    0x81808724:
09_hssrx_dfe_smpl_snap1         00000000
0x81808728: 0A_hssrx_dfe_smpl_snap2         00008000    0x8180872c:
0B_hssrx_vga_ctl1               00004001
0x81808730: 0C_hssrx_vga_ctl2               00007aa0    0x81808734:
0D_hssrx_vga_ctl3               000009e4
0x81808738: 0E_hssrx_pwr_mgmnt_ctl          0000001f    0x8180873c:
```

```
0F_hssrx_iqamp_ctl1             00000019
0x81808740: 10_hssrx_iqamp_ctl2             00000006    0x81808744:
11_hssrx_dacap_dacan_sel        00000003
0x81808748: 12_hssrx_dacap_dacan            0000fe00    0x8180874c:
13_hssrx_daca_min               00000000
0x81808750: 14_hssrx_adac_ctl               00000000    0x81808754:
15_hssrx_ac_cp_ctl              000031c3
0x81808758: 16_hssrx_ac_cp_val              00008053    0x8180875c:
17_hssrx_dfe_h1h2h3_lcl_off_ch  00000014
0x81808760: 18_hssrx_dfe_h1h2h3_lcl_off_val 00000000    0x81808764:
19_hssrx_peaked_intg            000000ff
0x81808768: 1A_hssrx_cdr_analog_sw          0000ce00    0x8180876c:
1B_hssrx_peaking_amp_init_c_PHY 00000000
0x81808770: 1C_hssrx_dac_dpc                00000040    0x81808774:
1D_hssrx_ddc                    00000000
0x81808778: 1E_hssrx_int_stat_PHY           00000c0f    0x8180877c:
1F_hssrx_dfe_func_ctl1_PHY      0000ffff
0x81808780: 20_hssrx_dfe_func_ctl2_INV      00007eff    0x81808784:
21_hssrx_ofs_ch_dcc_qcc_idx     00002000
0x81808788: 22_hssrx_dfe_ofs_val            00000109    0x8180878c:
23_hssrx_h_coeff_bist           00000401
0x81808790: 24_hssrx_ac_cap_bist            00000000    0x81808794:
25_hssrx_max_gain_path_idx_res  00007800
0x81808798: 26_hssrx_loff_ctl               00000040    0x8180879c:
27_hssrx_sigdet_ctl             00004980
0x818087a0: 28_hssrx_ana_ctl_sw             00000000    0x818087a4:
29_hssrx_intg_dac_ofs           0000ace5
0x818087a8: 2A_hssrx_eye_ctl                00000000    0x818087ac:
2B_hssrx_eye_met                00000004
0x818087b0: 2C_hssrx_eye_met_err_cnt        00000000    0x818087b4:
2D_hssrx_eye_met_pdf_eyec       00000000
0x818087b8: 2E_hssrx_eye_met_pat_len        0000007f    0x818087bc:
2F_hssrx_dfe_func_ctl3          0000dfff
0x818087c0: 30_hssrx_dfe_tap_ctl_idx_ptr    00000008    0x818087c4:
31_hssrx_dfe_tap                00003030
0x818087c8: 32_hssrx_lte_ctl_TUNE           00001601    0x818087e4:
39_hssrx_int_stat2              0000c1ff
0x818087e8: 3A_hssrx_ac_cpl_cur_src_adj     00000043    0x818087ec:
3B_hssrx_dcd_ctl                00007c53
0x818087f0: 3C_hssrx_dcc_ctl                00000d00    0x818087f4:
3D_hssrx_qcc_ctl                00006900
0x818087f8: 3E_hssrx_mac_test_ctl2          00000000    0x818087fc:
3F_hssrx_mac_test_ctl1          00000000
0x81808748: 12_hssrx_dacap_dacan[02]                0100 fe00
0x81808760: 18_hssrx_dfe_h1h2h3_lcl_off_va[00]      0000 0000   0000
0000   0000 0000   0000 0000
0x81808760: 18_hssrx_dfe_h1h2h3_lcl_off_va[08]      0000 0000   0000
0000   0000 0000   0000 0000
0x81808760: 18_hssrx_dfe_h1h2h3_lcl_off_va[16]      0000 0000   0000
0000   0000
0x81808788: 22_hssrx_dfe_ofs_val[00][00]            0109 007f   097f
7f00   7d7f 0000
0x81808788: 22_hssrx_dfe_ofs_val[03][00]            037d 7f00   7b7f
0000   7d00 0000
```

```
0x81808788: 22_hssrx_dfe_ofs_val[06][00]           0a05 7f00   097b
7f7f   0379 0000
0x81808788: 22_hssrx_dfe_ofs_val[09][00]           0705 7f7f   0101
0000   057f 0000
0x81808788: 22_hssrx_dfe_ofs_val[12][00]           077d 0000   0505
0000   037e 0000
0x81808788: 22_hssrx_dfe_ofs_val[15][00]           7d7f 0000   7f05
0000   7b03 007f
0x81808788: 22_hssrx_dfe_ofs_val[18][00]           0101 0000   0107
7f7f   0003 0000
0x81808788: 22_hssrx_dfe_ofs_val[21][00]           0003 0000   0003
0000   0003 0000
0x81808788: 22_hssrx_dfe_ofs_val[24][00]           7b7e 0000   0300
7f00   7f7d 0000
0x81808794: 25_hssrx_max_gain_path_idx_res[00]     005f 0848   1007
18a8   20df 289f   308b 3800
0x81808794: 25_hssrx_max_gain_path_idx_res[08]     40af 488a   5074
5801   6040 6802   7000 7800
0x818087c4: 31_hssrx_dfe_tap[00]                   fffe 8181   0000
0000   0030 0030   3030 3030
0x818087c4: 31_hssrx_dfe_tap[08]                   3030 3030   3030
0000
0x818087e8: 3A_hssrx_ac_cpl_cur_src_adj[00]        0043 0043   0043
0043
0x818087ec: 3B_hssrx_dcd_ctl[00]                   7c53 5c00   7c00
5c00   7c00
0x818087f0: 3C_hssrx_dcc_ctl[00]                   0d00 0d00   0d41
0d00
0x818087f4: 3D_hssrx_qcc_ctl[00]                   6986 6900

xfipcs, fec, aec, & aet registers
=================================
0x81c58400: xfipcs_reg              [00] 00002040 00000080 00000000
00000000    00000001 00000008 00000000 00000000
0x81c58420: xfipcs_reg              [08] 00008c01 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c58440: xfipcs_reg              [16] 00000000 00000000 00000000
00000000    00000040 00000000 00000000 00000000
0x81c58460: xfipcs_reg              [24] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c58480: xfipcs_reg              [32] 00000004 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c58620: fec_32g_128g_reg        [08] 00000000 00000000 00000000
00000000    00000000 00000000 00000000
0x81c58648: fec_32g_128g_reg        [18] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c58a00: aec_reg                 [00] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c58c00: aet_reg                 [00] 00000000 00000000 00000000
00000000    00000000

bbc registers
=============
0x81c59800: bbc_trc                 0    0    0    0    0    0    0
```

```
0
0x81c59840: bbc_trc                 0    0    0    0    0    0    0
0
0x81c59880: bbc_trc                 0    0    0    0    0    0    0
0
0x81c598c0: bbc_trc                 0    0    0    0    0    0    0
0
0x81c59900: bbc_trc                 0    0    0    0    0    0    0
0
0x81c59804: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c59844: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c59884: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c598c4: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c59904: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c59a00: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c59a20: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c59a40: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c59a60: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c59a80: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c59c00: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c59c20: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c59c40: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c59c60: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c59c80: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c59d00: bbc_fbpc                00000000    0x81c59d04: bbc_csc
00000000
0x81c59d08: bbc_rcc_inc             00000000    0x81c59d0c:
bbc_rqc_inc             00000000
0x81c59d10: bbc_fbpc_inc            00000000    0x81c59d14:
bbc_tmc_inc             00000000
0x81c59d18: bbc_threshold           00080100    0x81c59d1c:
bbc_counter_clr         00000000
0x81c59d20: bbc_debug_en            00000000    0x81c59d24: bbc_ctrl
00200020
0x81c59d28: bbc_rqc_rcc_thresh      00000055    0x81c59d34:
bbc_bb_sc_n             00000000
0x81c59d38: bbc_crd_reco_debug      00000000    0x81c59d3c:
bbc_crd_reco_debug_data 00000000
0x81c59d40: bbc_multi_frm_loss_cnt  00000000    0x81c59d44:
```

```
bbc_multi_rdy_loss_cnt  00000000
0x81c59d48: bbc_1frm_loss_recov_cnt 00000000    0x81c59d4c:
bbc_1rdy_loss_recov_cnt 00000000
0x81c59d58: bbc_int_status          00000000    0x81c59d5c:
bbc_int_set             00000000
0x81c59d60: bbc_int_first           00000000    0x81c59d64:
bbc_frm_rdy_rx_err_addr 00000000
0x81c59d68: bbc_frm_rdy_tx_err_addr 00000000    0x81c59d6c:
bbc_trc_mbc_err_addr    00000000
0x81c59d70: bbc_frm_rdy_rx_dbl_ecc  00000000    0x81c59d74:
bbc_frm_rdy_tx_dbl_ecc  00000000
0x81c59d78: bbc_trc_mbc_dbl_ecc     00000000
0x81c59d7c: bbc_fsm_status          00001011    0x81c59d80:
bbc_force_err           00000000
0x81c59d84: bbc_crdt_avail0         ffffffff    0x81c59d88:
bbc_crdt_avail1         000000ff
0x81c59d8c: bbc_scratch             00000000

FPS registers
=============
0x81c58004: fps_er_enc_in           00000000    0x81c58008:
fps_er_crc              00000000
0x81c5800c: fps_er_trunc            00000000    0x81c58010:
fps_er_toolong          00000000
0x81c58014: fps_er_bad_eof          00000000    0x81c58018:
fps_er_enc_out          00000000
0x81c5801c: fps_er_bad_os           00000000    0x81c58020:
fps_er_flush            00000000
0x81c58024: fps_er_ifg              00000000    0x81c58038:
fps_er_crc_good_eof     00000000
0x81c5803c: fps_inv_arb             00000000    0x81c58040:
fps_slow_sts_status     00000000
0x81c58044: fps_tx_frm_cnt          00000000    0x81c58048:
fps_rx_frm_cnt          00000000
0x81c58050: fps_tx_word_cnt_hi      00000000    0x81c5804c:
fps_tx_word_cnt_lo      00000000
0x81c58058: fps_rx_word_cnt_hi      00000000    0x81c58054:
fps_rx_word_cnt_lo      00000000

BAL registers
=============
0x81c5f000: bal_desired_buf         00000000    0x81c5f004:
bal_alloc_buf           00000000
0x81c5f008: bal_busy_buf            00000000    0x81c5f00c:
bal_usable_buf          00000000
0x81c5f010: bal_max_bor_buf         00000000
0x81c5f014: bal_busy_buf_thresh     00000002

TXQ registers
=============
0x81c5b004: txq_phys_port_ctl       00430000
0x81c5b050: txq_link_skew           00000000
0x81c5b068: txq_cr_lk_dttn_intr_sts [00] 00000000 00000000
0x81c5b070: txq_cr_lk_dttn_intr_en  [00] 00000000 00000000
```

```
0x81c5b024: txq_disc_frm_trap_cnt   00000014

FDS registers
=============
0x81c5c000: fds_rxf_ctl             00000002    0x81c5c004:
fds_rxf_wait_thresh     00000909
0x81c5c018: fds_rxf_first_error     00000000    0x81c5c01c:
fds_rxf_first_error_info00000000
0x81c5c020: fds_rxf_inout_pkt_cnt   00000000
0x81c5c008: fds_rxf_err_int_status  00000000    0x81c5c024:
fds_rxf_fifo_status     00888888
0x81c5d000: fds_txf_ctl             0000003a    0x81c5d004:
fds_txf_wait_ifg_thresh 00a00106
0x81c5d008: fds_txf_err_int_status  00000000    0x81c5d024:
fds_txf_fifo_status     00088888
0x81c5d02c: fds_txf_bbc_scs         00000000

Logical TXQ registers
=====================
0x81c5b000: txq_log_port_ctl        00000002    0x81c5b008:
txq_port_status         00000000
0x81c5b00c: txq_todo_flags          [00] 00000000 00000000
0x81c5b014: txq_spd_match_desc      [00] 00000000 00000000 00000000
00000000
0x81c5b024: txq_spd_match_desc      [04] 00000014
0x81c5b028: txq_vc_weight           [00] 01010101 01010101 01010101
01010101
0x81c5b038: txq_vc_weight           [04] 01010101 01010101 01010101
01010101
0x81c5b048: txq_vc_weight           [08] 01010101 00010101
0x81c5b054: txq_cong_dttn_ctrl      00000000
0x81c5b058: txq_cong_dttn_intr_sts  [00] 00000000 00000000
0x81c5b060: txq_cong_dttn_intr_en   [00] 00000000 00000000
0x81c5b078: txq_bw_limit_en_reg     [00] 00000000 00000000
0x81c5b080: txq_bw_gua_en_reg       [00] 00000000 00000000
0x81c5b088: txq_vc_group            [00] 03030300 03030303 03030303
03030303
0x81c5b098: txq_vc_group            [04] 03030303 03030303 03030303
03030303
0x81c5b0a8: txq_vc_group            [08] 03030303 03030303 00000000
00000000
0x81c5b0b0: txq_bw_thresh_group     [00] 00000000 00000000 00000000
00000000
0x81c5b0c0: txq_bw_thresh_group     [04] 00000000 00000000 00000000
00000000
0x81c5b0d0: txq_bw_thresh_group     [08] 00000000 00000000 00000000
00000000
0x81c5b0e0: txq_bw_thresh_group     [12] 00000000 00000000 00000000
00000000
0x81c5b0f0: txq_bw_thresh_group     [16] 00000000 00000000 00000000
00000000
0x81c5b100: txq_bw_thresh_group     [20] 00000000 00000000 00000000
00000000
0x81c5b110: txq_bw_thresh_group     [24] 00000000 00000000 00000000
```

```
00000000
0x81c5b120: txq_bw_thresh_group     [28] 00000000 00000000 00000000
00000000
0x81c5b130: txq_bw_thresh_group     [32] 00000000 00000000 00000000
00000000
0x81c5b140: txq_bw_thresh_group     [36] 00000000 00000000 00000000
00000000

txq Congestion detection Statistics RAM
=======================================
0x810906e0: vc[0]       00000000        0x810906e4: vc[1]
00000000
0x810906e8: vc[2]       00000000        0x810906ec: vc[3]
00000000
0x810906f0: vc[4]       00000000        0x810906f4: vc[5]
00000000
0x810906f8: vc[6]       00000000        0x810906fc: vc[7]
00000000
0x81090700: vc[8]       00000000        0x81090704: vc[9]
00000000
0x81090708: vc[10]      00000000        0x8109070c: vc[11]
00000000
0x81090710: vc[12]      00000000        0x81090714: vc[13]
00000000
0x81090718: vc[14]      00000000        0x8109071c: vc[15]
00000000
0x81090720: vc[16]      00000000        0x81090724: vc[17]
00000000
0x81090728: vc[18]      00000000        0x8109072c: vc[19]
00000000
0x81090730: vc[20]      00000000        0x81090734: vc[21]
00000000
0x81090738: vc[22]      00000000        0x8109073c: vc[23]
00000000
0x81090740: vc[24]      00000000        0x81090744: vc[25]
00000000
0x81090748: vc[26]      00000000        0x8109074c: vc[27]
00000000
0x81090750: vc[28]      00000000        0x81090754: vc[29]
00000000
0x81090758: vc[30]      00000000        0x8109075c: vc[31]
00000000
0x81090760: vc[32]      00000000        0x81090764: vc[33]
00000000
0x81090768: vc[34]      00000000        0x8109076c: vc[35]
00000000
0x81090770: vc[36]      00000000        0x81090774: vc[37]
00000000
0x81090778: vc[38]      00000000        0x8109077c: vc[39]
00000000


Logical STS registers
=====================
```

```
0x815848c4: sts_ftb_type1_miss      00000000
0x815848c8: sts_ftb_type2_miss      00000000
0x815848cc: sts_ftb_type6_miss      00000000
0x815848d0: sts_hard_zoning_miss    00000000
0x815848d4: sts_lun_zoning_miss     00000000
0x815848dc: sts_unroutable          00000000
0x815818f4: sts_rte_cl2             00000000    0x815818f8:
sts_rte_cl3             00000000        0x815818fc: sts_rte_link_ctl
00000000        0x815848e8: sts_tx_timeout          00000000

Logical STS filter registers
====================
0x81584840: sts_flt_trig            [00] 00000000 00000000 00000000
00000000
0x81584850: sts_flt_trig            [04] 00000000 00000000 00000000
00000000
0x81584860: sts_flt_trig            [08] 00000000 00000000 00000000
00000000
0x81584870: sts_flt_trig            [12] 00000000 00000000 00000000
00000000
0x81584880: sts_flt_trig            [16] 00000000 00000000 00000000
00000000
0x81584890: sts_flt_trig            [20] 00000000 00000000 00000000
00000000
0x815848a0: sts_flt_trig            [24] 00000000 00000000 00000000
00000000
0x815848b0: sts_flt_trig            [28] 00000000 00000000 00000000
00000000
0x815848c0: sts_flt_trig            [32]

Logical STS discard registers
====================
0x81581ffc: disc_mcast_wka          00000000    0x81582000:
disc_inv_did            00000000
0x81582004: disc_cl1_cl4            00000000    0x81582008:
disc_sid_chk_fail       00000000
0x8158200c: disc_inv_dom_egid_txpt  00000000    0x81582010:
disc_vft_hop_cnt_1      00000000
0x81582014: disc_classf             00000000    0x81582018:
disc_fcp_cdb_inv        00000000
0x8158201c: disc_vfid_trap_enabled  00000000    0x81582020:
disc_vfid_hdr_chk_fail  00000000
0x81582024: disc_shim_cksum_fail    00000000    0x81582028:
disc_fed_edit_cmd_err   00000000
0x8158202c: disc_ftb_vm_mode        00000000    0x81582030:
disc_ftb_agn_t2_miss    00000000
0x81582034: disc_ecb_reserved       00000000    0x81582038:
disc_ecb_de_pad_err     00000000
0x8158203c: disc_ecb_de_tag_err     00000000    0x81582040:
disc_ecb_de_seq_err     00000000
0x81582044: disc_ecb_err            00000000    0x81582048:
disc_ftb_type4_match    00000000
0x8158204c: disc_fcp_rsp_ftb_type4  00000000    0x81582050:
disc_ftb_type5_match    00000000
```

```
0x81582054: disc_ftb_type3_match    00000000    0x81582058:
disc_els_ftb_type3      00000000
0x8158205c: disc_ftb_type1_match    00000000    0x81582060:
disc_els_rsp_ex_port    00000000
0x81582064: disc_inv_drp_dps        00000000    0x81582068:
disc_did_lookup_miss    00000000
0x8158206c: disc_ftb_type2_match    00000000    0x81582070:
disc_trpd_plogi_pdisc   00000000
0x81582074: disc_type2_lookup_miss  00000000    0x81582078:
disc_ftb_type6_match    00000000
0x8158207c: disc_els_rep_ex_port    00000000    0x81582080:
disc_els_sid_lkup_bit1  00000000
0x81582084: disc_els_sid_lkup_bit0  00000000    0x81582088:
disc_bls_frm_trap_bit1  00000000
0x8158208c: disc_ftb_token_err      00000000    0x81582090:
disc_asic_internal_err  00000000
0x81582094: disc_hard_zone_miss     00000000    0x81582098:
disc_lun_zone_miss      00000000
0x8158209c: disc_flt_frame_disc     00000000    0x815820a0:
disc_flt_parity_err     00000000
0x815820a4: disc_frame_marked_du    00000000    0x815820a8:
disc_frame_marked_to    00000000
0x815820ac: disc_lkup_rte_prty_err  00000000


portstatsshow 49
stat_wtx                0                   4-byte words transmitted
stat_wrx                0                   4-byte words received
stat_ftx                0                   Frames transmitted
stat_frx                0                   Frames received
stat_c2_frx             0                   Class 2 frames received
stat_c3_frx             0                   Class 3 frames received
stat_lc_rx              0                   Link control frames
received
stat_mc_rx              0                   Multicast frames
received
stat_mc_to              0                   Multicast timeouts
stat_mc_tx              0                   Multicast frames
transmitted
tim_txcrd_z             0                   Time TX Credit Zero
(2.5Us ticks)
tim_txcrd_z_vc  0- 3:  0           0           0           0
tim_txcrd_z_vc  4- 7:  0           0           0           0
tim_txcrd_z_vc  8-11:  0           0           0           0
tim_txcrd_z_vc 12-15:  0           0           0           0
lat_tot_pkt_vc  0- 3:  1           1           1           1
lat_tot_pkt_vc  4- 7:  1           1           1           1
lat_tot_pkt_vc  8-11:  1           1           1           1
lat_tot_pkt_vc 12-15:  1           1           1           1
lat_hi_time_vc  0- 3:  0           0           0           0
lat_hi_time_vc  4- 7:  0           0           0           0
lat_hi_time_vc  8-11:  0           0           0           0
lat_hi_time_vc 12-15:  0           0           0           0
lat_lo_time_vc  0- 3:  1           1           1           1
```

```
lat_lo_time_vc  4- 7:  1           1           1           1
lat_lo_time_vc  8-11:  1           1           1           1
lat_lo_time_vc 12-15:  1           1           1           1
max_latency_vc  0- 3:  1           1           1           1
max_latency_vc  4- 7:  1           1           1           1
max_latency_vc  8-11:  1           1           1           1
max_latency_vc 12-15:  1           1           1           1
latency_dma_ts          09-09-2024 UTC Mon 08:47:25            TXQ
Latency DMA TimeStamp
fec_cor_detected        0                   Count of blocks that
were corrected by FEC
fec_uncor_detected      0                   Count of blocks that
were left uncorrected by FEC
er_enc_in               0                   Encoding errors inside
of frames
er_crc                  0                   Frames with CRC errors
er_trunc                0                   Frames shorter than
minimum
er_toolong              0                   Frames longer than
maximum
er_bad_eof              0                   Frames with bad end-of-
frame
er_enc_out              0                   Encoding error outside
of frames
er_bad_os               0                   Invalid ordered set
er_pcs_blk              0                   PCS block errors
er_rx_c3_timeout        0                   Class 3 receive frames
discarded due to timeout
er_tx_c3_timeout        0                   Class 3 transmit frames
discarded due to timeout
er_unroutable           0                   Frames that are
unroutable
er_unreachable          0                   Frame with unreachable
destination
er_other_discard        0                   Other discards
er_type1_miss           0                   frames with FTB type 1
miss
er_type2_miss           0                   frames with FTB type 2
miss
er_type6_miss           0                   frames with FTB type 6
miss
er_zone_miss            0                   frames with hard zoning
miss
er_lun_zone_miss        0                   frames with LUN zoning
miss
er_crc_good_eof         0                   Crc error with good eof
er_inv_arb              0                   Invalid ARB
er_single_credit_loss   0                   Single vcrdy/frame loss
on link
er_multi_credit_loss    0                   Multiple vcrdy/frame
loss on link
other_credit_loss       0                   Link timeout/complete
credit loss
phy_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
```

```
phy_port stats clear
lgc_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
lgc_port stats clear
fec_corrected_rate      0                   FEC Corrected blocks per
second

portstats64show 49
stat64_wtx      0           top_int : 4-byte words transmitted
                0           bottom_int : 4-byte words transmitted
stat64_wrx      0           top_int : 4-byte words received
                0           bottom_int : 4-byte words received
stat64_ftx      0           top_int : Frames transmitted
                0           bottom_int : Frames transmitted
stat64_frx      0           top_int : Frames received
                0           bottom_int : Frames received
stat64_c2_frx   0           top_int : Class 2 frames received
                0           bottom_int : Class 2 frames received
stat64_c3_frx   0           top_int : Class 3 frames received
                0           bottom_int : Class 3 frames received
stat64_lc_rx    0           top_int : Link control frames received
                0           bottom_int : Link control frames
received
stat64_mc_rx    0           top_int : Multicast frames received
                0           bottom_int : Multicast frames received
stat64_mc_to    0           top_int : Multicast timeouts
                0           bottom_int : Multicast timeouts
stat64_mc_tx    0           top_int : Multicast frames transmitted
                0           bottom_int : Multicast frames
transmitted
tim64_rdy_pri   0           top_int : Time R_RDY high priority
                0           bottom_int : Time R_RDY high priority
tim64_txcrd_z   0           top_int : Time BB_credit zero
                0           bottom_int : Time BB_credit zero
er64_enc_in     0           top_int : Encoding errors inside of
frames
                0           bottom_int : Encoding errors inside of
frames
er64_crc        0           top_int : Frames with CRC errors
                0           bottom_int : Frames with CRC errors
er64_trunc      0           top_int : Frames shorter than minimum
                0           bottom_int : Frames shorter than minimum
er64_toolong    0           top_int : Frames longer than maximum
                0           bottom_int : Frames longer than maximum
er64_bad_eof    0           top_int : Frames with bad end-of-frame
                0           bottom_int : Frames with bad end-of-
frame
er64_enc_out    0           top_int : Encoding error outside of
frames
                0           bottom_int : Encoding error outside of
frames
er64_disc_c3    0           top_int : Class 3 frames discarded
                0           bottom_int : Class 3 frames discarded
er64_pcs_blk    0           top_int : PCS block errors
                0           bottom_int : PCS block errors
```

```
stat64_rateTxFrame      0           Tx frame rate (fr/sec)
stat64_rateRxFrame      0           Rx frame rate (fr/sec)
stat64_rateTxPeakFrame  0           Tx peak frame rate (fr/sec)
stat64_rateRxPeakFrame  0           Rx peak frame rate (fr/sec)
stat64_rateTxWord       0           Tx Word rate (words/sec)
stat64_rateRxWord       0           Rx Word rate (words/sec)
stat64_rateTxPeakWord   0           Tx peak Word rate (words/sec)
stat64_rateRxPeakWord   0           Rx peak Word rate (words/sec)
stat64_PRJTFrames       0           top_int : Number of PRJT frames
returned to this port
                        0           bottom_int : Number of PRJT
frames returned to this port
stat64_PBSYFrames       0           top_int : Number of PBSY frames
returned to this port
                        0           bottom_int : Number of PBSY
frames returned to this port
stat64_inputBuffersFull 0           top_int : Number of occurrences
when all input buffers full
                        0           bottom_int : Number of
occurrences when all input buffers full
stat64_rxClass1Frames   0           top_int : Number of class 1
frames received
                        0           bottom_int : Number of class 1
frames received
stat64_aveTxFrameSize   0           Average Tx Frame size
stat64_aveRxFrameSize   0           Average Rx Frame size
Lr_in           0           top_int
                0           bottom_int
Ols_in          0           top_int
                0           bottom_int
Lr_out          0           top_int
                0           bottom_int
Ols_out         0           top_int
                0           bottom_int
Link_failure    0           top_int
                0           bottom_int
Invalid_CRC     0           top_int
                0           bottom_int
Invalid_word    0           top_int
                0           bottom_int
Protocol_err    0           top_int
                0           bottom_int
Loss_of_sig     0           top_int
                0           bottom_int
Loss_of_sync    0           top_int
                0           bottom_int
er_bad_os       0           top_int : Invalid ordered set
                0           bottom_int: Invalid ordered set


portrouteshow 49
port address ID: 0x013100
external unicast routing table:
   0: Embedded
```

```
 255: Embedded
internal unicast routing table:
   0: Embedded

portcamshow 49
-------------------------------------------------
Port  SID used  DID used  SID entries  DID entries
49     0         0         000000       000000
-------------------------------------------------

ptbufshow, ptcreditshow, ptdatashow, ptstatsshow 49
S:
S:VF Enable:            1
S:
S:C4 Global Variable:
S:-------------------------------------------------------------------
---------
S:trace_stop:           0
S:
S:C4 Phy Data Pointers: c4_phyp = 0xb6ac9040
S:-------------------------------------------------------------------
---------
S:tnodep                        0xbb837a80      pt
        0x4302800b
S:proto_phyp            0xb8807ea0      phy_cfg
0xb6aca080
S:c4_chp                        0x97e28000      c4_lgcp
0x97f74000
S:c4_phy_regp           0x81c58000      proc_dir
0xb8516a00
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4345678      num_port_timer          12
S:prev_if_id            0x4302000b      S:ftx                   0
        tov                     0
S:initialized           0               port_idx                11
S:ui_idx                        49              slot_no
        0
S:blade_idx             11              sw_usr_ports            400
S:unused                        0               intr_debounced
        0
S:aec_status            0x0             reason_code
        0
S:debug                 0x00000004      debug_trc_line          0
S:rxbuf_list_head       0xffffffff      rxbuf_list_tail
0xffffffff
S:isAePort                      0               port_misc_data
                0
S:num_fault1_rx_disc    0               num_fault2_rx_disc      0
S:p_lli_cause0          0               p_sig_regained          0
S:p_sync_regained               0               enc_out
        0x0
S:cached_fps_status     0               cached_sts_status       0
S:cached_er_crc_good_eof        0
```

```
S:cached_er_bad_os      0               cached_er_too_long      0
S:cached_er_trunc       0
cached_tot_er_crc_good_eof      0
S:num_pt_excess_intr    0               num_no_fid              0
S:num_fault1_cnt                0               num_fault2_cnt
        0
S:num_fault_lip         0               num_fault_lli           0
S:num_fault_rx_fifo     0               num_fault_hss           0
S:num_fault_bwait               0               lli_intr_prim
        0
S:num_sw_link_to                0
be_link_err_mon_count           0
S:ecb_enc_enabled               0               ecb_comp_enabled
                0
S:ecb_rsv_enc           0               ecb_rsv_comp            0
S:ecb_enc_bm            0x0             ecb_key_index
0xffffffff
S:fab_idx               4
S:num_be_lto            0               lto_count_reset_intvl
        0
S:lr_count_reset_intvl          0               num_be_lr
        0
S:num_fault_qsfp                0               check_lto
        0
S:credit_loaded         0               num_credit_overrun
        0
S:fec_enabled           0x0             fec_los_to_flag         0x0
S:phy_stats_clear_ts            1725611419      pcs_err_online
        0
S:pcs_err_light_det             0               pcs_err_ignore
        0
S:pcs_blk_err           0               pcs_hiber               0
S:phy_port_status               0               ecb_enc_lr_count
                0
S:dport_mode            0               avoid_lto_det           0
S:sn_debounced          0x0             sn_started_kr_reqd      0
S:major_timer_started   0x0             ready_bm                0x0
S:parln_1_bm            0x0             parln_0_bm              0x0
S:be_los_of_sync_event_intvl            0
be_los_of_sync_event            0
S:erratаPtenable_cntr           0               erratаPoll_cntr
        0
S:jda_rx_sig_loss_det           0               jda_rx_sig_loss_cnt
                0
S:encrypt_blk_error             0
S:
S:      c4_trunk
S:======================================
S:mark_ts               0x0             deskew                  0x0
S:master_phyp           0x0
S:
S:adelay[00]: 0x00000000 0x00000000 0x00000000 0x00000000
S:adelay[04]: 0x00000000 0x00000000 0x00000000 0x00000000
S:
```

```
S:      c4_buf
S:======================================
S:tx_csc                        0               rx_csc
        0
S:ld_vc_credits         0               tx_flag                 0x0
S:alloc_buffers         0               req_buffers             0
S:est_buffers           20              ld_use_est              0
S:bb_sc_n                       0               rx_bb_sc_n
        0
S:data_cr                       5               nondata_cr
        6
S:cr_enable             0
S:ld_nondata_cr         6               tnodep
0xbb837b60
S:tx_credits[0] 0    0    0    0    0    0    0    0
S:tx_credits[8] 0    0    0    0    0    0    0    0
S:tx_credits[16]        0    0    0    0    0    0    0    0
S:tx_credits[24]        0    0    0    0    0    0    0    0
S:tx_credits[32]        0    0    0    0    0    0    0    0
S:rx_credits[0] 0    0    0    0    0    0    0    0
S:rx_credits[8] 0    0    0    0    0    0    0    0
S:rx_credits[16]        0    0    0    0    0    0    0    0
S:rx_credits[24]        0    0    0    0    0    0    0    0
S:rx_credits[32]        0    0    0    0    0    0    0    0
S:tx_mbc[0]     0    0    0    0    0    0    0    0
S:tx_mbc[8]     0    0    0    0    0    0    0    0
S:tx_mbc[16]    0    0    0    0    0    0    0    0
S:tx_mbc[24]    0    0    0    0    0    0    0    0
S:tx_mbc[32]    0    0    0    0    0    0    0    0
S:rx_mbc[0]     0    0    0    0    0    0    0    0
S:rx_mbc[8]     0    0    0    0    0    0    0    0
S:rx_mbc[16]    0    0    0    0    0    0    0    0
S:rx_mbc[24]    0    0    0    0    0    0    0    0
S:rx_mbc[32]    0    0    0    0    0    0    0    0
S:
S:C4 Chip Variables: c4_phyp->c4_chp = 0x97e28000
S:------------------------------------------------------------------
---------
S:version = 2.1
S:magic_id              0xc4234567      init_state              0x8
S:reset_reg_mem         0x1
S:ch_int0_en_bm         0x0             intr0_cause             0x0
S:ch_int1_en_bm         0x0             intr1_cause             0x0
S:ch_int2_en_bm         0x0             intr2_cause             0x0
S:ch                    0x43010080      ch_cfg
0xb7013ba0
S:raslog_hndl.hndl      0x0             obj_halted              0x0
S:c4_chip_regp          0x80000000      c4_fpg_regp
0x81800000
S:num_chip_timer        0x5
S:hi_task_bm            0x0             lo_task_bm              0x0
S:c4_deferq.q_head      0x0             c4_deferq.q_tail        0x0
S:c4_tmrq.q_head        0x0             c4_tmrq.q_tail          0x0
slot_no                 0
```

```
S:chip_inst             0               chip_idx                0
S:pll_initialized               1
pll_serdes_initialized  1
S:init_tries            0               init_ptEnableBM
0xba01b488
S:tick_polling          0xb980c9c0      sec_polling
0xb980c960
S:bb_fid                        129
S:ecb_key_bm[0]         0x0             ecb_key_bm[1]           0x0
S:ecb_key_bm[2]         0x0             ecb_key_bm[3]           0x0
S:is_chip_enc_enabled                   0
is_chip_comp_enabled    0x0
S:ftb_rsrcp->ftb_flags  0x0             act_rsrcp->act_flag     0x1
S:lue_rsrcp->lue_flags[0]       0x0             lue_rsrcp-
>lue_flags[1]   0x0
S:c4_phyp[00]: 0xb6ab0000 0xb6ab2080 0xb6ab4100 0xb6ab6180
S:c4_phyp[04]: 0xb6ab9040 0xb6abb0c0 0xb6abd140 0xb6ac0000
S:c4_phyp[08]: 0xb6ac2080 0xb6ac4100 0xb6ac6180 0xb6ac9040
S:c4_phyp[12]: 0xb6acb0c0 0xb6acd140 0xb6ad0000 0xb6ad2080
S:c4_phyp[16]: 0xb6ad4100 0xb6ad6180 0xb6ad9040 0xb6adb0c0
S:c4_phyp[20]: 0xb6add140 0xb6ae0000 0xb6ae2080 0xb6ae4100
S:c4_phyp[24]: 0xb6ae6180 0xb6ae9040 0xb6aeb0c0 0xb6aed140
S:c4_phyp[28]: 0xb6af0000 0xb6af2080 0xb6af4100 0xb6af6180
S:c4_phyp[32]: 0xb6af9040 0xb6afb0c0 0xb6afd140 0xb6b00000
S:c4_phyp[36]: 0xb6b02080 0xb6b04100 0xb6b06180 0xb6b09040
S:c4_phyp[40]: 0xb6b0b0c0 0xb6b0d140 0xb6b10000 0xb6b12080
S:c4_phyp[44]: 0xb6b14100 0xb6b16180 0xb6b19040 0xb6b1b0c0
S:c4_phyp[48]: 0xb6b1d140 0xb6b20000 0xb6b22080 0xb6b24100
S:c4_phyp[52]: 0xb6b26180 0xb6b29040 0xb6b2b0c0 0xb6b2d140
S:c4_phyp[56]: 0xb6b30000 0xb6b32080 0xb6b34100 0xb6b36180
S:c4_phyp[60]: 0xb6b39040 0xb6b3b0c0 0xb6b3d140 0xb6b40000
S:c4_lgcp[00]: 0x97f48000 0x97f4c000 0x97f50000 0x97f54000
S:c4_lgcp[04]: 0x97f58000 0x97f5c000 0x97f60000 0x97f64000
S:c4_lgcp[08]: 0x97f68000 0x97f6c000 0x97f70000 0x97f74000
S:c4_lgcp[12]: 0x97f78000 0x97f7c000 0x97f80000 0x97f84000
S:c4_lgcp[16]: 0x97f88000 0x97f8c000 0x97f90000 0x97f94000
S:c4_lgcp[20]: 0x97f98000 0x97f9c000 0x97fa0000 0x97fa4000
S:c4_lgcp[24]: 0x97fa8000 0x97fac000 0x97fb0000 0x97fb4000
S:c4_lgcp[28]: 0x97fb8000 0x97fbc000 0x97fc0000 0x97fc4000
S:c4_lgcp[32]: 0x97fc8000 0x97fcc000 0x97fd0000 0x97fd4000
S:c4_lgcp[36]: 0x97fd8000 0x97fdc000 0x97fe0000 0x97fe4000
S:c4_lgcp[40]: 0x97fe8000 0x97fec000 0x97ff0000 0x97ff4000
S:c4_lgcp[44]: 0x97ff8000 0x97ffc000 0x8e000000 0x8e004000
S:c4_lgcp[48]: 0x8e008000 0x8e00c000 0x8e010000 0x8e014000
S:c4_lgcp[52]: 0x8e018000 0x8e01c000 0x8e020000 0x8e024000
S:c4_lgcp[56]: 0x8e028000 0x8e02c000 0x8e030000 0x8e034000
S:c4_lgcp[60]: 0x8e038000 0x8e03c000 0x8e040000 0x8e044000
S:chip_timers[00]: 0xb980c720 0xb980c780 0xb980c7e0 0xb980c840
S:chip_timers[04]: 0xb980c8a0 0xb980c900
S:disc_trap_enable_required     0x0             rxlp_disc_log_stop
        0x0
S:curr_rxlp_frm_cnt     0x0             curr_rxlp_disc_frm_cnt  0x0
S:sw_disc_frm_cnt       0x0             last_disc_frm_cnt       0x0
S:txq_nopop_pr_cnt      0x0             pollErrataDfe_ptBM
```

```
0xba01b4b0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][0]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][1]  0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][2]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][0] 0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][1]       0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][2] 0x0
S:
S:C4 Logical Port Variables
S:-------------------------------------------------------------------
---------
S:c4_lgc_regp           0x81c58000
S:c4_phyp:
S:      0xb6ac9040      0x0             0x0             0x0

S:      0x0             0x0             0x0             0x0

S:master_phyp           0xb6ac9040      if_id
0x4302000b
S:min_phyp              0x0             max_phyp                0x0
S:num_phy_ports         1               lgc_num                 11
S:num_iu_to             0               sw_txq_bm
        0
S:port_fid              129             unused                  0
S:port_group            1               lgc_stats_clear_ts
                1725611419
S:domain_tbl_sel                0               area_tbl_sel
        0
S:egid_tbl_sel          0
S:serv_lo_bm            0x0
S:
S:Proto Phy Variables:
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4123456      asic_phyp
0xb6ac9040
S:port_id                       0x4302800b      phy_cfg
        0xb6aca080
S:upsm_hdl              0xb8012d20      physm_hdl
0xb8012aa0
S:ov_snsm_hdl           0xb8012960      sw_snsm_hdl
0xb8012a00
S:ov_lksm_hdl           0xb8012b40      sw_lksm_hdl
0xb8012be0
S:trksm_hdl             0xb8012c80      lr_flag         0x0
S:lr_active             0x0             qsfp_txrx_rate_sel
        0x0
S:
S:UPSM      UP00: UPST_PORT_DISABLED    --> UP00: UPST_PORT_DISABLED
S:SNSM(OV)  SN00: OV_SNST_STOPPED       --> SN00: OV_SNST_STOPPED
S:SNSM(SW)  SW00: SW_SNST_STAGE_WS      --> SW00: SW_SNST_STAGE_WS
S:PHYSM     PP00: PHYST_STOPPED         --> PP00: PHYST_STOPPED
S:LKSM(OV)  LK00: OV_LKST_INACTIVE      --> LK00: OV_LKST_INACTIVE
S:LKSM(SW)  SW13: INACTIVE              --> SW13: INACTIVE
```

```
S:TRKSM     TRK0: TRKST_INIT            --> TRK0: TRKST_INIT
S:
S:physm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8807ea0      physm_hdl
0xb8012aa0
S:force_offline         0               copper                  0
S:fault_reason          0: UNKNOWN
S:phy_media_present             0
S:
S:snsm variables:
S:-------------------------------------------------------------------
---------
S:speed                 0xff            proto_phyp
0xb8807ea0
S:hw_sn_tries_left      0x0             sw_sn_tries_left        0x0
S:curr_txsp_count               0x0
S:tx_max                        0x0             curr_tx_indx
        0x0
S:curr_tx                       0x0             curr_rxsp_count
        0x0
S:rx_max                        0x0             curr_rx_indx
        0x0
S:curr_rx                       0x0             rx_mem
        0x0
S:rxsp_rec_count                0x0
S:nc_start              0x0             tx_start                0x0
S:sync_start            0x0             sync_present            0x0
S:diag_auto             0x0             diag_speed              0xff
S:striped_wd_tov                3000            hw_wd_tov
        3000
S:step                  0x0             qsfp28_speed_mode
        0x0
S:qsfp_mode0_hw_sn_tries_left           0x0
S:qsfp_mode1_hw_sn_tries_left           0x0
S:
S:lksm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8807ea0      ov_lksm_hdl
0xb8012b40
sw_lksm_hdl             0xb8012be0
num_lf1                 0
S:hw_link_tries_left    0               sw_link_tries_left      0
S:buf_ptype             0x0             stored_entry_state      0x6
S:handshake_owner               0x0             mark_unsent
        0x0
S:busybuf_stuck         0x0             lr_wait                 0x0
S:
S:trksm variables:
S:-------------------------------------------------------------------
---------
S:Not a trunk port
```

```
S:
S:upsm variables:
S:-----------------------------------------------------------------
---------
S:proto_phyp            0xb8807ea0      upsm_hdl
0xb8012d20
S:bb_credits            0               port_beacon             0
S:port_diag_flag                0               force_offline
        0
S:port_fault_rsn                0: PORT_NO_FAULT
S:retry_init_rsn                0: UNKNOWN
S:linit_reason          0               linit_result            0
S:ie_fctl_mode          0               fec_in_sync_tries_left  0
S:retry_sn_fail_init    0
retry_link_fail_init    0
S:excess_lr_count       0
S:
S:c4_ch_cfg
S:-----------------------------------------------------------------
---------
S:c4_desc_ring_size     256      292      256      256      292
292      2        292      292
S:thresh_def            0        16       1        0
S:intr_tries            500             cmem_pattern
0xdeadbeef
S:cmem_pattern_upwd     2               cmem_init_time          16
S:cmem_init_tries               5
S:ctrl_par_thresh               2               data_par_thresh
        4
S:cam_par_thresh                4               buf_loss_thresh
        12
S:crit_par_thresh               2               non_crit_par_thresh
        6
S:pci_abort_thresh      10              pci_err_thresh          5
S:excess_chintr_thresh  8               sw_err_thresh           20
S:err_sample_period     300             intr_sleep
20000
S:frame_timeout 2500            proxy_dev               16384
S:vf_route      81920           qos             2048
S:stats 2048            f_redirect              2048
S:rsp_trap      2048            lun_zoning              20480
S:area_mode     0               ftb_max_loop[0]         0
S:ftb_max_loop[1]       6               ftb_max_loop[2]         9
S:ftb_max_loop[3]       10              ftb_max_loop[4]         10
S:ftb_max_loop[5]       5               ftb_max_loop[6]         6
S:ftb_seg_size[0]       0               ftb_seg_size[1]
16384
S:ftb_seg_size[2]       65536           ftb_seg_size[3]
16384
S:ftb_seg_size[4]       16384           ftb_seg_size[5]
65536
S:ftb_seg_size[6]       16384           ftb_seg_base[0]         0
S:ftb_seg_base[1]       0               ftb_seg_base[2]
65536
```

```
S:ftb_seg_base[3]       16384           ftb_seg_base[4]
32768
S:ftb_seg_base[5]       131072          ftb_seg_base[6]
49152
asic_err_monitor_period1                300
asic_err_monitor_period2                86400
zone_chk_to_poll_period 25
zone_chk_class2_reject_tov              220
S:
S:c4_phy_cfg
S:-------------------------------------------------------------------
---------
S:version = 2.1
S:pt                    0x4302800b      fab_ptr
0x9a800000
S:fabattr                       0x9a8000d4      fab_iop
        0x9a800050
S:cfgbm                 0xbb8378c4      port_ctrl
0xb6aca098
S:pcap.pcap_bm          0x8d215547      pcap.pcap2_bm
0x2588289
S:pcap.pcap3_bm         0x1bebe0c
ui_idx                  49              S:slot_no
        0
is_icl                  0               S:sw_usr_ports          400
S:neg_speed             0 0 0 0 0 0
S:my_domain             0x1             port_mode               0x0
S:hw_sn_maxtries                100             sw_sn_maxtries
        0
S:hw_link_maxtries      10              sw_link_maxtries        5
S:rx_cyc_tov            28              rttov                   300
S:bufrdy_tov            300             busybuf_tov             286
S:mark_tov              300             lksm_tov                3000
S:buf_dealloc_wait      4               hw_wd_tov               3000
S:hw_lk_train_tov               540             hw_lk_test_tov
        150
S:syswait_tx_12_lips    1               lip_rx_tov              55
S:al_time_tov           15              lp_tov                  2000
S:intr_tries_port               500             intr_mod_debounce
        250
S:intr_lsr_flt_debounce 500             intr_efifo_debounce     100
S:port_no_fid           3               excess_ptintr_thresh    8
S:port_fault1_thresh    100             port_fault1_spur_thresh 250
S:port_fault1_disc_thresh       500
port_fault1_disc_spur_thresh    1000
S:port_fault2_thresh    5               losync_tov              100
S:port_sw_link_to               15              en_8g_scramble
        1
frc_hw_sn_mode          0x1
S:enc_poll_thresh               0               fec_enable
        0
S:fec_in_sync_to                50              fec_in_sync_try_max
        4
S:port_be_lto_threshold         100             port_be_lr_threshold
```

```
               2
S:be_cr_in_sync_to              5
port_credit_overrun_thresh              10
S:jda_sfp_losig_tov             400
jda_sfp_losig_try_max           30
S:striped_wd_tov                3000
no_sync_debounce                1200
S:
S:      fab_iop
S:======================================
S:fab_iop->interop_mode 0x0             fab_iop->lab_mode       0x0
S:fab_iop->fl_bbc               0x0             fab_iop->fl_fan
        0x0
S:fab_iop->fl_cls               0x4             fab_iop->fl_rscn
        0x0
S:fab_iop->domain_id_offset     0x60            fab_iop-
>mcdt_fabric_mode       0x0
S:fab_iop->mcdt_default_zone            0x0             fab_iop-
>mcdt_safe_zone         0x0
S:
S:      port_ctrl
S:======================================
S:port_ctrl.port_type   1               port_ctrl.port_grp      1
S:port_ctrl.port_number 49              port_ctrl.vc_mode       1
S:
S:      port_ctrl.lcap
S:======================================
S:has_serdes            0               has_media               1
S:topology              1               skip_nego               0
S:skip_pnego            0               skip_init_event         0
S:en_shim                       0               speed_neg
        1
S:loop_back             0               num_speeds              5
S:fec_enable            0
S:
S:      port_ctrl.speed_list array
S:======================================
S:speed_list[0].auto_neg  1     speed_list[0].lnk_speed  0x0000000a
S:speed_list[1].auto_neg  1     speed_list[1].lnk_speed  0x00000008
S:speed_list[2].auto_neg  1     speed_list[2].lnk_speed  0x00000006
S:speed_list[3].auto_neg  1     speed_list[3].lnk_speed  0x00000005
S:speed_list[4].auto_neg  1     speed_list[4].lnk_speed  0x00000003
S:speed_list[5].auto_neg  0     speed_list[5].lnk_speed  0x00000000
S:
S:      port_ctrl.cm
S:======================================
S:port_ctrl.cm.num_vcs          8
S:port_ctrl.cm.min_bufs         8
S:port_ctrl.cm.cr_shar_bufs     0
S:port_ctrl.vc_alloc
S:port_ctrl.vc_alloc            2 0 1 1 1 1 1 1
S:port_ctrl.vc_alloc            0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.norm_vc_alloc
```

```
S:port_ctrl.norm_vc_alloc       4 0 5 5 5 5 1 1
S:port_ctrl.norm_vc_alloc       0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.cm.skip_bb_credit           0
S:port_ctrl.cm.use_shim_based_sublist           0
S:
S:      port_ctrl.serdes_set
S:=====================================
S:serdes_type           0x8
S:serdes_data_t.ibm_hss_serdes.tx_drive_power           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b_sign      0x1
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_a           0x0
S:serdes_data_t.ibm_hss_serdes.rxeq                     0x0
S:
S:      cfgbm
S:=====================================
S:old_distance          0x0             gport_lockdown          0x0
S:tport                 0x1             speed                   0x0
S:disable_eport         0x0             fcacc                   0x0
S:lport_lockdown                0x0             priv_lport_lockdown
        0x0
S:vcxlt_linit           0x0             delay_flogi             0x0
S:isl_interop           0x0             distance                0x0
S:BufStarvFlag          0x0             credit_sharing          0x0
S:lport_halfduplex      0x0             lport_fairness          0x0
S:soft_neg              0x0             asn_frc_hwretry         0x0
S:cr_recov              0x0             fport_buffers           0x0
S:export                        0x0             export_mode
        0x0
S:csctl_en              0x0             mirror_port             0x0
S:fault_delay           0x0             non_dfe                 0x0
S:fec_configured*(0=ENAB)       0               fec_tts
        0
S:port_persistently_disabled (permanently) 0 (0)
S:
S:      cfg property
S:=====================================
S:priv_pcfg_bm          0x00000000      lgcl_pcfg_bm
0xbb837904
S:fport_buffer          0x00000000
S:
S:
S:C4 Discard Cntrs: rxlp_stats = 0xb6ac93f0
S:-------------------------------------------------------------------
---------
S:disc_mcast_wka        0x0             disc_inv_did            0x0
S:disc_cl1_cl4          0x0             disc_sid_chk_fail       0x0
S:disc_inv_dom_egid_txpt        0x0             disc_vft_hop_cnt_1
        0x0
S:disc_classf           0x0             disc_fcp_cdb_inv        0x0
S:disc_vfid_trap_enabled        0x0
disc_vfid_hdr_chk_fail  0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
```

```
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_ftb_vm_mode      0x0             disc_ftb_agn_t2_miss    0x0
S:disc_ecb_de_pad_err   0x0             disc_ecb_de_tag_err     0x0
S:disc_ecb_de_seq_err   0x0             disc_ecb_err            0x0
S:disc_ftb_type4_match  0x0             disc_fcp_rsp_ftb_type4  0x0
S:disc_fcp_rsp_ftb_type4        0x0             disc_ftb_type5_match
        0x0
S:disc_ftb_type3_match  0x0             disc_els_ftb_type3      0x0
S:disc_ftb_type1_match  0x0             disc_els_rsp_ex_port    0x0
S:disc_inv_drp_dps      0x0             disc_did_lookup_miss    0x0
S:disc_ftb_type2_match  0x0             disc_trpd_plogi_pdisc   0x0
S:disc_type2_lookup_miss        0x0             disc_ftb_type6_match
        0x0
S:disc_els_rep_ex_port  0x0             disc_els_sid_lkup_bit1  0x0
S:disc_els_sid_lkup_bit0        0x0
disc_bls_frm_trap_bit1  0x0
S:disc_ftb_token_err    0x0             disc_asic_internal_err  0x0
S:disc_hard_zone_miss   0x0             disc_lun_zone_miss      0x0
S:disc_flt_frame_disc   0x0             disc_flt_parity_err     0x0
S:disc_frame_marked_du  0x0             disc_frame_marked_to    0x0
E:Connection type: FE
E:Port type: E_port
E:Trunk port: No
E:Configured Speed: AUTO_SPEED_NEGO
E:Max Capable Speed: 32G
E:Current SNSM Speed: UNDEFINED
E:Hardware TX Speed: 32G (0x00000004)
E:Hardware RX Speed: 32G (0x00000040)
E:
E:Interrupts:   0           Link_failure:       0
Loss_of_sync:   0           Loss_of_sig:        0
E:Lli:          0           Invalid_word:       0
E:trapped_frm:  0           fwd_status_ok:      0
E:fwd_timeout:  0           fwd_tx_unavail:     0
E:fwd_unroutable:       0           fwd_zone_out:       0
E:fwd_other_err:        0           frm_err_discard:    0
E:Fltr listA:   0           Fltr listB:         0
E:Zone trap fwd:        0           Zone trap disc:     0
E:shim_csum:    0           RTE_perr:           0
E:Invalid_crc:  0           Delim_err:          0
E:Protocol_err: 0
E:Lr_in:        0           Lr_out:             0
E:Ols_in:       0           Ols_out:            0


filterportshow 49

                FILTER DATA
                -----------
Shadow settings:
   Filter Enable: 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
```

```
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass: 0x00000000
Real settings:
   Enable RAM: 0x00000000, 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
```

```
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass RAM: 0x00000000

Shadowed filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        c4_fldenable[0] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[0] = 0x00000000,c4_fltr_config[0] = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        c4_fldenable[1] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[1] = 0x00000000,c4_fltr_config[1] = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        c4_fldenable[2] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[2] = 0x00000000,c4_fltr_config[2] = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        c4_fldenable[3] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[3] = 0x00000000,c4_fltr_config[3] = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        c4_fldenable[4] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[4] = 0x00000000,c4_fltr_config[4] = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        c4_fldenable[5] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[5] = 0x00000000,c4_fltr_config[5] = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        c4_fldenable[6] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[6] = 0x00000000,c4_fltr_config[6] = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        c4_fldenable[7] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[7] = 0x00000000,c4_fltr_config[7] = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        c4_fldenable[8] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[8] = 0x00000000,c4_fltr_config[8] = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        c4_fldenable[9] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[9] = 0x00000000,c4_fltr_config[9] = 0x00000000
```

```
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        c4_fldenable[10] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[10] = 0x00000000,c4_fltr_config[10] =
0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        c4_fldenable[11] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[11] = 0x00000000,c4_fltr_config[11] =
0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        c4_fldenable[12] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[12] = 0x00000000,c4_fltr_config[12] =
0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        c4_fldenable[13] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[13] = 0x00000000,c4_fltr_config[13] =
0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        c4_fldenable[14] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[14] = 0x00000000,c4_fltr_config[14] =
0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        c4_fldenable[15] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[15] = 0x00000000,c4_fltr_config[15] =
0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        c4_fldenable[16] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[16] = 0x00000000,c4_fltr_config[16] =
0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        c4_fldenable[17] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[17] = 0x00000000,c4_fltr_config[17] =
0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        c4_fldenable[18] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[18] = 0x00000000,c4_fltr_config[18] =
0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        c4_fldenable[19] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[19] = 0x00000000,c4_fltr_config[19] =
0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        c4_fldenable[20] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[20] = 0x00000000,c4_fltr_config[20] =
```

```
0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        c4_fldenable[21] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[21] = 0x00000000,c4_fltr_config[21] =
0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        c4_fldenable[22] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[22] = 0x00000000,c4_fltr_config[22] =
0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        c4_fldenable[23] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[23] = 0x00000000,c4_fltr_config[23] =
0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        c4_fldenable[24] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[24] = 0x00000000,c4_fltr_config[24] =
0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        c4_fldenable[25] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[25] = 0x00000000,c4_fltr_config[25] =
0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        c4_fldenable[26] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[26] = 0x00000000,c4_fltr_config[26] =
0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        c4_fldenable[27] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[27] = 0x00000000,c4_fltr_config[27] =
0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        c4_fldenable[28] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[28] = 0x00000000,c4_fltr_config[28] =
0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        c4_fldenable[29] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[29] = 0x00000000,c4_fltr_config[29] =
0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        c4_fldenable[30] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[30] = 0x00000000,c4_fltr_config[30] =
0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        c4_fldenable[31] = 0x00000000 0x00000000 0x00000000
0x00000000
```

```
        c4_fldnegate[31] = 0x00000000,c4_fltr_config[31] =
0x00000000


Real filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
```

```
Filter 12: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
```

```
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000

Filter dirty indicator: 0x00000000
Performance filters: 0
Port Mirror filters: 0 (0x0)


               FIELD DATA
               ----------

Shadowed fields:

fldoffset[0] = 0x00,fldmask[0] = 0x00,fldvalue_dyna[0]:0x00 0x00
0x00 0x00
fldcontrol[0].inuse = 0x0  fldcontrol[0].refcnt = 0x00 0x00 0x00
0x00
fldoffset[1] = 0x00,fldmask[1] = 0x00,fldvalue_dyna[1]:0x00 0x00
0x00 0x00
fldcontrol[1].inuse = 0x0  fldcontrol[1].refcnt = 0x00 0x00 0x00
0x00
fldoffset[2] = 0x00,fldmask[2] = 0x00,fldvalue_dyna[2]:0x00 0x00
0x00 0x00
fldcontrol[2].inuse = 0x0  fldcontrol[2].refcnt = 0x00 0x00 0x00
0x00
fldoffset[3] = 0x00,fldmask[3] = 0x00,fldvalue_dyna[3]:0x00 0x00
0x00 0x00
fldcontrol[3].inuse = 0x0  fldcontrol[3].refcnt = 0x00 0x00 0x00
0x00
fldoffset[4] = 0x00,fldmask[4] = 0x00,fldvalue_dyna[4]:0x00 0x00
```

0x00 0x00
fldcontrol[4].inuse = 0x0 fldcontrol[4].refcnt = 0x00 0x00 0x00
0x00
fldoffset[5] = 0x00,fldmask[5] = 0x00,fldvalue_dyna[5]:0x00 0x00
0x00 0x00
fldcontrol[5].inuse = 0x0 fldcontrol[5].refcnt = 0x00 0x00 0x00
0x00
fldoffset[6] = 0x00,fldmask[6] = 0x00,fldvalue_dyna[6]:0x00 0x00
0x00 0x00
fldcontrol[6].inuse = 0x0 fldcontrol[6].refcnt = 0x00 0x00 0x00
0x00
fldoffset[7] = 0x00,fldmask[7] = 0x00,fldvalue_dyna[7]:0x00 0x00
0x00 0x00
fldcontrol[7].inuse = 0x0 fldcontrol[7].refcnt = 0x00 0x00 0x00
0x00
fldoffset[8] = 0x00,fldmask[8] = 0x00,fldvalue_dyna[8]:0x00 0x00
0x00 0x00
fldcontrol[8].inuse = 0x0 fldcontrol[8].refcnt = 0x00 0x00 0x00
0x00
fldoffset[9] = 0x00,fldmask[9] = 0x00,fldvalue_dyna[9]:0x00 0x00
0x00 0x00
fldcontrol[9].inuse = 0x0 fldcontrol[9].refcnt = 0x00 0x00 0x00
0x00
fldoffset[10] = 0x00,fldmask[10] = 0x00,fldvalue_dyna[10]:0x00 0x00
0x00 0x00
fldcontrol[10].inuse = 0x0 fldcontrol[10].refcnt = 0x00 0x00 0x00
0x00
fldoffset[11] = 0x00,fldmask[11] = 0x00,fldvalue_dyna[11]:0x00 0x00
0x00 0x00
fldcontrol[11].inuse = 0x0 fldcontrol[11].refcnt = 0x00 0x00 0x00
0x00
fldoffset[12] = 0x00,fldmask[12] = 0x00,fldvalue_dyna[12]:0x00 0x00
0x00 0x00
fldcontrol[12].inuse = 0x0 fldcontrol[12].refcnt = 0x00 0x00 0x00
0x00
fldoffset[13] = 0x00,fldmask[13] = 0x00,fldvalue_dyna[13]:0x00 0x00
0x00 0x00
fldcontrol[13].inuse = 0x0 fldcontrol[13].refcnt = 0x00 0x00 0x00
0x00
fldoffset[14] = 0x00,fldmask[14] = 0x00,fldvalue_dyna[14]:0x00 0x00
0x00 0x00
fldcontrol[14].inuse = 0x0 fldcontrol[14].refcnt = 0x00 0x00 0x00
0x00
fldoffset[15] = 0x00,fldmask[15] = 0x00,fldvalue_dyna[15]:0x00 0x00
0x00 0x00
fldcontrol[15].inuse = 0x0 fldcontrol[15].refcnt = 0x00 0x00 0x00
0x00
fldoffset[16] = 0x00,fldmask[16] = 0x00,fldvalue_dyna[16]:0x00 0x00
0x00 0x00
fldcontrol[16].inuse = 0x0 fldcontrol[16].refcnt = 0x00 0x00 0x00
0x00
fldoffset[17] = 0x00,fldmask[17] = 0x00,fldvalue_dyna[17]:0x00 0x00
0x00 0x00
fldcontrol[17].inuse = 0x0 fldcontrol[17].refcnt = 0x00 0x00 0x00

```
0x00
fldoffset[18] = 0x00,fldmask[18] = 0x00,fldvalue_dyna[18]:0x00 0x00
0x00 0x00
fldcontrol[18].inuse = 0x0  fldcontrol[18].refcnt = 0x00 0x00 0x00
0x00
fldoffset[19] = 0x00,fldmask[19] = 0x00,fldvalue_dyna[19]:0x00 0x00
0x00 0x00
fldcontrol[19].inuse = 0x0  fldcontrol[19].refcnt = 0x00 0x00 0x00
0x00

Real fields:

fldoffset RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fldmask RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fld value4 RAM:
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
Field dirty indicator: 0x00000000

FDB reference count fdb: 0 [0 0 0 0 ]
FDB reference count fdb: 1 [0 0 0 0 ]
FDB reference count fdb: 2 [0 0 0 0 ]
FDB reference count fdb: 3 [0 0 0 0 ]
FDB reference count fdb: 4 [0 0 0 0 ]
FDB reference count fdb: 5 [0 0 0 0 ]
FDB reference count fdb: 6 [0 0 0 0 ]
FDB reference count fdb: 7 [0 0 0 0 ]
FDB reference count fdb: 8 [0 0 0 0 ]
FDB reference count fdb: 9 [0 0 0 0 ]
FDB reference count fdb: 10 [0 0 0 0 ]
FDB reference count fdb: 11 [0 0 0 0 ]
FDB reference count fdb: 12 [0 0 0 0 ]
FDB reference count fdb: 13 [0 0 0 0 ]
FDB reference count fdb: 14 [0 0 0 0 ]
```

```
FDB reference count fdb: 15 [0 0 0 0 ]
FDB reference count fdb: 16 [0 0 0 0 ]
FDB reference count fdb: 17 [0 0 0 0 ]
FDB reference count fdb: 18 [0 0 0 0 ]
FDB reference count fdb: 19 [0 0 0 0 ]

Filter counters:
   Filter counter 0: 0  (MIRROR1)
   Filter counter 1: 0  (MIRROR2)
   Filter counter 2: 0  (MIRROR3)
   Filter counter 3: 0  (MIRROR4)
   Filter counter 4: 0  (AEPORT_NON_MIRR_DROP)
   Filter counter 5: 0  (ZONING TRAP)
   Filter counter 6: 0  (FCR_EXPORT_DC)
   Filter counter 7: 0  (TIN TRAP)
   Filter counter 8: 0  (FICON CUP)
   Filter counter 9: 0  (FICON CUP DST)
   Filter counter 10: 0 (WELL KNOWN ADDR)
   Filter counter 11: 0 (SIM)
   Filter counter 12: 0 (UNUSED)
   Filter counter 13: 0 (UNUSED)
   Filter counter 14: 0 (UNUSED)
   Filter counter 15: 0 (UNUSED)
   Filter counter 16: 0 (PERF1)
   Filter counter 17: 0 (PERF2)
   Filter counter 18: 0 (PERF3)
   Filter counter 19: 0 (PERF4)
   Filter counter 20: 0 (PERF5)
   Filter counter 21: 0 (PERF6)
   Filter counter 22: 0 (PERF7)
   Filter counter 23: 0 (PERF8)
   Filter counter 24: 0 (PERF9)
   Filter counter 25: 0 (PERF10)
   Filter counter 26: 0 (PERF11)
   Filter counter 27: 0 (PERF12)
   Filter counter 28: 0 (OPM1)
   Filter counter 29: 0 (OPM2)
   Filter counter 30: 0 (IPM1)
   Filter counter 31: 0 (IPM2)

               ACL DATA
               --------
Logical port 11: Hard Zoning disabled, Soft Zoning disabled
Zone type: WWN Zoning
Frames with hard zone miss: 0

*** Please use filterportshow on user port 56 to display ACL hash
tables and Mirroring resources of thischip.
 ***We show this data only for the first physical port which is an
exernal port.

portFcPortCmdShow --slot 0 50 3
doing portFcPortCmdShow: arg1 = 3, arg2 = -2
```

```
portshow 50
portDisableReason: None
portCFlags: 0x0
portFlags: 0x4021        PRESENT U_PORT DISABLED LED
LocalSwcFlags: 0x0
portType:  26.0
POD Port: Need license to enable the port
portState: 2    Offline
Protocol: FC
portPhys:  2    No_Module       portScn:   2    Offline
port generation number:    0
state transition count:    0

portId:    013200
portIfId:    43020009
portWwn:   20:32:d8:1f:cc:2c:99:90
portWwn of device(s) connected:
16b Area list:
Distance:  normal
portSpeed: N32Gbps

FEC: Inactive
Credit Recovery: Inactive
LE domain: 0
Peer beacon: Off
FC Fastwrite: OFF
Interrupts:        0          Link_failure: 0          Frjt:
0
Unknown:           0          Loss_of_sync: 0          Fbsy:
0
Lli:               0          Loss_of_sig:  0
Proc_rqrd:         0          Protocol_err: 0
Timed_out:         0          Invalid_word: 0
Tx_unavail:        0          Invalid_crc:  0
Delim_err:         0          Address_err:  0
Lr_in:             0          Ols_in:       0
Lr_out:            0          Ols_out:      0


portloginshow 50
Type  PID     World Wide Name        credit df_sz cos
=====================================================


portloginshow 50 -history
 Type  PID      World Wide Name           logout time
============================================================


portregshow 50

LED registers
=============
0x81c4a000: c4_led_status           00000000    0x81c4a004:
```

```
c4_led_ctl              00000000

FPL registers
=============
0x81c48200: fpl_port_config         23490000
0x81c4820c: fpl_port_id_ctl         00000000    0x81c48210:
fpl_port_id_addr        00013200
0x81c48214: fpl_port_speed          00000004    0x81c4821c:
fpl_lli_ctl             00000903
0x81c48228: fpl_lli_os_ctl          bc95b5b5    0x81c4822c:
fpl_lli_send_word       bc95b5b5
0x81c48230: fpl_lli_mark_rx         00000000    0x81c48234:
fpl_lli_rnd_trip_time   00000000
0x81c48238: fpl_lli_ns_status       80070007    0x81c4823c:
fpl_lli_intr_status     80070007
0x81c48244: fpl_lli_def             00000000    0x81c48254:
fpl_lli_intr_enable_clr 00100000
0x81c48258: fpl_err_intr_status     00000000    0x81c48260:
fpl_err_intr_enable_clr 00000000
0x81c48268: fpl_err_first_error     00000000    0x81c4826c:
fpl_speed_neg_ctl       00000000
0x81c48270: fpl_speed_neg_stat      00000000    0x81c48274:
fpl_softasn_ctl         0000000f
0x81c48278: fpl_link_init_ctl       00000000    0x81c4827c:
fpl_link_init_stat      00000000
0x81c48280: fpl_aec_ctl             00051060    0x81c48284:
fpl_aec_ctl2            04009f60
0x81c48288: fpl_pcs_ctl             00000160    0x81c4828c:
fpl_fec_ctl             00000441
0x81c48290: fpl_fec_cor             00000000    0x81c48294:
fpl_fec_uncor           00000000
0x81c48298: fpl_hss_link_ctl        0031f040    0x81c4829c:
fpl_afifo_link_ctl      00000a86
0x81c482a0: fpl_echo_lb_ctl         0000028c    0x81c482a4:
fpl_scratch             00000121
0x81c482a8: fpl_debug               00030005    0x81c482ac:
fpl_misc_debug          00001800
0x00000000: SW_shadow_reg           00000000    0x00000000:
SW_c4_phyp->cfgptr      00030000

per-fpg (per octet) registers
=============================
0x8180b82c: fpg_serdes_ctla0        81a37be7    0x8180b830:
fpg_serdes_ctla1        81a37be7
0x8180b834: fpg_serdes_ctlb0        81a1c3c3    0x8180b838:
fpg_serdes_ctlb1        81a1c3c3
0x8180b83c: fpg_serdes_xgmii_1ms    00067c28    0x8180b840:
fpg_serdes_regtimctl    40e47946
0x8180b844: fpg_serdes_asnrsttimctl 00000102

HSS PLL registers
=============================
0x81809400: 00_hssplla_vco_coarse_cal0      00000000    0x81809404:
01_hssplla_vco_coarse_cal1      00000014
```

```
0x81809408: 02_hssplla_vco_coarse_cal2      00000000    0x8180940c:
03_hssplla_vco_coarse_cal3      00000000
0x81809410: 04_hssplla_vco_coarse_cal4      00000000    0x81809424:
09_hssplla_power_ctl            00000000
0x81809428: 0A_hssplla_charge_pump_ctl      00000004    0x81809438:
0E_hssplla_pll_misc_ctl         00000000
0x8180943c: 0F_hssplla_pclk_ctl             000000f8    0x81809440:
10_hssplla_eyem_intv_ctl        00000000
0x81809444: 11_hssplla_eyem_intv_lim1       00000000    0x81809448:
12_hssplla_eyem_intv_lim2       00000000
0x8180944c: 13_hssplla_eyem_intv_lim3       00000000    0x81809450:
14_hssplla_eyem_intv_lim4       00000000
0x818094f0: 3C_hssplla_macro_tst_ctl4       00000000    0x818094f4:
3D_hssplla_macro_tst_ctl3       00000000
0x818094f8: 3E_hssplla_macro_tst_ctl2       00000000    0x818094fc:
3F_hssplla_macro_tst_ctl1       00000000
0x81809500: 00_hssp1lb_vco_coarse_cal0      0000000a    0x81809504:
01_hssp1lb_vco_coarse_cal1      00000014
0x81809508: 02_hssp1lb_vco_coarse_cal2      00000000    0x8180950c:
03_hssp1lb_vco_coarse_cal3      00000000
0x81809510: 04_hssp1lb_vco_coarse_cal4      00000000    0x81809524:
09_hssp1lb_power_ctl            00000000
0x81809528: 0A_hssp1lb_charge_pump_ctl      00000004    0x81809538:
0E_hssp1lb_pll_misc_ctl         00000000
0x8180953c: 0F_hssp1lb_pclk_ctl             000000f8    0x81809540:
10_hssp1lb_eyem_intv_ctl        00000000
0x81809544: 11_hssp1lb_eyem_intv_lim1       00000000    0x81809548:
12_hssp1lb_eyem_intv_lim2       00000000
0x8180954c: 13_hssp1lb_eyem_intv_lim3       00000000    0x81809550:
14_hssp1lb_eyem_intv_lim4       00000000
0x818095f0: 3C_hssp1lb_macro_tst_ctl4       00000000    0x818095f4:
3D_hssp1lb_macro_tst_ctl3       00000000
0x818095f8: 3E_hssp1lb_macro_tst_ctl2       00000000    0x818095fc:
3F_hssp1lb_macro_tst_ctl1       00000000

HSS TX registers
================
0x81808100: 00_hsstx_cfg_mode_PHY           00009f48    0x81808104:
01_hsstx_test_ctl               00000000
0x81808108: 02_hsstx_coeff_ctl_INV          00000000    0x8180810c:
03_hsstx_drv_mode_ctl           00000000
0x81808110: 04_hsstx_drv_ovrd_ctl           00000010    0x81808114:
05_hsstx_dclk_align_ovrd        00000080
0x81808118: 06_hsstx_imp_cal_ovrd           00000c0c    0x8180811c:
07_hsstx_dclk_drift_tol         00000004
0x81808120: 08_hsstx_tap0_coeff_TUNE        00000000    0x81808124:
09_hsstx_tap1_coeff_TUNE        00000003
0x81808128: 0A_hsstx_tap2_coeff_TUNE        00000018    0x8180812c:
0B_hsstx_tap3_coeff_TUNE        0000000d
0x81808134: 0D_hsstx_pol_INV                00000004    0x81808138:
0E_hsstx_ae_cmd                 00000000
0x8180813c: 0F_hsstx_ae_stat                00000000    0x81808140:
10_hsstx_ae_tap0_TUNE           00000000
0x81808144: 11_hsstx_ae_tap1_TUNE           00000000    0x81808148:
```

```
12_hsstx_ae_tap2_TUNE           00000028
0x8180814c: 13_hsstx_ae_tap3_TUNE           00000000    0x81808154:
15_hsstx_app_tune               0000120e
0x81808158: 16_hsstx_analog_diag            00000000    0x81808160:
18_hsstx_4x_seg_app             0000aafa
0x81808164: 19_hsstx_2x_seg_app             00000000    0x81808168:
1A_hsstx_1x_seg_app             0000ff5d
0x8180816c: 1B_hsstx_seg_4x_term_app        00000000    0x81808170:
1C_hsstx_seg_2x1x_term_app      00000f00
0x81808174: 1D_hsstx_tap_sign_app           00000004    0x81808178:
1E_hsstx_ext_addr_data          00000001
0x8180817c: 1F_hsstx_ext_addr_addr          00000000    0x81808180:
20_hsstx_pat_buf_bytes_1_0      00000000
0x81808184: 21_hsstx_pat_buf_bytes_3_2      00000000    0x81808188:
22_hsstx_pat_buf_bytes_5_4      00000000
0x8180818c: 23_hsstx_pat_buf_bytes_7_6      00000000    0x8180819c:
27_hsstx_8023az_ctl             00000000
0x818081a0: 28_hsstx_dcc_ctl                000060c0    0x818081a4:
29_hsstx_dcc_ovrd               00001000
0x818081a8: 2A_hsstx_dcc_app                00000090    0x818081ac:
2B_hsstx_dcc_timeout            0000ffff
0x818081c0: 30_hsstx_tap_sign_ovrd          00000000    0x818081c8:
32_hsstx_seg_4x_ovrd            00000000
0x818081cc: 33_hsstx_seg_2x_ovrd            00000000    0x818081d0:
34_hsstx_seg_1x_ovrd            00000000
0x818081d8: 36_hsstx_tap_seg_4x_term_ovrd   00000000    0x818081dc:
37_hsstx_tap_seg_2x_term_ovrd   00000000
0x818081e0: 38_hsstx_tap_seg_1x_term_ovrd   00000000    0x818081ec:
3B_hsstx_mac_test_ctl5          00000000
0x818081f0: 3C_hsstx_mac_test_ctl4          00000000    0x818081f4:
3D_hsstx_mac_test_ctl3          00000000
0x818081f8: 3E_hsstx_mac_test_ctl2          00000000    0x818081fc:
3F_hsstx_mac_test_ctl1          000000c6

HSS RX registers
================
0x81808300: 00_hssrx_cfg_mode_PHY           00009e78    0x81808304:
01_hssrx_test_ctl               00000000
0x81808308: 02_hssrx_phs_rot_ctl            0000cb80    0x8180830c:
03_hssrx_phs_rot_ofs_ctl        00000610
0x81808310: 04_hssrx_phs_rot_posn1          00001d3c    0x81808314:
05_hssrx_phs_rot_posn2          0000002d
0x81808318: 06_hssrx_phs_rot_sta_ofs1       00000000    0x8180831c:
07_hssrx_phs_rot_sta_ofs2       0000001f
0x81808320: 08_hssrx_dfe_ctl_PHY            00002002    0x81808324:
09_hssrx_dfe_smpl_snap1         00000000
0x81808328: 0A_hssrx_dfe_smpl_snap2         00008000    0x8180832c:
0B_hssrx_vga_ctl1               000041d9
0x81808330: 0C_hssrx_vga_ctl2               00007aa0    0x81808334:
0D_hssrx_vga_ctl3               000009e4
0x81808338: 0E_hssrx_pwr_mgmnt_ctl          0000001f    0x8180833c:
0F_hssrx_iqamp_ctl1             00000018
0x81808340: 10_hssrx_iqamp_ctl2             00000003    0x81808344:
11_hssrx_dacap_dacan_sel        00000003
```

```
0x81808348: 12_hssrx_dacap_dacan           0000fefe    0x8180834c:
13_hssrx_daca_min               00000000
0x81808350: 14_hssrx_adac_ctl              00000000    0x81808354:
15_hssrx_ac_cp_ctl              000031c3
0x81808358: 16_hssrx_ac_cp_val             0000004f    0x8180835c:
17_hssrx_dfe_h1h2h3_lcl_off_ch  00000014
0x81808360: 18_hssrx_dfe_h1h2h3_lcl_off_val 00000000    0x81808364:
19_hssrx_peaked_intg            000000ff
0x81808368: 1A_hssrx_cdr_analog_sw         0000ce00    0x8180836c:
1B_hssrx_peaking_amp_init_c_PHY 00000000
0x81808370: 1C_hssrx_dac_dpc               00000040    0x81808374:
1D_hssrx_ddc                    00000000
0x81808378: 1E_hssrx_int_stat_PHY          00000c0f    0x8180837c:
1F_hssrx_dfe_func_ctl1_PHY      0000ffff
0x81808380: 20_hssrx_dfe_func_ctl2_INV     00007ebf    0x81808384:
21_hssrx_ofs_ch_dcc_qcc_idx     00002000
0x81808388: 22_hssrx_dfe_ofs_val           00007f7d    0x8180838c:
23_hssrx_h_coeff_bist           00000401
0x81808390: 24_hssrx_ac_cap_bist           00000000    0x81808394:
25_hssrx_max_gain_path_idx_res  00007800
0x81808398: 26_hssrx_loff_ctl              00000055    0x8180839c:
27_hssrx_sigdet_ctl             00002380
0x818083a0: 28_hssrx_ana_ctl_sw            00000000    0x818083a4:
29_hssrx_intg_dac_ofs           0000dcdf
0x818083a8: 2A_hssrx_eye_ctl               00000000    0x818083ac:
2B_hssrx_eye_met                00000004
0x818083b0: 2C_hssrx_eye_met_err_cnt       00000000    0x818083b4:
2D_hssrx_eye_met_pdf_eyec       00000000
0x818083b8: 2E_hssrx_eye_met_pat_len       0000007f    0x818083bc:
2F_hssrx_dfe_func_ctl3          0000dfff
0x818083c0: 30_hssrx_dfe_tap_ctl_idx_ptr   00000008    0x818083c4:
31_hssrx_dfe_tap                00003030
0x818083c8: 32_hssrx_lte_ctl_TUNE          00001601    0x818083e4:
39_hssrx_int_stat2              000041ff
0x818083e8: 3A_hssrx_ac_cpl_cur_src_adj    00000042    0x818083ec:
3B_hssrx_dcd_ctl                00007c48
0x818083f0: 3C_hssrx_dcc_ctl               00000d41    0x818083f4:
3D_hssrx_qcc_ctl                00006944
0x818083f8: 3E_hssrx_mac_test_ctl2         00000000    0x818083fc:
3F_hssrx_mac_test_ctl1          00000000
0x81808348: 12_hssrx_dacap_dacan[02]               00fe fefe
0x81808360: 18_hssrx_dfe_h1h2h3_lcl_off_va[00]     0000 0000   0000
0000   0000 0000   0000 0000
0x81808360: 18_hssrx_dfe_h1h2h3_lcl_off_va[08]     0000 0000   0000
0000   0000 0000   0000 0000
0x81808360: 18_hssrx_dfe_h1h2h3_lcl_off_va[16]     0000 0000   0000
0000   0000
0x81808388: 22_hssrx_dfe_ofs_val[00][00]           7f7d 0000   130b
7f7f   0509 7f7f
0x81808388: 22_hssrx_dfe_ofs_val[03][00]           7e7b 0000   0108
007f   7e02 0000
0x81808388: 22_hssrx_dfe_ofs_val[06][00]           0502 0000   057d
0000   0105 0000
0x81808388: 22_hssrx_dfe_ofs_val[09][00]           7d01 0000   777c
```

```
0100   7a7d 0000
0x81808388: 22_hssrx_dfe_ofs_val[12][00]           0779 7f00   000b
7f7f   7d05 007f
0x81808388: 22_hssrx_dfe_ofs_val[15][00]           097f 0000   7d7f
0000   7f7d 0000
0x81808388: 22_hssrx_dfe_ofs_val[18][00]           037d 7f00   7b7d
0000   0079 0000
0x81808388: 22_hssrx_dfe_ofs_val[21][00]           0079 0000   0079
0000   0079 0000
0x81808388: 22_hssrx_dfe_ofs_val[24][00]           7f0a 007f   057b
7f01   0500 0000
0x81808394: 25_hssrx_max_gain_path_idx_res[00]     005f 0851   1011
1896   20d0 289a   3086 3800
0x81808394: 25_hssrx_max_gain_path_idx_res[08]     40d0 4890   507b
5800   6040 6800   70fd 7800
0x818083c4: 31_hssrx_dfe_tap[00]                   fffe 8080   0000
0000   0030 0030   3030 3030
0x818083c4: 31_hssrx_dfe_tap[08]                   3030 3030   3030
0000
0x818083e8: 3A_hssrx_ac_cpl_cur_src_adj[00]        0042 0042   0042
0042
0x818083ec: 3B_hssrx_dcd_ctl[00]                   7c48 5c00   7c81
5c00   7c00
0x818083f0: 3C_hssrx_dcc_ctl[00]                   0d41 0d43   0d41
0d41
0x818083f4: 3D_hssrx_qcc_ctl[00]                   694b 6944

xfipcs, fec, aec, & aet registers
=================================
0x81c48400: xfipcs_reg              [00] 00002040 00000080 00000000
00000000    00000001 00000008 00000000 00000000
0x81c48420: xfipcs_reg              [08] 00008c01 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c48440: xfipcs_reg              [16] 00000000 00000000 00000000
00000000    00000040 00000000 00000000 00000000
0x81c48460: xfipcs_reg              [24] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c48480: xfipcs_reg              [32] 00000004 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c48620: fec_32g_128g_reg        [08] 00000000 00000000 00000000
00000000    00000000 00000000 00000000
0x81c48648: fec_32g_128g_reg        [18] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c48a00: aec_reg                 [00] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c48c00: aet_reg                 [00] 00000000 00000000 00000000
00000000    00000000

bbc registers
=============
0x81c49800: bbc_trc                 0    0    0    0    0    0    0
0
0x81c49840: bbc_trc                 0    0    0    0    0    0    0
0
```

```
0x81c49880: bbc_trc                 0    0    0    0    0    0    0
0
0x81c498c0: bbc_trc                 0    0    0    0    0    0    0
0
0x81c49900: bbc_trc                 0    0    0    0    0    0    0
0
0x81c49804: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c49844: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c49884: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c498c4: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c49904: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c49a00: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c49a20: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c49a40: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c49a60: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c49a80: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c49c00: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c49c20: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c49c40: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c49c60: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c49c80: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c49d00: bbc_fbpc                00000000    0x81c49d04: bbc_csc
00000000
0x81c49d08: bbc_rcc_inc             00000000    0x81c49d0c:
bbc_rqc_inc             00000000
0x81c49d10: bbc_fbpc_inc            00000000    0x81c49d14:
bbc_tmc_inc             00000000
0x81c49d18: bbc_threshold           00080100    0x81c49d1c:
bbc_counter_clr         00000000
0x81c49d20: bbc_debug_en            00000000    0x81c49d24: bbc_ctrl
00200020
0x81c49d28: bbc_rqc_rcc_thresh      00000055    0x81c49d34:
bbc_bb_sc_n             00000000
0x81c49d38: bbc_crd_reco_debug      00000000    0x81c49d3c:
bbc_crd_reco_debug_data 00000000
0x81c49d40: bbc_multi_frm_loss_cnt  00000000    0x81c49d44:
bbc_multi_rdy_loss_cnt  00000000
0x81c49d48: bbc_1frm_loss_recov_cnt 00000000    0x81c49d4c:
bbc_1rdy_loss_recov_cnt 00000000
```

```
0x81c49d58: bbc_int_status          00000000    0x81c49d5c:
bbc_int_set             00000000
0x81c49d60: bbc_int_first           00000000    0x81c49d64:
bbc_frm_rdy_rx_err_addr 00000000
0x81c49d68: bbc_frm_rdy_tx_err_addr 00000000    0x81c49d6c:
bbc_trc_mbc_err_addr    00000000
0x81c49d70: bbc_frm_rdy_rx_dbl_ecc  00000000    0x81c49d74:
bbc_frm_rdy_tx_dbl_ecc  00000000
0x81c49d78: bbc_trc_mbc_dbl_ecc     00000000
0x81c49d7c: bbc_fsm_status          00001011    0x81c49d80:
bbc_force_err           00000000
0x81c49d84: bbc_crdt_avail0         ffffffff    0x81c49d88:
bbc_crdt_avail1         000000ff
0x81c49d8c: bbc_scratch             00000000

FPS registers
=============
0x81c48004: fps_er_enc_in           00000000    0x81c48008:
fps_er_crc              00000000
0x81c4800c: fps_er_trunc            00000000    0x81c48010:
fps_er_toolong          00000000
0x81c48014: fps_er_bad_eof          00000000    0x81c48018:
fps_er_enc_out          00000000
0x81c4801c: fps_er_bad_os           00000000    0x81c48020:
fps_er_flush            00000000
0x81c48024: fps_er_ifg              00000000    0x81c48038:
fps_er_crc_good_eof     00000000
0x81c4803c: fps_inv_arb             00000000    0x81c48040:
fps_slow_sts_status     00000000
0x81c48044: fps_tx_frm_cnt          00000000    0x81c48048:
fps_rx_frm_cnt          00000000
0x81c48050: fps_tx_word_cnt_hi      00000000    0x81c4804c:
fps_tx_word_cnt_lo      00000000
0x81c48058: fps_rx_word_cnt_hi      00000000    0x81c48054:
fps_rx_word_cnt_lo      00000000

BAL registers
=============
0x81c4f000: bal_desired_buf         00000000    0x81c4f004:
bal_alloc_buf           00000000
0x81c4f008: bal_busy_buf            00000000    0x81c4f00c:
bal_usable_buf          00000000
0x81c4f010: bal_max_bor_buf         00000000
0x81c4f014: bal_busy_buf_thresh     00000002

TXQ registers
=============
0x81c4b004: txq_phys_port_ctl       00410000
0x81c4b050: txq_link_skew           00000000
0x81c4b068: txq_cr_lk_dttn_intr_sts [00] 00000000 00000000
0x81c4b070: txq_cr_lk_dttn_intr_en  [00] 00000000 00000000
0x81c4b024: txq_disc_frm_trap_cnt   00000014

FDS registers
```

```
=============
0x81c4c000: fds_rxf_ctl             00000002    0x81c4c004:
fds_rxf_wait_thresh     00000909
0x81c4c018: fds_rxf_first_error     00000000    0x81c4c01c:
fds_rxf_first_error_info00000000
0x81c4c020: fds_rxf_inout_pkt_cnt   00000000
0x81c4c008: fds_rxf_err_int_status  00000000    0x81c4c024:
fds_rxf_fifo_status     00888888
0x81c4d000: fds_txf_ctl             0000003a    0x81c4d004:
fds_txf_wait_ifg_thresh 00a00106
0x81c4d008: fds_txf_err_int_status  00000000    0x81c4d024:
fds_txf_fifo_status     00088888
0x81c4d02c: fds_txf_bbc_scs         00000000

Logical TXQ registers
=====================
0x81c4b000: txq_log_port_ctl        00000002    0x81c4b008:
txq_port_status         00000000
0x81c4b00c: txq_todo_flags          [00] 00000000 00000000
0x81c4b014: txq_spd_match_desc      [00] 00000000 00000000 00000000
00000000
0x81c4b024: txq_spd_match_desc      [04] 00000014
0x81c4b028: txq_vc_weight           [00] 01010101 01010101 01010101
01010101
0x81c4b038: txq_vc_weight           [04] 01010101 01010101 01010101
01010101
0x81c4b048: txq_vc_weight           [08] 01010101 00010101
0x81c4b054: txq_cong_dttn_ctrl      00000000
0x81c4b058: txq_cong_dttn_intr_sts  [00] 00000000 00000000
0x81c4b060: txq_cong_dttn_intr_en   [00] 00000000 00000000
0x81c4b078: txq_bw_limit_en_reg     [00] 00000000 00000000
0x81c4b080: txq_bw_gua_en_reg       [00] 00000000 00000000
0x81c4b088: txq_vc_group            [00] 03030300 03030303 03030303
03030303
0x81c4b098: txq_vc_group            [04] 03030303 03030303 03030303
03030303
0x81c4b0a8: txq_vc_group            [08] 03030303 03030303 00000000
00000000
0x81c4b0b0: txq_bw_thresh_group     [00] 00000000 00000000 00000000
00000000
0x81c4b0c0: txq_bw_thresh_group     [04] 00000000 00000000 00000000
00000000
0x81c4b0d0: txq_bw_thresh_group     [08] 00000000 00000000 00000000
00000000
0x81c4b0e0: txq_bw_thresh_group     [12] 00000000 00000000 00000000
00000000
0x81c4b0f0: txq_bw_thresh_group     [16] 00000000 00000000 00000000
00000000
0x81c4b100: txq_bw_thresh_group     [20] 00000000 00000000 00000000
00000000
0x81c4b110: txq_bw_thresh_group     [24] 00000000 00000000 00000000
00000000
0x81c4b120: txq_bw_thresh_group     [28] 00000000 00000000 00000000
00000000
```

```
0x81c4b130: txq_bw_thresh_group     [32] 00000000 00000000 00000000
00000000
0x81c4b140: txq_bw_thresh_group     [36] 00000000 00000000 00000000
00000000

txq Congestion detection Statistics RAM
=======================================
0x810905a0: vc[0]       00000000        0x810905a4: vc[1]
00000000
0x810905a8: vc[2]       00000000        0x810905ac: vc[3]
00000000
0x810905b0: vc[4]       00000000        0x810905b4: vc[5]
00000000
0x810905b8: vc[6]       00000000        0x810905bc: vc[7]
00000000
0x810905c0: vc[8]       00000000        0x810905c4: vc[9]
00000000
0x810905c8: vc[10]      00000000        0x810905cc: vc[11]
00000000
0x810905d0: vc[12]      00000000        0x810905d4: vc[13]
00000000
0x810905d8: vc[14]      00000000        0x810905dc: vc[15]
00000000
0x810905e0: vc[16]      00000000        0x810905e4: vc[17]
00000000
0x810905e8: vc[18]      00000000        0x810905ec: vc[19]
00000000
0x810905f0: vc[20]      00000000        0x810905f4: vc[21]
00000000
0x810905f8: vc[22]      00000000        0x810905fc: vc[23]
00000000
0x81090600: vc[24]      00000000        0x81090604: vc[25]
00000000
0x81090608: vc[26]      00000000        0x8109060c: vc[27]
00000000
0x81090610: vc[28]      00000000        0x81090614: vc[29]
00000000
0x81090618: vc[30]      00000000        0x8109061c: vc[31]
00000000
0x81090620: vc[32]      00000000        0x81090624: vc[33]
00000000
0x81090628: vc[34]      00000000        0x8109062c: vc[35]
00000000
0x81090630: vc[36]      00000000        0x81090634: vc[37]
00000000
0x81090638: vc[38]      00000000        0x8109063c: vc[39]
00000000


Logical STS registers
=====================
0x81584744: sts_ftb_type1_miss      00000000
0x81584748: sts_ftb_type2_miss      00000000
0x8158474c: sts_ftb_type6_miss      00000000
```

```
0x81584750: sts_hard_zoning_miss    00000000
0x81584754: sts_lun_zoning_miss     00000000
0x8158475c: sts_unroutable          00000000
0x81581774: sts_rte_cl2             00000000    0x81581778:
sts_rte_cl3             00000000        0x8158177c: sts_rte_link_ctl
00000000        0x81584768: sts_tx_timeout          00000000

Logical STS filter registers
====================
0x815846c0: sts_flt_trig            [00] 00000000 00000000 00000000
00000000
0x815846d0: sts_flt_trig            [04] 00000000 00000000 00000000
00000000
0x815846e0: sts_flt_trig            [08] 00000000 00000000 00000000
00000000
0x815846f0: sts_flt_trig            [12] 00000000 00000000 00000000
00000000
0x81584700: sts_flt_trig            [16] 00000000 00000000 00000000
00000000
0x81584710: sts_flt_trig            [20] 00000000 00000000 00000000
00000000
0x81584720: sts_flt_trig            [24] 00000000 00000000 00000000
00000000
0x81584730: sts_flt_trig            [28] 00000000 00000000 00000000
00000000
0x81584740: sts_flt_trig            [32]

Logical STS discard registers
====================
0x81581d14: disc_mcast_wka          00000000    0x81581d18:
disc_inv_did            00000000
0x81581d1c: disc_cl1_cl4            00000000    0x81581d20:
disc_sid_chk_fail       00000000
0x81581d24: disc_inv_dom_egid_txpt  00000000    0x81581d28:
disc_vft_hop_cnt_1      00000000
0x81581d2c: disc_classf             00000000    0x81581d30:
disc_fcp_cdb_inv        00000000
0x81581d34: disc_vfid_trap_enabled  00000000    0x81581d38:
disc_vfid_hdr_chk_fail  00000000
0x81581d3c: disc_shim_cksum_fail    00000000    0x81581d40:
disc_fed_edit_cmd_err   00000000
0x81581d44: disc_ftb_vm_mode        00000000    0x81581d48:
disc_ftb_agn_t2_miss    00000000
0x81581d4c: disc_ecb_reserved       00000000    0x81581d50:
disc_ecb_de_pad_err     00000000
0x81581d54: disc_ecb_de_tag_err     00000000    0x81581d58:
disc_ecb_de_seq_err     00000000
0x81581d5c: disc_ecb_err            00000000    0x81581d60:
disc_ftb_type4_match    00000000
0x81581d64: disc_fcp_rsp_ftb_type4  00000000    0x81581d68:
disc_ftb_type5_match    00000000
0x81581d6c: disc_ftb_type3_match    00000000    0x81581d70:
disc_els_ftb_type3      00000000
0x81581d74: disc_ftb_type1_match    00000000    0x81581d78:
```

```
disc_els_rsp_ex_port    00000000
0x81581d7c: disc_inv_drp_dps        00000000    0x81581d80:
disc_did_lookup_miss    00000000
0x81581d84: disc_ftb_type2_match    00000000    0x81581d88:
disc_trpd_plogi_pdisc   00000000
0x81581d8c: disc_type2_lookup_miss  00000000    0x81581d90:
disc_ftb_type6_match    00000000
0x81581d94: disc_els_rep_ex_port    00000000    0x81581d98:
disc_els_sid_lkup_bit1  00000000
0x81581d9c: disc_els_sid_lkup_bit0  00000000    0x81581da0:
disc_bls_frm_trap_bit1  00000000
0x81581da4: disc_ftb_token_err      00000000    0x81581da8:
disc_asic_internal_err  00000000
0x81581dac: disc_hard_zone_miss     00000000    0x81581db0:
disc_lun_zone_miss      00000000
0x81581db4: disc_flt_frame_disc     00000000    0x81581db8:
disc_flt_parity_err     00000000
0x81581dbc: disc_frame_marked_du    00000000    0x81581dc0:
disc_frame_marked_to    00000000
0x81581dc4: disc_lkup_rte_prty_err  00000000


portstatsshow 50
stat_wtx                0                   4-byte words transmitted
stat_wrx                0                   4-byte words received
stat_ftx                0                   Frames transmitted
stat_frx                0                   Frames received
stat_c2_frx             0                   Class 2 frames received
stat_c3_frx             0                   Class 3 frames received
stat_lc_rx              0                   Link control frames
received
stat_mc_rx              0                   Multicast frames
received
stat_mc_to              0                   Multicast timeouts
stat_mc_tx              0                   Multicast frames
transmitted
tim_txcrd_z             0                   Time TX Credit Zero
(2.5Us ticks)
tim_txcrd_z_vc  0- 3:  0           0           0           0
tim_txcrd_z_vc  4- 7:  0           0           0           0
tim_txcrd_z_vc  8-11:  0           0           0           0
tim_txcrd_z_vc 12-15:  0           0           0           0
lat_tot_pkt_vc  0- 3:  1           1           1           1
lat_tot_pkt_vc  4- 7:  1           1           1           1
lat_tot_pkt_vc  8-11:  1           1           1           1
lat_tot_pkt_vc 12-15:  1           1           1           1
lat_hi_time_vc  0- 3:  0           0           0           0
lat_hi_time_vc  4- 7:  0           0           0           0
lat_hi_time_vc  8-11:  0           0           0           0
lat_hi_time_vc 12-15:  0           0           0           0
lat_lo_time_vc  0- 3:  1           1           1           1
lat_lo_time_vc  4- 7:  1           1           1           1
lat_lo_time_vc  8-11:  1           1           1           1
lat_lo_time_vc 12-15:  1           1           1           1
```

```
max_latency_vc  0- 3:  1           1           1           1
max_latency_vc  4- 7:  1           1           1           1
max_latency_vc  8-11:  1           1           1           1
max_latency_vc 12-15:  1           1           1           1
latency_dma_ts          09-09-2024 UTC Mon 08:47:25            TXQ
Latency DMA TimeStamp
fec_cor_detected        0                   Count of blocks that
were corrected by FEC
fec_uncor_detected      0                   Count of blocks that
were left uncorrected by FEC
er_enc_in               0                   Encoding errors inside
of frames
er_crc                  0                   Frames with CRC errors
er_trunc                0                   Frames shorter than
minimum
er_toolong              0                   Frames longer than
maximum
er_bad_eof              0                   Frames with bad end-of-
frame
er_enc_out              0                   Encoding error outside
of frames
er_bad_os               0                   Invalid ordered set
er_pcs_blk              0                   PCS block errors
er_rx_c3_timeout        0                   Class 3 receive frames
discarded due to timeout
er_tx_c3_timeout        0                   Class 3 transmit frames
discarded due to timeout
er_unroutable           0                   Frames that are
unroutable
er_unreachable          0                   Frame with unreachable
destination
er_other_discard        0                   Other discards
er_type1_miss           0                   frames with FTB type 1
miss
er_type2_miss           0                   frames with FTB type 2
miss
er_type6_miss           0                   frames with FTB type 6
miss
er_zone_miss            0                   frames with hard zoning
miss
er_lun_zone_miss        0                   frames with LUN zoning
miss
er_crc_good_eof         0                   Crc error with good eof
er_inv_arb              0                   Invalid ARB
er_single_credit_loss   0                   Single vcrdy/frame loss
on link
er_multi_credit_loss    0                   Multiple vcrdy/frame
loss on link
other_credit_loss       0                   Link timeout/complete
credit loss
phy_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
phy_port stats clear
lgc_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
lgc_port stats clear
```

```
fec_corrected_rate      0                   FEC Corrected blocks per
second

portstats64show 50
stat64_wtx      0           top_int : 4-byte words transmitted
                0           bottom_int : 4-byte words transmitted
stat64_wrx      0           top_int : 4-byte words received
                0           bottom_int : 4-byte words received
stat64_ftx      0           top_int : Frames transmitted
                0           bottom_int : Frames transmitted
stat64_frx      0           top_int : Frames received
                0           bottom_int : Frames received
stat64_c2_frx   0           top_int : Class 2 frames received
                0           bottom_int : Class 2 frames received
stat64_c3_frx   0           top_int : Class 3 frames received
                0           bottom_int : Class 3 frames received
stat64_lc_rx    0           top_int : Link control frames received
                0           bottom_int : Link control frames
received
stat64_mc_rx    0           top_int : Multicast frames received
                0           bottom_int : Multicast frames received
stat64_mc_to    0           top_int : Multicast timeouts
                0           bottom_int : Multicast timeouts
stat64_mc_tx    0           top_int : Multicast frames transmitted
                0           bottom_int : Multicast frames
transmitted
tim64_rdy_pri   0           top_int : Time R_RDY high priority
                0           bottom_int : Time R_RDY high priority
tim64_txcrd_z   0           top_int : Time BB_credit zero
                0           bottom_int : Time BB_credit zero
er64_enc_in     0           top_int : Encoding errors inside of
frames
                0           bottom_int : Encoding errors inside of
frames
er64_crc        0           top_int : Frames with CRC errors
                0           bottom_int : Frames with CRC errors
er64_trunc      0           top_int : Frames shorter than minimum
                0           bottom_int : Frames shorter than minimum
er64_toolong    0           top_int : Frames longer than maximum
                0           bottom_int : Frames longer than maximum
er64_bad_eof    0           top_int : Frames with bad end-of-frame
                0           bottom_int : Frames with bad end-of-
frame
er64_enc_out    0           top_int : Encoding error outside of
frames
                0           bottom_int : Encoding error outside of
frames
er64_disc_c3    0           top_int : Class 3 frames discarded
                0           bottom_int : Class 3 frames discarded
er64_pcs_blk    0           top_int : PCS block errors
                0           bottom_int : PCS block errors
stat64_rateTxFrame      0           Tx frame rate (fr/sec)
stat64_rateRxFrame      0           Rx frame rate (fr/sec)
stat64_rateTxPeakFrame  0           Tx peak frame rate (fr/sec)
```

```
stat64_rateRxPeakFrame  0           Rx peak frame rate (fr/sec)
stat64_rateTxWord       0           Tx Word rate (words/sec)
stat64_rateRxWord       0           Rx Word rate (words/sec)
stat64_rateTxPeakWord   0           Tx peak Word rate (words/sec)
stat64_rateRxPeakWord   0           Rx peak Word rate (words/sec)
stat64_PRJTFrames       0           top_int : Number of PRJT frames
returned to this port
                        0           bottom_int : Number of PRJT
frames returned to this port
stat64_PBSYFrames       0           top_int : Number of PBSY frames
returned to this port
                        0           bottom_int : Number of PBSY
frames returned to this port
stat64_inputBuffersFull 0           top_int : Number of occurrences
when all input buffers full
                        0           bottom_int : Number of
occurrences when all input buffers full
stat64_rxClass1Frames   0           top_int : Number of class 1
frames received
                        0           bottom_int : Number of class 1
frames received
stat64_aveTxFrameSize   0           Average Tx Frame size
stat64_aveRxFrameSize   0           Average Rx Frame size
Lr_in           0           top_int
                0           bottom_int
Ols_in          0           top_int
                0           bottom_int
Lr_out          0           top_int
                0           bottom_int
Ols_out         0           top_int
                0           bottom_int
Link_failure    0           top_int
                0           bottom_int
Invalid_CRC     0           top_int
                0           bottom_int
Invalid_word    0           top_int
                0           bottom_int
Protocol_err    0           top_int
                0           bottom_int
Loss_of_sig     0           top_int
                0           bottom_int
Loss_of_sync    0           top_int
                0           bottom_int
er_bad_os       0           top_int : Invalid ordered set
                0           bottom_int: Invalid ordered set


portrouteshow 50
port address ID: 0x013200
external unicast routing table:
   0: Embedded
 255: Embedded
internal unicast routing table:
   0: Embedded
```

```
portcamshow 50
-------------------------------------------------
Port  SID used  DID used  SID entries  DID entries
50     0         0         000000       000000
-------------------------------------------------

ptbufshow, ptcreditshow, ptdatashow, ptstatsshow 50
S:
S:VF Enable:            1
S:
S:C4 Global Variable:
S:-------------------------------------------------------------------
---------
S:trace_stop:           0
S:
S:C4 Phy Data Pointers: c4_phyp = 0xb6ac4100
S:-------------------------------------------------------------------
---------
S:tnodep                        0xbb835540      pt
        0x43028009
S:proto_phyp            0xb88077e0      phy_cfg
0xb6ac5140
S:c4_chp                        0x97e28000      c4_lgcp
0x97f6c000
S:c4_phy_regp           0x81c48000      proc_dir
0xb8515be0
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4345678      num_port_timer          12
S:prev_if_id            0x43020009      S:ftx                   0
        tov                     0
S:initialized           0               port_idx                9
S:ui_idx                        50              slot_no
        0
S:blade_idx             9               sw_usr_ports            400
S:unused                        0               intr_debounced
        0
S:aec_status            0x0             reason_code
        0
S:debug                 0x00000004      debug_trc_line          0
S:rxbuf_list_head       0xffffffff      rxbuf_list_tail
0xffffffff
S:isAePort                      0               port_misc_data
                0
S:num_fault1_rx_disc    0               num_fault2_rx_disc      0
S:p_lli_cause0          0               p_sig_regained          0
S:p_sync_regained               0               enc_out
        0x0
S:cached_fps_status     0               cached_sts_status       0
S:cached_er_crc_good_eof        0
S:cached_er_bad_os      0               cached_er_too_long      0
S:cached_er_trunc       0
cached_tot_er_crc_good_eof      0
```

```
S:num_pt_excess_intr    0               num_no_fid              0
S:num_fault1_cnt                0               num_fault2_cnt
        0
S:num_fault_lip         0               num_fault_lli           0
S:num_fault_rx_fifo     0               num_fault_hss           0
S:num_fault_bwait               0               lli_intr_prim
        0
S:num_sw_link_to                0
be_link_err_mon_count           0
S:ecb_enc_enabled               0               ecb_comp_enabled
                0
S:ecb_rsv_enc           0               ecb_rsv_comp            0
S:ecb_enc_bm            0x0             ecb_key_index
0xffffffff
S:fab_idx               4
S:num_be_lto            0               lto_count_reset_intvl
        0
S:lr_count_reset_intvl          0               num_be_lr
        0
S:num_fault_qsfp                0               check_lto
        0
S:credit_loaded         0               num_credit_overrun
        0
S:fec_enabled           0x0             fec_los_to_flag         0x0
S:phy_stats_clear_ts            1725611419      pcs_err_online
        0
S:pcs_err_light_det             0               pcs_err_ignore
        0
S:pcs_blk_err           0               pcs_hiber               0
S:phy_port_status               0               ecb_enc_lr_count
                0
S:dport_mode            0               avoid_lto_det           0
S:sn_debounced          0x0             sn_started_kr_reqd      0
S:major_timer_started   0x0             ready_bm                0x0
S:parln_1_bm            0x0             parln_0_bm              0x0
S:be_los_of_sync_event_intvl            0
be_los_of_sync_event            0
S:errataPtenable_cntr           0               errataPoll_cntr
        0
S:jda_rx_sig_loss_det           0               jda_rx_sig_loss_cnt
                0
S:encrypt_blk_error             0
S:
S:      c4_trunk
S:======================================
S:mark_ts               0x0             deskew                  0x0
S:master_phyp           0x0
S:
S:adelay[00]: 0x00000000 0x00000000 0x00000000 0x00000000
S:adelay[04]: 0x00000000 0x00000000 0x00000000 0x00000000
S:
S:      c4_buf
S:======================================
S:tx_csc                        0               rx_csc
```

```
        0
S:ld_vc_credits         0               tx_flag                 0x0
S:alloc_buffers         0               req_buffers             0
S:est_buffers           20              ld_use_est              0
S:bb_sc_n                       0               rx_bb_sc_n
        0
S:data_cr                       5               nondata_cr
        6
S:cr_enable             0
S:ld_nondata_cr         6               tnodep
0xbb835620
S:tx_credits[0] 0    0    0    0    0    0    0    0
S:tx_credits[8] 0    0    0    0    0    0    0    0
S:tx_credits[16]        0    0    0    0    0    0    0    0
S:tx_credits[24]        0    0    0    0    0    0    0    0
S:tx_credits[32]        0    0    0    0    0    0    0    0
S:rx_credits[0] 0    0    0    0    0    0    0    0
S:rx_credits[8] 0    0    0    0    0    0    0    0
S:rx_credits[16]        0    0    0    0    0    0    0    0
S:rx_credits[24]        0    0    0    0    0    0    0    0
S:rx_credits[32]        0    0    0    0    0    0    0    0
S:tx_mbc[0]     0    0    0    0    0    0    0    0
S:tx_mbc[8]     0    0    0    0    0    0    0    0
S:tx_mbc[16]    0    0    0    0    0    0    0    0
S:tx_mbc[24]    0    0    0    0    0    0    0    0
S:tx_mbc[32]    0    0    0    0    0    0    0    0
S:rx_mbc[0]     0    0    0    0    0    0    0    0
S:rx_mbc[8]     0    0    0    0    0    0    0    0
S:rx_mbc[16]    0    0    0    0    0    0    0    0
S:rx_mbc[24]    0    0    0    0    0    0    0    0
S:rx_mbc[32]    0    0    0    0    0    0    0    0
S:
S:C4 Chip Variables: c4_phyp->c4_chp = 0x97e28000
S:-------------------------------------------------------------------
---------
S:version = 2.1
S:magic_id              0xc4234567      init_state              0x8
S:reset_reg_mem         0x1
S:ch_int0_en_bm         0x0             intr0_cause             0x0
S:ch_int1_en_bm         0x0             intr1_cause             0x0
S:ch_int2_en_bm         0x0             intr2_cause             0x0
S:ch                    0x43010080      ch_cfg
0xb7013ba0
S:raslog_hndl.hndl      0x0             obj_halted              0x0
S:c4_chip_regp          0x80000000      c4_fpg_regp
0x81800000
S:num_chip_timer        0x5
S:hi_task_bm            0x0             lo_task_bm              0x0
S:c4_deferq.q_head      0x0             c4_deferq.q_tail        0x0
S:c4_tmrq.q_head        0x0             c4_tmrq.q_tail          0x0
slot_no                 0
S:chip_inst             0               chip_idx                0
S:pll_initialized               1
pll_serdes_initialized  1
```

```
S:init_tries            0               init_ptEnableBM
0xba01b488
S:tick_polling          0xb980c9c0      sec_polling
0xb980c960
S:bb_fid                        129
S:ecb_key_bm[0]         0x0             ecb_key_bm[1]           0x0
S:ecb_key_bm[2]         0x0             ecb_key_bm[3]           0x0
S:is_chip_enc_enabled                   0
is_chip_comp_enabled    0x0
S:ftb_rsrcp->ftb_flags  0x0             act_rsrcp->act_flag     0x1
S:lue_rsrcp->lue_flags[0]       0x0             lue_rsrcp-
>lue_flags[1]   0x0
S:c4_phyp[00]: 0xb6ab0000 0xb6ab2080 0xb6ab4100 0xb6ab6180
S:c4_phyp[04]: 0xb6ab9040 0xb6abb0c0 0xb6abd140 0xb6ac0000
S:c4_phyp[08]: 0xb6ac2080 0xb6ac4100 0xb6ac6180 0xb6ac9040
S:c4_phyp[12]: 0xb6acb0c0 0xb6acd140 0xb6ad0000 0xb6ad2080
S:c4_phyp[16]: 0xb6ad4100 0xb6ad6180 0xb6ad9040 0xb6adb0c0
S:c4_phyp[20]: 0xb6add140 0xb6ae0000 0xb6ae2080 0xb6ae4100
S:c4_phyp[24]: 0xb6ae6180 0xb6ae9040 0xb6aeb0c0 0xb6aed140
S:c4_phyp[28]: 0xb6af0000 0xb6af2080 0xb6af4100 0xb6af6180
S:c4_phyp[32]: 0xb6af9040 0xb6afb0c0 0xb6afd140 0xb6b00000
S:c4_phyp[36]: 0xb6b02080 0xb6b04100 0xb6b06180 0xb6b09040
S:c4_phyp[40]: 0xb6b0b0c0 0xb6b0d140 0xb6b10000 0xb6b12080
S:c4_phyp[44]: 0xb6b14100 0xb6b16180 0xb6b19040 0xb6b1b0c0
S:c4_phyp[48]: 0xb6b1d140 0xb6b20000 0xb6b22080 0xb6b24100
S:c4_phyp[52]: 0xb6b26180 0xb6b29040 0xb6b2b0c0 0xb6b2d140
S:c4_phyp[56]: 0xb6b30000 0xb6b32080 0xb6b34100 0xb6b36180
S:c4_phyp[60]: 0xb6b39040 0xb6b3b0c0 0xb6b3d140 0xb6b40000
S:c4_lgcp[00]: 0x97f48000 0x97f4c000 0x97f50000 0x97f54000
S:c4_lgcp[04]: 0x97f58000 0x97f5c000 0x97f60000 0x97f64000
S:c4_lgcp[08]: 0x97f68000 0x97f6c000 0x97f70000 0x97f74000
S:c4_lgcp[12]: 0x97f78000 0x97f7c000 0x97f80000 0x97f84000
S:c4_lgcp[16]: 0x97f88000 0x97f8c000 0x97f90000 0x97f94000
S:c4_lgcp[20]: 0x97f98000 0x97f9c000 0x97fa0000 0x97fa4000
S:c4_lgcp[24]: 0x97fa8000 0x97fac000 0x97fb0000 0x97fb4000
S:c4_lgcp[28]: 0x97fb8000 0x97fbc000 0x97fc0000 0x97fc4000
S:c4_lgcp[32]: 0x97fc8000 0x97fcc000 0x97fd0000 0x97fd4000
S:c4_lgcp[36]: 0x97fd8000 0x97fdc000 0x97fe0000 0x97fe4000
S:c4_lgcp[40]: 0x97fe8000 0x97fec000 0x97ff0000 0x97ff4000
S:c4_lgcp[44]: 0x97ff8000 0x97ffc000 0x8e000000 0x8e004000
S:c4_lgcp[48]: 0x8e008000 0x8e00c000 0x8e010000 0x8e014000
S:c4_lgcp[52]: 0x8e018000 0x8e01c000 0x8e020000 0x8e024000
S:c4_lgcp[56]: 0x8e028000 0x8e02c000 0x8e030000 0x8e034000
S:c4_lgcp[60]: 0x8e038000 0x8e03c000 0x8e040000 0x8e044000
S:chip_timers[00]: 0xb980c720 0xb980c780 0xb980c7e0 0xb980c840
S:chip_timers[04]: 0xb980c8a0 0xb980c900
S:disc_trap_enable_required     0x0             rxlp_disc_log_stop
        0x0
S:curr_rxlp_frm_cnt     0x0             curr_rxlp_disc_frm_cnt  0x0
S:sw_disc_frm_cnt       0x0             last_disc_frm_cnt       0x0
S:txq_nopop_pr_cnt      0x0             pollErrataDfe_ptBM
0xba01b4b0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][0]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][1]  0x0
```

```
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][2]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][0] 0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][1]       0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][2] 0x0
S:
S:C4 Logical Port Variables
S:-------------------------------------------------------------------
---------
S:c4_lgc_regp           0x81c48000
S:c4_phyp:
S:      0xb6ac4100      0x0             0x0             0x0

S:      0x0             0x0             0x0             0x0

S:master_phyp           0xb6ac4100      if_id
0x43020009
S:min_phyp              0x0             max_phyp                0x0
S:num_phy_ports         1               lgc_num                 9
S:num_iu_to             0               sw_txq_bm
        0
S:port_fid              129             unused                  0
S:port_group            1               lgc_stats_clear_ts
               1725611419
S:domain_tbl_sel                0               area_tbl_sel
        0
S:egid_tbl_sel          0
S:serv_lo_bm            0x0
S:
S:Proto Phy Variables:
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4123456      asic_phyp
0xb6ac4100
S:port_id                       0x43028009      phy_cfg
        0xb6ac5140
S:upsm_hdl              0xb80121e0      physm_hdl
0xb8011f00
S:ov_snsm_hdl           0xb8011dc0      sw_snsm_hdl
0xb8011e60
S:ov_lksm_hdl           0xb8012000      sw_lksm_hdl
0xb80120a0
S:trksm_hdl             0xb8012140      lr_flag         0x0
S:lr_active             0x0             qsfp_txrx_rate_sel
        0x0
S:
S:UPSM      UP00: UPST_PORT_DISABLED    --> UP00: UPST_PORT_DISABLED
S:SNSM(OV)  SN00: OV_SNST_STOPPED       --> SN00: OV_SNST_STOPPED
S:SNSM(SW)  SW00: SW_SNST_STAGE_WS      --> SW00: SW_SNST_STAGE_WS
S:PHYSM     PP00: PHYST_STOPPED         --> PP00: PHYST_STOPPED
S:LKSM(OV)  LK00: OV_LKST_INACTIVE      --> LK00: OV_LKST_INACTIVE
S:LKSM(SW)  SW13: INACTIVE              --> SW13: INACTIVE
S:TRKSM     TRK0: TRKST_INIT            --> TRK0: TRKST_INIT
S:
S:physm variables:
```

```
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb88077e0      physm_hdl
0xb8011f00
S:force_offline         0               copper                  0
S:fault_reason          0: UNKNOWN
S:phy_media_present             0
S:
S:snsm variables:
S:-------------------------------------------------------------------
---------
S:speed                 0xff            proto_phyp
0xb88077e0
S:hw_sn_tries_left      0x0             sw_sn_tries_left        0x0
S:curr_txsp_count               0x0
S:tx_max                        0x0             curr_tx_indx
        0x0
S:curr_tx                       0x0             curr_rxsp_count
        0x0
S:rx_max                        0x0             curr_rx_indx
        0x0
S:curr_rx                       0x0             rx_mem
        0x0
S:rxsp_rec_count                0x0
S:nc_start              0x0             tx_start                0x0
S:sync_start            0x0             sync_present            0x0
S:diag_auto             0x0             diag_speed              0xff
S:striped_wd_tov                3000            hw_wd_tov
        3000
S:step                  0x0             qsfp28_speed_mode
        0x0
S:qsfp_mode0_hw_sn_tries_left           0x0
S:qsfp_mode1_hw_sn_tries_left           0x0
S:
S:lksm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb88077e0      ov_lksm_hdl
0xb8012000
sw_lksm_hdl             0xb80120a0
num_lf1                 0
S:hw_link_tries_left    0               sw_link_tries_left      0
S:buf_ptype             0x0             stored_entry_state      0x6
S:handshake_owner               0x0             mark_unsent
        0x0
S:busybuf_stuck         0x0             lr_wait                 0x0
S:
S:trksm variables:
S:-------------------------------------------------------------------
---------
S:Not a trunk port
S:
S:upsm variables:
S:-------------------------------------------------------------------
```

```
---------
S:proto_phyp            0xb88077e0      upsm_hdl
0xb80121e0
S:bb_credits            0               port_beacon             0
S:port_diag_flag                0               force_offline
        0
S:port_fault_rsn                0: PORT_NO_FAULT
S:retry_init_rsn                0: UNKNOWN
S:linit_reason          0               linit_result            0
S:ie_fctl_mode          0               fec_in_sync_tries_left  0
S:retry_sn_fail_init    0
retry_link_fail_init    0
S:excess_lr_count       0
S:
S:c4_ch_cfg
S:-----------------------------------------------------------------
---------
S:c4_desc_ring_size     256      292      256      256      292
292      2        292      292
S:thresh_def            0        16       1        0
S:intr_tries            500             cmem_pattern
0xdeadbeef
S:cmem_pattern_upwd     2               cmem_init_time          16
S:cmem_init_tries               5
S:ctrl_par_thresh               2               data_par_thresh
        4
S:cam_par_thresh                4               buf_loss_thresh
        12
S:crit_par_thresh               2               non_crit_par_thresh
        6
S:pci_abort_thresh      10              pci_err_thresh          5
S:excess_chintr_thresh  8               sw_err_thresh           20
S:err_sample_period     300             intr_sleep
20000
S:frame_timeout 2500            proxy_dev               16384
S:vf_route      81920           qos             2048
S:stats 2048            f_redirect              2048
S:rsp_trap      2048            lun_zoning              20480
S:area_mode     0               ftb_max_loop[0]         0
S:ftb_max_loop[1]       6               ftb_max_loop[2]         9
S:ftb_max_loop[3]       10              ftb_max_loop[4]         10
S:ftb_max_loop[5]       5               ftb_max_loop[6]         6
S:ftb_seg_size[0]       0               ftb_seg_size[1]
16384
S:ftb_seg_size[2]       65536           ftb_seg_size[3]
16384
S:ftb_seg_size[4]       16384           ftb_seg_size[5]
65536
S:ftb_seg_size[6]       16384           ftb_seg_base[0]         0
S:ftb_seg_base[1]       0               ftb_seg_base[2]
65536
S:ftb_seg_base[3]       16384           ftb_seg_base[4]
32768
S:ftb_seg_base[5]       131072          ftb_seg_base[6]
```

```
49152
asic_err_monitor_period1                300
asic_err_monitor_period2                86400
zone_chk_to_poll_period 25
zone_chk_class2_reject_tov              220
S:
S:c4_phy_cfg
S:-------------------------------------------------------------------
---------
S:version = 2.1
S:pt                    0x43028009      fab_ptr
0x9a800000
S:fabattr                       0x9a8000d4      fab_iop
        0x9a800050
S:cfgbm                 0xbb835384      port_ctrl
0xb6ac5158
S:pcap.pcap_bm          0x8d215547      pcap.pcap2_bm
0x2588289
S:pcap.pcap3_bm         0x1bebe0c
ui_idx                  50              S:slot_no
        0
is_icl                  0               S:sw_usr_ports          400
S:neg_speed             0 0 0 0 0 0
S:my_domain             0x1             port_mode               0x0
S:hw_sn_maxtries                100             sw_sn_maxtries
        0
S:hw_link_maxtries      10              sw_link_maxtries        5
S:rx_cyc_tov            28              rttov                   300
S:bufrdy_tov            300             busybuf_tov             286
S:mark_tov              300             lksm_tov                3000
S:buf_dealloc_wait      4               hw_wd_tov               3000
S:hw_lk_train_tov               540             hw_lk_test_tov
        150
S:syswait_tx_12_lips    1               lip_rx_tov              55
S:al_time_tov           15              lp_tov                  2000
S:intr_tries_port               500             intr_mod_debounce
        250
S:intr_lsr_flt_debounce 500             intr_efifo_debounce     100
S:port_no_fid           3               excess_ptintr_thresh    8
S:port_fault1_thresh    100             port_fault1_spur_thresh 250
S:port_fault1_disc_thresh       500
port_fault1_disc_spur_thresh    1000
S:port_fault2_thresh    5               losync_tov              100
S:port_sw_link_to               15              en_8g_scramble
        1
frc_hw_sn_mode          0x1
S:enc_poll_thresh               0               fec_enable
        0
S:fec_in_sync_to                50              fec_in_sync_try_max
        4
S:port_be_lto_threshold         100             port_be_lr_threshold
               2
S:be_cr_in_sync_to              5
port_credit_overrun_thresh              10
```

```
S:jda_sfp_losig_tov             400
jda_sfp_losig_try_max           30
S:striped_wd_tov                3000
no_sync_debounce                1200
S:
S:      fab_iop
S:=====================================
S:fab_iop->interop_mode 0x0             fab_iop->lab_mode       0x0
S:fab_iop->fl_bbc               0x0             fab_iop->fl_fan
        0x0
S:fab_iop->fl_cls               0x4             fab_iop->fl_rscn
        0x0
S:fab_iop->domain_id_offset     0x60            fab_iop-
>mcdt_fabric_mode       0x0
S:fab_iop->mcdt_default_zone            0x0             fab_iop-
>mcdt_safe_zone         0x0
S:
S:      port_ctrl
S:=====================================
S:port_ctrl.port_type   1               port_ctrl.port_grp      1
S:port_ctrl.port_number 50              port_ctrl.vc_mode       1
S:
S:      port_ctrl.lcap
S:=====================================
S:has_serdes            0               has_media               1
S:topology              1               skip_nego               0
S:skip_pnego            0               skip_init_event         0
S:en_shim                       0               speed_neg
        1
S:loop_back             0               num_speeds              5
S:fec_enable            0
S:
S:      port_ctrl.speed_list array
S:=====================================
S:speed_list[0].auto_neg  1     speed_list[0].lnk_speed  0x0000000a
S:speed_list[1].auto_neg  1     speed_list[1].lnk_speed  0x00000008
S:speed_list[2].auto_neg  1     speed_list[2].lnk_speed  0x00000006
S:speed_list[3].auto_neg  1     speed_list[3].lnk_speed  0x00000005
S:speed_list[4].auto_neg  1     speed_list[4].lnk_speed  0x00000003
S:speed_list[5].auto_neg  0     speed_list[5].lnk_speed  0x00000000
S:
S:      port_ctrl.cm
S:=====================================
S:port_ctrl.cm.num_vcs          8
S:port_ctrl.cm.min_bufs         8
S:port_ctrl.cm.cr_shar_bufs     0
S:port_ctrl.vc_alloc
S:port_ctrl.vc_alloc            2 0 1 1 1 1 1 1
S:port_ctrl.vc_alloc            0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.norm_vc_alloc
S:port_ctrl.norm_vc_alloc       4 0 5 5 5 5 1 1
S:port_ctrl.norm_vc_alloc       0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
```

```
S:port_ctrl.cm.skip_bb_credit           0
S:port_ctrl.cm.use_shim_based_sublist          0
S:
S:      port_ctrl.serdes_set
S:=====================================
S:serdes_type           0x8
S:serdes_data_t.ibm_hss_serdes.tx_drive_power          0x1
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b_sign     0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b          0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_a          0x0
S:serdes_data_t.ibm_hss_serdes.rxeq                    0x0
S:
S:      cfgbm
S:=====================================
S:old_distance          0x0             gport_lockdown          0x0
S:tport                 0x1             speed                   0x0
S:disable_eport         0x0             fcacc                   0x0
S:lport_lockdown                0x0             priv_lport_lockdown
        0x0
S:vcxlt_linit           0x0             delay_flogi             0x0
S:isl_interop           0x0             distance                0x0
S:BufStarvFlag          0x0             credit_sharing          0x0
S:lport_halfduplex      0x0             lport_fairness          0x0
S:soft_neg              0x0             asn_frc_hwretry         0x0
S:cr_recov              0x0             fport_buffers           0x0
S:export                        0x0             export_mode
        0x0
S:csctl_en              0x0             mirror_port             0x0
S:fault_delay           0x0             non_dfe                 0x0
S:fec_configured*(0=ENAB)       0               fec_tts
        0
S:port_persistently_disabled (permanently) 0 (0)
S:
S:      cfg property
S:=====================================
S:priv_pcfg_bm          0x00000000      lgcl_pcfg_bm
0xbb8353c4
S:fport_buffer          0x00000000
S:
S:
S:C4 Discard Cntrs: rxlp_stats = 0xb6ac44b0
S:-------------------------------------------------------------------
---------
S:disc_mcast_wka        0x0             disc_inv_did            0x0
S:disc_cl1_cl4          0x0             disc_sid_chk_fail       0x0
S:disc_inv_dom_egid_txpt        0x0             disc_vft_hop_cnt_1
        0x0
S:disc_classf           0x0             disc_fcp_cdb_inv        0x0
S:disc_vfid_trap_enabled        0x0
disc_vfid_hdr_chk_fail  0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_ftb_vm_mode      0x0             disc_ftb_agn_t2_miss    0x0
S:disc_ecb_de_pad_err   0x0             disc_ecb_de_tag_err     0x0
```

```
S:disc_ecb_de_seq_err   0x0             disc_ecb_err            0x0
S:disc_ftb_type4_match  0x0             disc_fcp_rsp_ftb_type4  0x0
S:disc_fcp_rsp_ftb_type4        0x0             disc_ftb_type5_match
       0x0
S:disc_ftb_type3_match  0x0             disc_els_ftb_type3      0x0
S:disc_ftb_type1_match  0x0             disc_els_rsp_ex_port    0x0
S:disc_inv_drp_dps      0x0             disc_did_lookup_miss    0x0
S:disc_ftb_type2_match  0x0             disc_trpd_plogi_pdisc   0x0
S:disc_type2_lookup_miss        0x0             disc_ftb_type6_match
       0x0
S:disc_els_rep_ex_port  0x0             disc_els_sid_lkup_bit1  0x0
S:disc_els_sid_lkup_bit0        0x0
disc_bls_frm_trap_bit1  0x0
S:disc_ftb_token_err    0x0             disc_asic_internal_err  0x0
S:disc_hard_zone_miss   0x0             disc_lun_zone_miss      0x0
S:disc_flt_frame_disc   0x0             disc_flt_parity_err     0x0
S:disc_frame_marked_du  0x0             disc_frame_marked_to    0x0
E:Connection type: FE
E:Port type: E_port
E:Trunk port: No
E:Configured Speed: AUTO_SPEED_NEGO
E:Max Capable Speed: 32G
E:Current SNSM Speed: UNDEFINED
E:Hardware TX Speed: 32G (0x00000004)
E:Hardware RX Speed: 32G (0x00000040)
E:
E:Interrupts:   0           Link_failure:       0
Loss_of_sync:   0           Loss_of_sig:        0
E:Lli:          0           Invalid_word:       0
E:trapped_frm:  0           fwd_status_ok:      0
E:fwd_timeout:  0           fwd_tx_unavail:     0
E:fwd_unroutable:       0           fwd_zone_out:       0
E:fwd_other_err:        0           frm_err_discard:    0
E:Fltr listA:   0           Fltr listB:         0
E:Zone trap fwd:        0           Zone trap disc:     0
E:shim_csum:    0           RTE_perr:           0
E:Invalid_crc:  0           Delim_err:          0
E:Protocol_err: 0
E:Lr_in:        0           Lr_out:             0
E:Ols_in:       0           Ols_out:            0


filterportshow 50

                FILTER DATA
                -----------
Shadow settings:
   Filter Enable: 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
```

```
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass: 0x00000000
Real settings:
   Enable RAM: 0x00000000, 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
```

```
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass RAM: 0x00000000

Shadowed filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        c4_fldenable[0] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[0] = 0x00000000,c4_fltr_config[0] = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        c4_fldenable[1] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[1] = 0x00000000,c4_fltr_config[1] = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        c4_fldenable[2] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[2] = 0x00000000,c4_fltr_config[2] = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        c4_fldenable[3] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[3] = 0x00000000,c4_fltr_config[3] = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        c4_fldenable[4] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[4] = 0x00000000,c4_fltr_config[4] = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        c4_fldenable[5] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[5] = 0x00000000,c4_fltr_config[5] = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        c4_fldenable[6] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[6] = 0x00000000,c4_fltr_config[6] = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        c4_fldenable[7] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[7] = 0x00000000,c4_fltr_config[7] = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        c4_fldenable[8] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[8] = 0x00000000,c4_fltr_config[8] = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        c4_fldenable[9] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[9] = 0x00000000,c4_fltr_config[9] = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        c4_fldenable[10] = 0x00000000 0x00000000 0x00000000
0x00000000
```

```
        c4_fldnegate[10] = 0x00000000,c4_fltr_config[10] =
0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        c4_fldenable[11] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[11] = 0x00000000,c4_fltr_config[11] =
0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        c4_fldenable[12] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[12] = 0x00000000,c4_fltr_config[12] =
0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        c4_fldenable[13] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[13] = 0x00000000,c4_fltr_config[13] =
0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        c4_fldenable[14] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[14] = 0x00000000,c4_fltr_config[14] =
0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        c4_fldenable[15] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[15] = 0x00000000,c4_fltr_config[15] =
0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        c4_fldenable[16] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[16] = 0x00000000,c4_fltr_config[16] =
0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        c4_fldenable[17] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[17] = 0x00000000,c4_fltr_config[17] =
0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        c4_fldenable[18] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[18] = 0x00000000,c4_fltr_config[18] =
0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        c4_fldenable[19] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[19] = 0x00000000,c4_fltr_config[19] =
0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        c4_fldenable[20] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[20] = 0x00000000,c4_fltr_config[20] =
0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        c4_fldenable[21] = 0x00000000 0x00000000 0x00000000
```

```
0x00000000
        c4_fldnegate[21] = 0x00000000,c4_fltr_config[21] =
0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        c4_fldenable[22] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[22] = 0x00000000,c4_fltr_config[22] =
0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        c4_fldenable[23] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[23] = 0x00000000,c4_fltr_config[23] =
0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        c4_fldenable[24] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[24] = 0x00000000,c4_fltr_config[24] =
0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        c4_fldenable[25] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[25] = 0x00000000,c4_fltr_config[25] =
0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        c4_fldenable[26] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[26] = 0x00000000,c4_fltr_config[26] =
0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        c4_fldenable[27] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[27] = 0x00000000,c4_fltr_config[27] =
0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        c4_fldenable[28] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[28] = 0x00000000,c4_fltr_config[28] =
0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        c4_fldenable[29] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[29] = 0x00000000,c4_fltr_config[29] =
0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        c4_fldenable[30] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[30] = 0x00000000,c4_fltr_config[30] =
0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        c4_fldenable[31] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[31] = 0x00000000,c4_fltr_config[31] =
0x00000000
```

```
Real filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
```

```
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
```

```
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000

Filter dirty indicator: 0x00000000
Performance filters: 0
Port Mirror filters: 0 (0x0)


               FIELD DATA
               ----------

Shadowed fields:

fldoffset[0] = 0x00,fldmask[0] = 0x00,fldvalue_dyna[0]:0x00 0x00
0x00 0x00
fldcontrol[0].inuse = 0x0  fldcontrol[0].refcnt = 0x00 0x00 0x00
0x00
fldoffset[1] = 0x00,fldmask[1] = 0x00,fldvalue_dyna[1]:0x00 0x00
0x00 0x00
fldcontrol[1].inuse = 0x0  fldcontrol[1].refcnt = 0x00 0x00 0x00
0x00
fldoffset[2] = 0x00,fldmask[2] = 0x00,fldvalue_dyna[2]:0x00 0x00
0x00 0x00
fldcontrol[2].inuse = 0x0  fldcontrol[2].refcnt = 0x00 0x00 0x00
0x00
fldoffset[3] = 0x00,fldmask[3] = 0x00,fldvalue_dyna[3]:0x00 0x00
0x00 0x00
fldcontrol[3].inuse = 0x0  fldcontrol[3].refcnt = 0x00 0x00 0x00
0x00
fldoffset[4] = 0x00,fldmask[4] = 0x00,fldvalue_dyna[4]:0x00 0x00
0x00 0x00
fldcontrol[4].inuse = 0x0  fldcontrol[4].refcnt = 0x00 0x00 0x00
0x00
```

```
fldoffset[5] = 0x00,fldmask[5] = 0x00,fldvalue_dyna[5]:0x00 0x00
0x00 0x00
fldcontrol[5].inuse = 0x0  fldcontrol[5].refcnt = 0x00 0x00 0x00
0x00
fldoffset[6] = 0x00,fldmask[6] = 0x00,fldvalue_dyna[6]:0x00 0x00
0x00 0x00
fldcontrol[6].inuse = 0x0  fldcontrol[6].refcnt = 0x00 0x00 0x00
0x00
fldoffset[7] = 0x00,fldmask[7] = 0x00,fldvalue_dyna[7]:0x00 0x00
0x00 0x00
fldcontrol[7].inuse = 0x0  fldcontrol[7].refcnt = 0x00 0x00 0x00
0x00
fldoffset[8] = 0x00,fldmask[8] = 0x00,fldvalue_dyna[8]:0x00 0x00
0x00 0x00
fldcontrol[8].inuse = 0x0  fldcontrol[8].refcnt = 0x00 0x00 0x00
0x00
fldoffset[9] = 0x00,fldmask[9] = 0x00,fldvalue_dyna[9]:0x00 0x00
0x00 0x00
fldcontrol[9].inuse = 0x0  fldcontrol[9].refcnt = 0x00 0x00 0x00
0x00
fldoffset[10] = 0x00,fldmask[10] = 0x00,fldvalue_dyna[10]:0x00 0x00
0x00 0x00
fldcontrol[10].inuse = 0x0  fldcontrol[10].refcnt = 0x00 0x00 0x00
0x00
fldoffset[11] = 0x00,fldmask[11] = 0x00,fldvalue_dyna[11]:0x00 0x00
0x00 0x00
fldcontrol[11].inuse = 0x0  fldcontrol[11].refcnt = 0x00 0x00 0x00
0x00
fldoffset[12] = 0x00,fldmask[12] = 0x00,fldvalue_dyna[12]:0x00 0x00
0x00 0x00
fldcontrol[12].inuse = 0x0  fldcontrol[12].refcnt = 0x00 0x00 0x00
0x00
fldoffset[13] = 0x00,fldmask[13] = 0x00,fldvalue_dyna[13]:0x00 0x00
0x00 0x00
fldcontrol[13].inuse = 0x0  fldcontrol[13].refcnt = 0x00 0x00 0x00
0x00
fldoffset[14] = 0x00,fldmask[14] = 0x00,fldvalue_dyna[14]:0x00 0x00
0x00 0x00
fldcontrol[14].inuse = 0x0  fldcontrol[14].refcnt = 0x00 0x00 0x00
0x00
fldoffset[15] = 0x00,fldmask[15] = 0x00,fldvalue_dyna[15]:0x00 0x00
0x00 0x00
fldcontrol[15].inuse = 0x0  fldcontrol[15].refcnt = 0x00 0x00 0x00
0x00
fldoffset[16] = 0x00,fldmask[16] = 0x00,fldvalue_dyna[16]:0x00 0x00
0x00 0x00
fldcontrol[16].inuse = 0x0  fldcontrol[16].refcnt = 0x00 0x00 0x00
0x00
fldoffset[17] = 0x00,fldmask[17] = 0x00,fldvalue_dyna[17]:0x00 0x00
0x00 0x00
fldcontrol[17].inuse = 0x0  fldcontrol[17].refcnt = 0x00 0x00 0x00
0x00
fldoffset[18] = 0x00,fldmask[18] = 0x00,fldvalue_dyna[18]:0x00 0x00
0x00 0x00
```

```
fldcontrol[18].inuse = 0x0  fldcontrol[18].refcnt = 0x00 0x00 0x00
0x00
fldoffset[19] = 0x00,fldmask[19] = 0x00,fldvalue_dyna[19]:0x00 0x00
0x00 0x00
fldcontrol[19].inuse = 0x0  fldcontrol[19].refcnt = 0x00 0x00 0x00
0x00

Real fields:

fldoffset RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fldmask RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fld value4 RAM:
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
Field dirty indicator: 0x00000000

FDB reference count fdb: 0 [0 0 0 0 ]
FDB reference count fdb: 1 [0 0 0 0 ]
FDB reference count fdb: 2 [0 0 0 0 ]
FDB reference count fdb: 3 [0 0 0 0 ]
FDB reference count fdb: 4 [0 0 0 0 ]
FDB reference count fdb: 5 [0 0 0 0 ]
FDB reference count fdb: 6 [0 0 0 0 ]
FDB reference count fdb: 7 [0 0 0 0 ]
FDB reference count fdb: 8 [0 0 0 0 ]
FDB reference count fdb: 9 [0 0 0 0 ]
FDB reference count fdb: 10 [0 0 0 0 ]
FDB reference count fdb: 11 [0 0 0 0 ]
FDB reference count fdb: 12 [0 0 0 0 ]
FDB reference count fdb: 13 [0 0 0 0 ]
FDB reference count fdb: 14 [0 0 0 0 ]
FDB reference count fdb: 15 [0 0 0 0 ]
FDB reference count fdb: 16 [0 0 0 0 ]
FDB reference count fdb: 17 [0 0 0 0 ]
```

```
FDB reference count fdb: 18 [0 0 0 0 ]
FDB reference count fdb: 19 [0 0 0 0 ]

Filter counters:
   Filter counter 0: 0  (MIRROR1)
   Filter counter 1: 0  (MIRROR2)
   Filter counter 2: 0  (MIRROR3)
   Filter counter 3: 0  (MIRROR4)
   Filter counter 4: 0  (AEPORT_NON_MIRR_DROP)
   Filter counter 5: 0  (ZONING TRAP)
   Filter counter 6: 0  (FCR_EXPORT_DC)
   Filter counter 7: 0  (TIN TRAP)
   Filter counter 8: 0  (FICON CUP)
   Filter counter 9: 0  (FICON CUP DST)
   Filter counter 10: 0 (WELL KNOWN ADDR)
   Filter counter 11: 0 (SIM)
   Filter counter 12: 0 (UNUSED)
   Filter counter 13: 0 (UNUSED)
   Filter counter 14: 0 (UNUSED)
   Filter counter 15: 0 (UNUSED)
   Filter counter 16: 0 (PERF1)
   Filter counter 17: 0 (PERF2)
   Filter counter 18: 0 (PERF3)
   Filter counter 19: 0 (PERF4)
   Filter counter 20: 0 (PERF5)
   Filter counter 21: 0 (PERF6)
   Filter counter 22: 0 (PERF7)
   Filter counter 23: 0 (PERF8)
   Filter counter 24: 0 (PERF9)
   Filter counter 25: 0 (PERF10)
   Filter counter 26: 0 (PERF11)
   Filter counter 27: 0 (PERF12)
   Filter counter 28: 0 (OPM1)
   Filter counter 29: 0 (OPM2)
   Filter counter 30: 0 (IPM1)
   Filter counter 31: 0 (IPM2)

               ACL DATA
               --------
Logical port 9: Hard Zoning disabled, Soft Zoning disabled
Zone type: WWN Zoning
Frames with hard zone miss: 0

*** Please use filterportshow on user port 56 to display ACL hash
tables and Mirroring resources of thischip.
 ***We show this data only for the first physical port which is an
exernal port.

portFcPortCmdShow --slot 0 51 3
doing portFcPortCmdShow: arg1 = 3, arg2 = -2

portshow 51
portDisableReason: None
portCFlags: 0x0
```

```
portFlags: 0x4021        PRESENT U_PORT DISABLED LED
LocalSwcFlags: 0x0
portType:  26.0
POD Port: Need license to enable the port
portState: 2    Offline
Protocol: FC
portPhys:  2    No_Module       portScn:   2    Offline
port generation number:    0
state transition count:    0

portId:    013300
portIfId:    4302000a
portWwn:   20:33:d8:1f:cc:2c:99:90
portWwn of device(s) connected:
16b Area list:
Distance:  normal
portSpeed: N32Gbps

FEC: Inactive
Credit Recovery: Inactive
LE domain: 0
Peer beacon: Off
FC Fastwrite: OFF
Interrupts:        0          Link_failure: 0          Frjt:
0
Unknown:           0          Loss_of_sync: 0          Fbsy:
0
Lli:               0          Loss_of_sig:  0
Proc_rqrd:         0          Protocol_err: 0
Timed_out:         0          Invalid_word: 0
Tx_unavail:        0          Invalid_crc:  0
Delim_err:         0          Address_err:  0
Lr_in:             0          Ols_in:       0
Lr_out:            0          Ols_out:      0


portloginshow 51
Type  PID     World Wide Name        credit df_sz cos
=====================================================


portloginshow 51 -history
 Type  PID      World Wide Name           logout time
============================================================


portregshow 51

LED registers
=============
0x81c52000: c4_led_status           00000000    0x81c52004:
c4_led_ctl              00000000

FPL registers
```

```
=============
0x81c50200: fpl_port_config         23490000
0x81c5020c: fpl_port_id_ctl         00000000    0x81c50210:
fpl_port_id_addr        00013300
0x81c50214: fpl_port_speed          00000004    0x81c5021c:
fpl_lli_ctl             00000903
0x81c50228: fpl_lli_os_ctl          bc95b5b5    0x81c5022c:
fpl_lli_send_word       bc95b5b5
0x81c50230: fpl_lli_mark_rx         00000000    0x81c50234:
fpl_lli_rnd_trip_time   00000000
0x81c50238: fpl_lli_ns_status       80070007    0x81c5023c:
fpl_lli_intr_status     80070007
0x81c50244: fpl_lli_def             00000000    0x81c50254:
fpl_lli_intr_enable_clr 00100000
0x81c50258: fpl_err_intr_status     00000000    0x81c50260:
fpl_err_intr_enable_clr 00000000
0x81c50268: fpl_err_first_error     00000000    0x81c5026c:
fpl_speed_neg_ctl       00000000
0x81c50270: fpl_speed_neg_stat      00000000    0x81c50274:
fpl_softasn_ctl         0000000f
0x81c50278: fpl_link_init_ctl       00000000    0x81c5027c:
fpl_link_init_stat      00000000
0x81c50280: fpl_aec_ctl             00051060    0x81c50284:
fpl_aec_ctl2            04009f60
0x81c50288: fpl_pcs_ctl             00000160    0x81c5028c:
fpl_fec_ctl             00000441
0x81c50290: fpl_fec_cor             00000000    0x81c50294:
fpl_fec_uncor           00000000
0x81c50298: fpl_hss_link_ctl        0031f040    0x81c5029c:
fpl_afifo_link_ctl      00000a86
0x81c502a0: fpl_echo_lb_ctl         0000028c    0x81c502a4:
fpl_scratch             00000121
0x81c502a8: fpl_debug               00030005    0x81c502ac:
fpl_misc_debug          00001800
0x00000000: SW_shadow_reg           00000000    0x00000000:
SW_c4_phyp->cfgptr      00030000

per-fpg (per octet) registers
============================
0x8180b82c: fpg_serdes_ctla0        81a37be7    0x8180b830:
fpg_serdes_ctla1        81a37be7
0x8180b834: fpg_serdes_ctlb0        81a1c3c3    0x8180b838:
fpg_serdes_ctlb1        81a1c3c3
0x8180b83c: fpg_serdes_xgmii_1ms    00067c28    0x8180b840:
fpg_serdes_regtimctl    40e47946
0x8180b844: fpg_serdes_asnrsttimctl 00000102

HSS PLL registers
============================
0x81809400: 00_hssplla_vco_coarse_cal0      00000000    0x81809404:
01_hssplla_vco_coarse_cal1      00000014
0x81809408: 02_hssplla_vco_coarse_cal2      00000000    0x8180940c:
03_hssplla_vco_coarse_cal3      00000000
0x81809410: 04_hssplla_vco_coarse_cal4      00000000    0x81809424:
```

```
09_hssplla_power_ctl            00000000
0x81809428: 0A_hssplla_charge_pump_ctl      00000004    0x81809438:
0E_hssplla_pll_misc_ctl         00000000
0x8180943c: 0F_hssplla_pclk_ctl             000000f8    0x81809440:
10_hssplla_eyem_intv_ctl        00000000
0x81809444: 11_hssplla_eyem_intv_lim1       00000000    0x81809448:
12_hssplla_eyem_intv_lim2       00000000
0x8180944c: 13_hssplla_eyem_intv_lim3       00000000    0x81809450:
14_hssplla_eyem_intv_lim4       00000000
0x818094f0: 3C_hssplla_macro_tst_ctl4       00000000    0x818094f4:
3D_hssplla_macro_tst_ctl3       00000000
0x818094f8: 3E_hssplla_macro_tst_ctl2       00000000    0x818094fc:
3F_hssplla_macro_tst_ctl1       00000000
0x81809500: 00_hssplb_vco_coarse_cal0       0000000a    0x81809504:
01_hssplb_vco_coarse_cal1       00000014
0x81809508: 02_hssplb_vco_coarse_cal2       00000000    0x8180950c:
03_hssplb_vco_coarse_cal3       00000000
0x81809510: 04_hssplb_vco_coarse_cal4       00000000    0x81809524:
09_hssplb_power_ctl             00000000
0x81809528: 0A_hssplb_charge_pump_ctl       00000004    0x81809538:
0E_hssplb_pll_misc_ctl          00000000
0x8180953c: 0F_hssplb_pclk_ctl              000000f8    0x81809540:
10_hssplb_eyem_intv_ctl         00000000
0x81809544: 11_hssplb_eyem_intv_lim1        00000000    0x81809548:
12_hssplb_eyem_intv_lim2        00000000
0x8180954c: 13_hssplb_eyem_intv_lim3        00000000    0x81809550:
14_hssplb_eyem_intv_lim4        00000000
0x818095f0: 3C_hssplb_macro_tst_ctl4        00000000    0x818095f4:
3D_hssplb_macro_tst_ctl3        00000000
0x818095f8: 3E_hssplb_macro_tst_ctl2        00000000    0x818095fc:
3F_hssplb_macro_tst_ctl1        00000000

HSS TX registers
================
0x81808400: 00_hsstx_cfg_mode_PHY           00009f48    0x81808404:
01_hsstx_test_ctl               00000000
0x81808408: 02_hsstx_coeff_ctl_INV          00000000    0x8180840c:
03_hsstx_drv_mode_ctl           00000000
0x81808410: 04_hsstx_drv_ovrd_ctl           00000010    0x81808414:
05_hsstx_dclk_align_ovrd        00000080
0x81808418: 06_hsstx_imp_cal_ovrd           00000c0c    0x8180841c:
07_hsstx_dclk_drift_tol         00000004
0x81808420: 08_hsstx_tap0_coeff_TUNE        00000000    0x81808424:
09_hsstx_tap1_coeff_TUNE        00000003
0x81808428: 0A_hsstx_tap2_coeff_TUNE        00000018    0x8180842c:
0B_hsstx_tap3_coeff_TUNE        0000000d
0x81808434: 0D_hsstx_pol_INV                0000000a    0x81808438:
0E_hsstx_ae_cmd                 00000000
0x8180843c: 0F_hsstx_ae_stat                00000000    0x81808440:
10_hsstx_ae_tap0_TUNE           00000000
0x81808444: 11_hsstx_ae_tap1_TUNE           00000000    0x81808448:
12_hsstx_ae_tap2_TUNE           00000028
0x8180844c: 13_hsstx_ae_tap3_TUNE           00000000    0x81808454:
15_hsstx_app_tune               0000120e
```

```
0x81808458: 16_hsstx_analog_diag           00000000    0x81808460:
18_hsstx_4x_seg_app             0000aafa
0x81808464: 19_hsstx_2x_seg_app            00000000    0x81808468:
1A_hsstx_1x_seg_app             0000ff5d
0x8180846c: 1B_hsstx_seg_4x_term_app       00000000    0x81808470:
1C_hsstx_seg_2x1x_term_app      00000f00
0x81808474: 1D_hsstx_tap_sign_app          0000000a    0x81808478:
1E_hsstx_ext_addr_data          00000001
0x8180847c: 1F_hsstx_ext_addr_addr         00000000    0x81808480:
20_hsstx_pat_buf_bytes_1_0      00000000
0x81808484: 21_hsstx_pat_buf_bytes_3_2     00000000    0x81808488:
22_hsstx_pat_buf_bytes_5_4      00000000
0x8180848c: 23_hsstx_pat_buf_bytes_7_6     00000000    0x8180849c:
27_hsstx_8023az_ctl             00000000
0x818084a0: 28_hsstx_dcc_ctl               000060c0    0x818084a4:
29_hsstx_dcc_ovrd               00001000
0x818084a8: 2A_hsstx_dcc_app               00000081    0x818084ac:
2B_hsstx_dcc_timeout            0000ffff
0x818084c0: 30_hsstx_tap_sign_ovrd         00000000    0x818084c8:
32_hsstx_seg_4x_ovrd            00000000
0x818084cc: 33_hsstx_seg_2x_ovrd           00000000    0x818084d0:
34_hsstx_seg_1x_ovrd            00000000
0x818084d8: 36_hsstx_tap_seg_4x_term_ovrd  00000000    0x818084dc:
37_hsstx_tap_seg_2x_term_ovrd   00000000
0x818084e0: 38_hsstx_tap_seg_1x_term_ovrd  00000000    0x818084ec:
3B_hsstx_mac_test_ctl5          00000000
0x818084f0: 3C_hsstx_mac_test_ctl4         00000000    0x818084f4:
3D_hsstx_mac_test_ctl3          00000000
0x818084f8: 3E_hsstx_mac_test_ctl2         00000000    0x818084fc:
3F_hsstx_mac_test_ctl1          000000c6

HSS RX registers
================
0x81808600: 00_hssrx_cfg_mode_PHY          00009e78    0x81808604:
01_hssrx_test_ctl               00000000
0x81808608: 02_hssrx_phs_rot_ctl           0000cb80    0x8180860c:
03_hssrx_phs_rot_ofs_ctl        00000610
0x81808610: 04_hssrx_phs_rot_posn1         00003f00    0x81808614:
05_hssrx_phs_rot_posn2          00000031
0x81808618: 06_hssrx_phs_rot_sta_ofs1      00000f1e    0x8180861c:
07_hssrx_phs_rot_sta_ofs2       0000001f
0x81808620: 08_hssrx_dfe_ctl_PHY           00002002    0x81808624:
09_hssrx_dfe_smpl_snap1         00000000
0x81808628: 0A_hssrx_dfe_smpl_snap2        00008000    0x8180862c:
0B_hssrx_vga_ctl1               00004005
0x81808630: 0C_hssrx_vga_ctl2              00007aa0    0x81808634:
0D_hssrx_vga_ctl3               000009e4
0x81808638: 0E_hssrx_pwr_mgmnt_ctl         0000001f    0x8180863c:
0F_hssrx_iqamp_ctl1             00000018
0x81808640: 10_hssrx_iqamp_ctl2            00000003    0x81808644:
11_hssrx_dacap_dacan_sel        00000003
0x81808648: 12_hssrx_dacap_dacan           0000fffd    0x8180864c:
13_hssrx_daca_min               00000000
0x81808650: 14_hssrx_adac_ctl              000000ff    0x81808654:
```

```
15_hssrx_ac_cp_ctl              000031c3
0x81808658: 16_hssrx_ac_cp_val              00008055    0x8180865c:
17_hssrx_dfe_h1h2h3_lcl_off_ch  00000014
0x81808660: 18_hssrx_dfe_h1h2h3_lcl_off_val 00000000    0x81808664:
19_hssrx_peaked_intg            000000ff
0x81808668: 1A_hssrx_cdr_analog_sw          0000ce00    0x8180866c:
1B_hssrx_peaking_amp_init_c_PHY 00000000
0x81808670: 1C_hssrx_dac_dpc                00000040    0x81808674:
1D_hssrx_ddc                    00000000
0x81808678: 1E_hssrx_int_stat_PHY           00000c0f    0x8180867c:
1F_hssrx_dfe_func_ctl1_PHY      0000ffff
0x81808680: 20_hssrx_dfe_func_ctl2_INV      00007eff    0x81808684:
21_hssrx_ofs_ch_dcc_qcc_idx     00002000
0x81808688: 22_hssrx_dfe_ofs_val            00007f07    0x8180868c:
23_hssrx_h_coeff_bist           00000401
0x81808690: 24_hssrx_ac_cap_bist            00000000    0x81808694:
25_hssrx_max_gain_path_idx_res  00007800
0x81808698: 26_hssrx_loff_ctl               00000054    0x8180869c:
27_hssrx_sigdet_ctl             00005180
0x818086a0: 28_hssrx_ana_ctl_sw             00000000    0x818086a4:
29_hssrx_intg_dac_ofs           0000aee0
0x818086a8: 2A_hssrx_eye_ctl                00000000    0x818086ac:
2B_hssrx_eye_met                00000004
0x818086b0: 2C_hssrx_eye_met_err_cnt        00000000    0x818086b4:
2D_hssrx_eye_met_pdf_eyec       00000000
0x818086b8: 2E_hssrx_eye_met_pat_len        0000007f    0x818086bc:
2F_hssrx_dfe_func_ctl3          0000dfff
0x818086c0: 30_hssrx_dfe_tap_ctl_idx_ptr    00000008    0x818086c4:
31_hssrx_dfe_tap                00003030
0x818086c8: 32_hssrx_lte_ctl_TUNE           00001601    0x818086e4:
39_hssrx_int_stat2              000041ff
0x818086e8: 3A_hssrx_ac_cpl_cur_src_adj     00000040    0x818086ec:
3B_hssrx_dcd_ctl                00007c4c
0x818086f0: 3C_hssrx_dcc_ctl                00000d41    0x818086f4:
3D_hssrx_qcc_ctl                0000698d
0x818086f8: 3E_hssrx_mac_test_ctl2          00000000    0x818086fc:
3F_hssrx_mac_test_ctl1          00000000
0x81808648: 12_hssrx_dacap_dacan[02]                00fd fffd
0x81808660: 18_hssrx_dfe_h1h2h3_lcl_off_va[00]      0000 0000   0000
0000   0000 0000   0000 0000
0x81808660: 18_hssrx_dfe_h1h2h3_lcl_off_va[08]      0000 0000   0000
0000   0000 0000   0000 0000
0x81808660: 18_hssrx_dfe_h1h2h3_lcl_off_va[16]      0000 0000   0000
0000   0000
0x81808688: 22_hssrx_dfe_ofs_val[00][00]            7f07 007f   7b7b
0000   077f 7f00
0x81808688: 22_hssrx_dfe_ofs_val[03][00]            7d01 7f00   0179
0000   7a00 007f
0x81808688: 22_hssrx_dfe_ofs_val[06][00]            7a79 0000   7d05
007f   797a 0000
0x81808688: 22_hssrx_dfe_ofs_val[09][00]            0908 7f7f   7d00
0000   047d 0000
0x81808688: 22_hssrx_dfe_ofs_val[12][00]            0504 0000   0309
0000   7f7b 0000
```

```
0x81808688: 22_hssrx_dfe_ofs_val[15][00]           7f7c 0000   7e03
0000   057d 7f00
0x81808688: 22_hssrx_dfe_ofs_val[18][00]           7b09 0000   7f7b
0000   000b 007f
0x81808688: 22_hssrx_dfe_ofs_val[21][00]           000b 007f   000b
007f   000b 007f
0x81808688: 22_hssrx_dfe_ofs_val[24][00]           7b07 007f   0403
0000   0202 0000
0x81808694: 25_hssrx_max_gain_path_idx_res[00]     005a 083d   110f
18bc   210f 28ba   3099 3800
0x81808694: 25_hssrx_max_gain_path_idx_res[08]     40ef 48a5   5089
5800   6040 6800   70f9 7800
0x818086c4: 31_hssrx_dfe_tap[00]                   fffe 8080   0000
0000   0030 0030   3030 3030
0x818086c4: 31_hssrx_dfe_tap[08]                   3030 3030   3030
0000
0x818086e8: 3A_hssrx_ac_cpl_cur_src_adj[00]        0040 0040   0040
0040
0x818086ec: 3B_hssrx_dcd_ctl[00]                   7c4c 5c00   7c83
5c00   7c81
0x818086f0: 3C_hssrx_dcc_ctl[00]                   0d41 0d82   0d00
0d41
0x818086f4: 3D_hssrx_qcc_ctl[00]                   695c 698d

xfipcs, fec, aec, & aet registers
=================================
0x81c50400: xfipcs_reg              [00] 00002040 00000080 00000000
00000000    00000001 00000008 00000000 00000000
0x81c50420: xfipcs_reg              [08] 00008c01 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c50440: xfipcs_reg              [16] 00000000 00000000 00000000
00000000    00000040 00000000 00000000 00000000
0x81c50460: xfipcs_reg              [24] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c50480: xfipcs_reg              [32] 00000004 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c50620: fec_32g_128g_reg        [08] 00000000 00000000 00000000
00000000    00000000 00000000 00000000
0x81c50648: fec_32g_128g_reg        [18] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c50a00: aec_reg                 [00] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c50c00: aet_reg                 [00] 00000000 00000000 00000000
00000000    00000000

bbc registers
=============
0x81c51800: bbc_trc                 0    0    0    0    0    0    0
0
0x81c51840: bbc_trc                 0    0    0    0    0    0    0
0
0x81c51880: bbc_trc                 0    0    0    0    0    0    0
0
0x81c518c0: bbc_trc                 0    0    0    0    0    0    0
```

0
0x81c51900: bbc_trc   0   0   0   0   0   0   0
0
0x81c51804: bbc_mbc   0   0   0   0   0   0   0
0
0x81c51844: bbc_mbc   0   0   0   0   0   0   0
0
0x81c51884: bbc_mbc   0   0   0   0   0   0   0
0
0x81c518c4: bbc_mbc   0   0   0   0   0   0   0
0
0x81c51904: bbc_mbc   0   0   0   0   0   0   0
0
0x81c51a00: bbc_rcc   0   0   0   0   0   0   0
0
0x81c51a20: bbc_rcc   0   0   0   0   0   0   0
0
0x81c51a40: bbc_rcc   0   0   0   0   0   0   0
0
0x81c51a60: bbc_rcc   0   0   0   0   0   0   0
0
0x81c51a80: bbc_rcc   0   0   0   0   0   0   0
0
0x81c51c00: bbc_rqc   0   0   0   0   0   0   0
0
0x81c51c20: bbc_rqc   0   0   0   0   0   0   0
0
0x81c51c40: bbc_rqc   0   0   0   0   0   0   0
0
0x81c51c60: bbc_rqc   0   0   0   0   0   0   0
0
0x81c51c80: bbc_rqc   0   0   0   0   0   0   0
0
0x81c51d00: bbc_fbpc   00000000   0x81c51d04: bbc_csc
00000000
0x81c51d08: bbc_rcc_inc   00000000   0x81c51d0c:
bbc_rqc_inc   00000000
0x81c51d10: bbc_fbpc_inc   00000000   0x81c51d14:
bbc_tmc_inc   00000000
0x81c51d18: bbc_threshold   00080100   0x81c51d1c:
bbc_counter_clr   00000000
0x81c51d20: bbc_debug_en   00000000   0x81c51d24: bbc_ctrl
00200020
0x81c51d28: bbc_rqc_rcc_thresh   00000055   0x81c51d34:
bbc_bb_sc_n   00000000
0x81c51d38: bbc_crd_reco_debug   00000000   0x81c51d3c:
bbc_crd_reco_debug_data 00000000
0x81c51d40: bbc_multi_frm_loss_cnt 00000000   0x81c51d44:
bbc_multi_rdy_loss_cnt 00000000
0x81c51d48: bbc_1frm_loss_recov_cnt 00000000   0x81c51d4c:
bbc_1rdy_loss_recov_cnt 00000000
0x81c51d58: bbc_int_status   00000000   0x81c51d5c:
bbc_int_set   00000000
0x81c51d60: bbc_int_first   00000000   0x81c51d64:

```
bbc_frm_rdy_rx_err_addr 00000000
0x81c51d68: bbc_frm_rdy_tx_err_addr 00000000    0x81c51d6c:
bbc_trc_mbc_err_addr    00000000
0x81c51d70: bbc_frm_rdy_rx_dbl_ecc  00000000    0x81c51d74:
bbc_frm_rdy_tx_dbl_ecc  00000000
0x81c51d78: bbc_trc_mbc_dbl_ecc     00000000
0x81c51d7c: bbc_fsm_status          00001011    0x81c51d80:
bbc_force_err           00000000
0x81c51d84: bbc_crdt_avail0         ffffffff    0x81c51d88:
bbc_crdt_avail1         000000ff
0x81c51d8c: bbc_scratch             00000000

FPS registers
=============
0x81c50004: fps_er_enc_in           00000000    0x81c50008:
fps_er_crc              00000000
0x81c5000c: fps_er_trunc            00000000    0x81c50010:
fps_er_toolong          00000000
0x81c50014: fps_er_bad_eof          00000000    0x81c50018:
fps_er_enc_out          00000000
0x81c5001c: fps_er_bad_os           00000000    0x81c50020:
fps_er_flush            00000000
0x81c50024: fps_er_ifg              00000000    0x81c50038:
fps_er_crc_good_eof     00000000
0x81c5003c: fps_inv_arb             00000000    0x81c50040:
fps_slow_sts_status     00000000
0x81c50044: fps_tx_frm_cnt          00000000    0x81c50048:
fps_rx_frm_cnt          00000000
0x81c50050: fps_tx_word_cnt_hi      00000000    0x81c5004c:
fps_tx_word_cnt_lo      00000000
0x81c50058: fps_rx_word_cnt_hi      00000000    0x81c50054:
fps_rx_word_cnt_lo      00000000

BAL registers
=============
0x81c57000: bal_desired_buf         00000000    0x81c57004:
bal_alloc_buf           00000000
0x81c57008: bal_busy_buf            00000000    0x81c5700c:
bal_usable_buf          00000000
0x81c57010: bal_max_bor_buf         00000000
0x81c57014: bal_busy_buf_thresh     00000002

TXQ registers
=============
0x81c53004: txq_phys_port_ctl       00420000
0x81c53050: txq_link_skew           00000000
0x81c53068: txq_cr_lk_dttn_intr_sts [00] 00000000 00000000
0x81c53070: txq_cr_lk_dttn_intr_en  [00] 00000000 00000000
0x81c53024: txq_disc_frm_trap_cnt   00000014

FDS registers
=============
0x81c54000: fds_rxf_ctl             00000002    0x81c54004:
fds_rxf_wait_thresh     00000909
```

```
0x81c54018: fds_rxf_first_error     00000000    0x81c5401c:
fds_rxf_first_error_info00000000
0x81c54020: fds_rxf_inout_pkt_cnt   00000000
0x81c54008: fds_rxf_err_int_status  00000000    0x81c54024:
fds_rxf_fifo_status     00888888
0x81c55000: fds_txf_ctl             0000003a    0x81c55004:
fds_txf_wait_ifg_thresh 00a00106
0x81c55008: fds_txf_err_int_status  00000000    0x81c55024:
fds_txf_fifo_status     00088888
0x81c5502c: fds_txf_bbc_scs         00000000

Logical TXQ registers
=====================
0x81c53000: txq_log_port_ctl        00000002    0x81c53008:
txq_port_status         00000000
0x81c5300c: txq_todo_flags          [00] 00000000 00000000
0x81c53014: txq_spd_match_desc      [00] 00000000 00000000 00000000
00000000
0x81c53024: txq_spd_match_desc      [04] 00000014
0x81c53028: txq_vc_weight           [00] 01010101 01010101 01010101
01010101
0x81c53038: txq_vc_weight           [04] 01010101 01010101 01010101
01010101
0x81c53048: txq_vc_weight           [08] 01010101 00010101
0x81c53054: txq_cong_dttn_ctrl      00000000
0x81c53058: txq_cong_dttn_intr_sts  [00] 00000000 00000000
0x81c53060: txq_cong_dttn_intr_en   [00] 00000000 00000000
0x81c53078: txq_bw_limit_en_reg     [00] 00000000 00000000
0x81c53080: txq_bw_gua_en_reg       [00] 00000000 00000000
0x81c53088: txq_vc_group            [00] 03030300 03030303 03030303
03030303
0x81c53098: txq_vc_group            [04] 03030303 03030303 03030303
03030303
0x81c530a8: txq_vc_group            [08] 03030303 03030303 00000000
00000000
0x81c530b0: txq_bw_thresh_group     [00] 00000000 00000000 00000000
00000000
0x81c530c0: txq_bw_thresh_group     [04] 00000000 00000000 00000000
00000000
0x81c530d0: txq_bw_thresh_group     [08] 00000000 00000000 00000000
00000000
0x81c530e0: txq_bw_thresh_group     [12] 00000000 00000000 00000000
00000000
0x81c530f0: txq_bw_thresh_group     [16] 00000000 00000000 00000000
00000000
0x81c53100: txq_bw_thresh_group     [20] 00000000 00000000 00000000
00000000
0x81c53110: txq_bw_thresh_group     [24] 00000000 00000000 00000000
00000000
0x81c53120: txq_bw_thresh_group     [28] 00000000 00000000 00000000
00000000
0x81c53130: txq_bw_thresh_group     [32] 00000000 00000000 00000000
00000000
0x81c53140: txq_bw_thresh_group     [36] 00000000 00000000 00000000
```

```
00000000

txq Congestion detection Statistics RAM
=======================================
0x81090640: vc[0]       00000000        0x81090644: vc[1]
00000000
0x81090648: vc[2]       00000000        0x8109064c: vc[3]
00000000
0x81090650: vc[4]       00000000        0x81090654: vc[5]
00000000
0x81090658: vc[6]       00000000        0x8109065c: vc[7]
00000000
0x81090660: vc[8]       00000000        0x81090664: vc[9]
00000000
0x81090668: vc[10]      00000000        0x8109066c: vc[11]
00000000
0x81090670: vc[12]      00000000        0x81090674: vc[13]
00000000
0x81090678: vc[14]      00000000        0x8109067c: vc[15]
00000000
0x81090680: vc[16]      00000000        0x81090684: vc[17]
00000000
0x81090688: vc[18]      00000000        0x8109068c: vc[19]
00000000
0x81090690: vc[20]      00000000        0x81090694: vc[21]
00000000
0x81090698: vc[22]      00000000        0x8109069c: vc[23]
00000000
0x810906a0: vc[24]      00000000        0x810906a4: vc[25]
00000000
0x810906a8: vc[26]      00000000        0x810906ac: vc[27]
00000000
0x810906b0: vc[28]      00000000        0x810906b4: vc[29]
00000000
0x810906b8: vc[30]      00000000        0x810906bc: vc[31]
00000000
0x810906c0: vc[32]      00000000        0x810906c4: vc[33]
00000000
0x810906c8: vc[34]      00000000        0x810906cc: vc[35]
00000000
0x810906d0: vc[36]      00000000        0x810906d4: vc[37]
00000000
0x810906d8: vc[38]      00000000        0x810906dc: vc[39]
00000000


Logical STS registers
=====================
0x81584804: sts_ftb_type1_miss      00000000
0x81584808: sts_ftb_type2_miss      00000000
0x8158480c: sts_ftb_type6_miss      00000000
0x81584810: sts_hard_zoning_miss    00000000
0x81584814: sts_lun_zoning_miss     00000000
0x8158481c: sts_unroutable          00000000
```

```
0x81581834: sts_rte_cl2             00000000    0x81581838:
sts_rte_cl3             00000000        0x8158183c: sts_rte_link_ctl
00000000        0x81584828: sts_tx_timeout          00000000

Logical STS filter registers
====================
0x81584780: sts_flt_trig            [00] 00000000 00000000 00000000
00000000
0x81584790: sts_flt_trig            [04] 00000000 00000000 00000000
00000000
0x815847a0: sts_flt_trig            [08] 00000000 00000000 00000000
00000000
0x815847b0: sts_flt_trig            [12] 00000000 00000000 00000000
00000000
0x815847c0: sts_flt_trig            [16] 00000000 00000000 00000000
00000000
0x815847d0: sts_flt_trig            [20] 00000000 00000000 00000000
00000000
0x815847e0: sts_flt_trig            [24] 00000000 00000000 00000000
00000000
0x815847f0: sts_flt_trig            [28] 00000000 00000000 00000000
00000000
0x81584800: sts_flt_trig            [32]

Logical STS discard registers
====================
0x81581e88: disc_mcast_wka          00000000    0x81581e8c:
disc_inv_did            00000000
0x81581e90: disc_cl1_cl4            00000000    0x81581e94:
disc_sid_chk_fail       00000000
0x81581e98: disc_inv_dom_egid_txpt  00000000    0x81581e9c:
disc_vft_hop_cnt_1      00000000
0x81581ea0: disc_classf             00000000    0x81581ea4:
disc_fcp_cdb_inv        00000000
0x81581ea8: disc_vfid_trap_enabled  00000000    0x81581eac:
disc_vfid_hdr_chk_fail  00000000
0x81581eb0: disc_shim_cksum_fail    00000000    0x81581eb4:
disc_fed_edit_cmd_err   00000000
0x81581eb8: disc_ftb_vm_mode        00000000    0x81581ebc:
disc_ftb_agn_t2_miss    00000000
0x81581ec0: disc_ecb_reserved       00000000    0x81581ec4:
disc_ecb_de_pad_err     00000000
0x81581ec8: disc_ecb_de_tag_err     00000000    0x81581ecc:
disc_ecb_de_seq_err     00000000
0x81581ed0: disc_ecb_err            00000000    0x81581ed4:
disc_ftb_type4_match    00000000
0x81581ed8: disc_fcp_rsp_ftb_type4  00000000    0x81581edc:
disc_ftb_type5_match    00000000
0x81581ee0: disc_ftb_type3_match    00000000    0x81581ee4:
disc_els_ftb_type3      00000000
0x81581ee8: disc_ftb_type1_match    00000000    0x81581eec:
disc_els_rsp_ex_port    00000000
0x81581ef0: disc_inv_drp_dps        00000000    0x81581ef4:
disc_did_lookup_miss    00000000
```

```
0x81581ef8: disc_ftb_type2_match    00000000    0x81581efc:
disc_trpd_plogi_pdisc   00000000
0x81581f00: disc_type2_lookup_miss  00000000    0x81581f04:
disc_ftb_type6_match    00000000
0x81581f08: disc_els_rep_ex_port    00000000    0x81581f0c:
disc_els_sid_lkup_bit1  00000000
0x81581f10: disc_els_sid_lkup_bit0  00000000    0x81581f14:
disc_bls_frm_trap_bit1  00000000
0x81581f18: disc_ftb_token_err      00000000    0x81581f1c:
disc_asic_internal_err  00000000
0x81581f20: disc_hard_zone_miss     00000000    0x81581f24:
disc_lun_zone_miss      00000000
0x81581f28: disc_flt_frame_disc     00000000    0x81581f2c:
disc_flt_parity_err     00000000
0x81581f30: disc_frame_marked_du    00000000    0x81581f34:
disc_frame_marked_to    00000000
0x81581f38: disc_lkup_rte_prty_err  00000000


portstatsshow 51
stat_wtx                 0                  4-byte words transmitted
stat_wrx                 0                  4-byte words received
stat_ftx                 0                  Frames transmitted
stat_frx                 0                  Frames received
stat_c2_frx              0                  Class 2 frames received
stat_c3_frx              0                  Class 3 frames received
stat_lc_rx               0                  Link control frames
received
stat_mc_rx               0                  Multicast frames
received
stat_mc_to               0                  Multicast timeouts
stat_mc_tx               0                  Multicast frames
transmitted
tim_txcrd_z              0                  Time TX Credit Zero
(2.5Us ticks)
tim_txcrd_z_vc  0- 3:  0          0          0          0
tim_txcrd_z_vc  4- 7:  0          0          0          0
tim_txcrd_z_vc  8-11:  0          0          0          0
tim_txcrd_z_vc 12-15:  0          0          0          0
lat_tot_pkt_vc  0- 3:  1          1          1          1
lat_tot_pkt_vc  4- 7:  1          1          1          1
lat_tot_pkt_vc  8-11:  1          1          1          1
lat_tot_pkt_vc 12-15:  1          1          1          1
lat_hi_time_vc  0- 3:  0          0          0          0
lat_hi_time_vc  4- 7:  0          0          0          0
lat_hi_time_vc  8-11:  0          0          0          0
lat_hi_time_vc 12-15:  0          0          0          0
lat_lo_time_vc  0- 3:  1          1          1          1
lat_lo_time_vc  4- 7:  1          1          1          1
lat_lo_time_vc  8-11:  1          1          1          1
lat_lo_time_vc 12-15:  1          1          1          1
max_latency_vc  0- 3:  1          1          1          1
max_latency_vc  4- 7:  1          1          1          1
max_latency_vc  8-11:  1          1          1          1
```

```
max_latency_vc 12-15:  1           1           1           1
latency_dma_ts          09-09-2024 UTC Mon 08:47:25            TXQ
Latency DMA TimeStamp
fec_cor_detected        0                   Count of blocks that
were corrected by FEC
fec_uncor_detected      0                   Count of blocks that
were left uncorrected by FEC
er_enc_in               0                   Encoding errors inside
of frames
er_crc                  0                   Frames with CRC errors
er_trunc                0                   Frames shorter than
minimum
er_toolong              0                   Frames longer than
maximum
er_bad_eof              0                   Frames with bad end-of-
frame
er_enc_out              0                   Encoding error outside
of frames
er_bad_os               0                   Invalid ordered set
er_pcs_blk              0                   PCS block errors
er_rx_c3_timeout        0                   Class 3 receive frames
discarded due to timeout
er_tx_c3_timeout        0                   Class 3 transmit frames
discarded due to timeout
er_unroutable           0                   Frames that are
unroutable
er_unreachable          0                   Frame with unreachable
destination
er_other_discard        0                   Other discards
er_type1_miss           0                   frames with FTB type 1
miss
er_type2_miss           0                   frames with FTB type 2
miss
er_type6_miss           0                   frames with FTB type 6
miss
er_zone_miss            0                   frames with hard zoning
miss
er_lun_zone_miss        0                   frames with LUN zoning
miss
er_crc_good_eof         0                   Crc error with good eof
er_inv_arb              0                   Invalid ARB
er_single_credit_loss   0                   Single vcrdy/frame loss
on link
er_multi_credit_loss    0                   Multiple vcrdy/frame
loss on link
other_credit_loss       0                   Link timeout/complete
credit loss
phy_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
phy_port stats clear
lgc_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
lgc_port stats clear
fec_corrected_rate      0                   FEC Corrected blocks per
second
```

```
portstats64show 51
stat64_wtx      0           top_int : 4-byte words transmitted
                0           bottom_int : 4-byte words transmitted
stat64_wrx      0           top_int : 4-byte words received
                0           bottom_int : 4-byte words received
stat64_ftx      0           top_int : Frames transmitted
                0           bottom_int : Frames transmitted
stat64_frx      0           top_int : Frames received
                0           bottom_int : Frames received
stat64_c2_frx   0           top_int : Class 2 frames received
                0           bottom_int : Class 2 frames received
stat64_c3_frx   0           top_int : Class 3 frames received
                0           bottom_int : Class 3 frames received
stat64_lc_rx    0           top_int : Link control frames received
                0           bottom_int : Link control frames
received
stat64_mc_rx    0           top_int : Multicast frames received
                0           bottom_int : Multicast frames received
stat64_mc_to    0           top_int : Multicast timeouts
                0           bottom_int : Multicast timeouts
stat64_mc_tx    0           top_int : Multicast frames transmitted
                0           bottom_int : Multicast frames
transmitted
tim64_rdy_pri   0           top_int : Time R_RDY high priority
                0           bottom_int : Time R_RDY high priority
tim64_txcrd_z   0           top_int : Time BB_credit zero
                0           bottom_int : Time BB_credit zero
er64_enc_in     0           top_int : Encoding errors inside of
frames
                0           bottom_int : Encoding errors inside of
frames
er64_crc        0           top_int : Frames with CRC errors
                0           bottom_int : Frames with CRC errors
er64_trunc      0           top_int : Frames shorter than minimum
                0           bottom_int : Frames shorter than minimum
er64_toolong    0           top_int : Frames longer than maximum
                0           bottom_int : Frames longer than maximum
er64_bad_eof    0           top_int : Frames with bad end-of-frame
                0           bottom_int : Frames with bad end-of-
frame
er64_enc_out    0           top_int : Encoding error outside of
frames
                0           bottom_int : Encoding error outside of
frames
er64_disc_c3    0           top_int : Class 3 frames discarded
                0           bottom_int : Class 3 frames discarded
er64_pcs_blk    0           top_int : PCS block errors
                0           bottom_int : PCS block errors
stat64_rateTxFrame      0           Tx frame rate (fr/sec)
stat64_rateRxFrame      0           Rx frame rate (fr/sec)
stat64_rateTxPeakFrame  0           Tx peak frame rate (fr/sec)
stat64_rateRxPeakFrame  0           Rx peak frame rate (fr/sec)
stat64_rateTxWord       0           Tx Word rate (words/sec)
stat64_rateRxWord       0           Rx Word rate (words/sec)
```

```
stat64_rateTxPeakWord   0           Tx peak Word rate (words/sec)
stat64_rateRxPeakWord   0           Rx peak Word rate (words/sec)
stat64_PRJTFrames       0           top_int : Number of PRJT frames
returned to this port
                        0           bottom_int : Number of PRJT
frames returned to this port
stat64_PBSYFrames       0           top_int : Number of PBSY frames
returned to this port
                        0           bottom_int : Number of PBSY
frames returned to this port
stat64_inputBuffersFull 0           top_int : Number of occurrences
when all input buffers full
                        0           bottom_int : Number of
occurrences when all input buffers full
stat64_rxClass1Frames   0           top_int : Number of class 1
frames received
                        0           bottom_int : Number of class 1
frames received
stat64_aveTxFrameSize   0           Average Tx Frame size
stat64_aveRxFrameSize   0           Average Rx Frame size
Lr_in           0           top_int
                0           bottom_int
Ols_in          0           top_int
                0           bottom_int
Lr_out          0           top_int
                0           bottom_int
Ols_out         0           top_int
                0           bottom_int
Link_failure    0           top_int
                0           bottom_int
Invalid_CRC     0           top_int
                0           bottom_int
Invalid_word    0           top_int
                0           bottom_int
Protocol_err    0           top_int
                0           bottom_int
Loss_of_sig     0           top_int
                0           bottom_int
Loss_of_sync    0           top_int
                0           bottom_int
er_bad_os       0           top_int : Invalid ordered set
                0           bottom_int: Invalid ordered set


portrouteshow 51
port address ID: 0x013300
external unicast routing table:
   0: Embedded
 255: Embedded
internal unicast routing table:
   0: Embedded

portcamshow 51
--------------------------------------------------
```

```
Port  SID used  DID used  SID entries  DID entries
51     0         0         000000       000000
-------------------------------------------------

ptbufshow, ptcreditshow, ptdatashow, ptstatsshow 51
S:
S:VF Enable:            1
S:
S:C4 Global Variable:
S:-------------------------------------------------------------------
---------
S:trace_stop:           0
S:
S:C4 Phy Data Pointers: c4_phyp = 0xb6ac6180
S:-------------------------------------------------------------------
---------
S:tnodep                        0xbb8367e0      pt
        0x4302800a
S:proto_phyp            0xb8807b40      phy_cfg
0xb6ac8000
S:c4_chp                        0x97e28000      c4_lgcp
0x97f70000
S:c4_phy_regp           0x81c50000      proc_dir
0xb8516320
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4345678      num_port_timer          12
S:prev_if_id            0x4302000a      S:ftx                   0
        tov                     0
S:initialized           0               port_idx                10
S:ui_idx                        51              slot_no
        0
S:blade_idx             10              sw_usr_ports            400
S:unused                        0               intr_debounced
        0
S:aec_status            0x0             reason_code
        0
S:debug                 0x00000004      debug_trc_line          0
S:rxbuf_list_head       0xffffffff      rxbuf_list_tail
0xffffffff
S:isAePort                      0               port_misc_data
                0
S:num_fault1_rx_disc    0               num_fault2_rx_disc      0
S:p_lli_cause0          0               p_sig_regained          0
S:p_sync_regained               0               enc_out
        0x0
S:cached_fps_status     0               cached_sts_status       0
S:cached_er_crc_good_eof        0
S:cached_er_bad_os      0               cached_er_too_long      0
S:cached_er_trunc       0
cached_tot_er_crc_good_eof      0
S:num_pt_excess_intr    0               num_no_fid              0
S:num_fault1_cnt                0               num_fault2_cnt
        0
```

```
S:num_fault_lip         0               num_fault_lli           0
S:num_fault_rx_fifo     0               num_fault_hss           0
S:num_fault_bwait               0               lli_intr_prim
        0
S:num_sw_link_to                0
be_link_err_mon_count           0
S:ecb_enc_enabled               0               ecb_comp_enabled
                0
S:ecb_rsv_enc           0               ecb_rsv_comp            0
S:ecb_enc_bm            0x0             ecb_key_index
0xffffffff
S:fab_idx               4
S:num_be_lto            0               lto_count_reset_intvl
        0
S:lr_count_reset_intvl          0               num_be_lr
        0
S:num_fault_qsfp                0               check_lto
        0
S:credit_loaded         0               num_credit_overrun
        0
S:fec_enabled           0x0             fec_los_to_flag         0x0
S:phy_stats_clear_ts            1725611419      pcs_err_online
        0
S:pcs_err_light_det             0               pcs_err_ignore
        0
S:pcs_blk_err           0               pcs_hiber               0
S:phy_port_status               0               ecb_enc_lr_count
                0
S:dport_mode            0               avoid_lto_det           0
S:sn_debounced          0x0             sn_started_kr_reqd      0
S:major_timer_started   0x0             ready_bm                0x0
S:parln_1_bm            0x0             parln_0_bm              0x0
S:be_los_of_sync_event_intvl            0
be_los_of_sync_event            0
S:errataPtenable_cntr           0               errataPoll_cntr
        0
S:jda_rx_sig_loss_det           0               jda_rx_sig_loss_cnt
                0
S:encrypt_blk_error             0
S:
S:      c4_trunk
S:=====================================
S:mark_ts               0x0             deskew                  0x0
S:master_phyp           0x0
S:
S:adelay[00]: 0x00000000 0x00000000 0x00000000 0x00000000
S:adelay[04]: 0x00000000 0x00000000 0x00000000 0x00000000
S:
S:      c4_buf
S:=====================================
S:tx_csc                        0               rx_csc
        0
S:ld_vc_credits         0               tx_flag                 0x0
S:alloc_buffers         0               req_buffers             0
```

```
S:est_buffers           20              ld_use_est              0
S:bb_sc_n                       0               rx_bb_sc_n
        0
S:data_cr                       5               nondata_cr
        6
S:cr_enable             0
S:ld_nondata_cr         6               tnodep
0xbb8368c0
S:tx_credits[0] 0    0    0    0    0    0    0    0
S:tx_credits[8] 0    0    0    0    0    0    0    0
S:tx_credits[16]        0    0    0    0    0    0    0    0
S:tx_credits[24]        0    0    0    0    0    0    0    0
S:tx_credits[32]        0    0    0    0    0    0    0    0
S:rx_credits[0] 0    0    0    0    0    0    0    0
S:rx_credits[8] 0    0    0    0    0    0    0    0
S:rx_credits[16]        0    0    0    0    0    0    0    0
S:rx_credits[24]        0    0    0    0    0    0    0    0
S:rx_credits[32]        0    0    0    0    0    0    0    0
S:tx_mbc[0]     0    0    0    0    0    0    0    0
S:tx_mbc[8]     0    0    0    0    0    0    0    0
S:tx_mbc[16]    0    0    0    0    0    0    0    0
S:tx_mbc[24]    0    0    0    0    0    0    0    0
S:tx_mbc[32]    0    0    0    0    0    0    0    0
S:rx_mbc[0]     0    0    0    0    0    0    0    0
S:rx_mbc[8]     0    0    0    0    0    0    0    0
S:rx_mbc[16]    0    0    0    0    0    0    0    0
S:rx_mbc[24]    0    0    0    0    0    0    0    0
S:rx_mbc[32]    0    0    0    0    0    0    0    0
S:
S:C4 Chip Variables: c4_phyp->c4_chp = 0x97e28000
S:-----------------------------------------------------------------
---------
S:version = 2.1
S:magic_id              0xc4234567      init_state              0x8
S:reset_reg_mem         0x1
S:ch_int0_en_bm         0x0             intr0_cause             0x0
S:ch_int1_en_bm         0x0             intr1_cause             0x0
S:ch_int2_en_bm         0x0             intr2_cause             0x0
S:ch                    0x43010080      ch_cfg
0xb7013ba0
S:raslog_hndl.hndl      0x0             obj_halted              0x0
S:c4_chip_regp          0x80000000      c4_fpg_regp
0x81800000
S:num_chip_timer        0x5
S:hi_task_bm            0x0             lo_task_bm              0x0
S:c4_deferq.q_head      0x0             c4_deferq.q_tail        0x0
S:c4_tmrq.q_head        0x0             c4_tmrq.q_tail          0x0
slot_no                 0
S:chip_inst             0               chip_idx                0
S:pll_initialized               1
pll_serdes_initialized  1
S:init_tries            0               init_ptEnableBM
0xba01b488
S:tick_polling          0xb980c9c0      sec_polling
```

```
0xb980c960
S:bb_fid                          129
S:ecb_key_bm[0]          0x0              ecb_key_bm[1]           0x0
S:ecb_key_bm[2]          0x0              ecb_key_bm[3]           0x0
S:is_chip_enc_enabled                     0
is_chip_comp_enabled    0x0
S:ftb_rsrcp->ftb_flags  0x0              act_rsrcp->act_flag     0x1
S:lue_rsrcp->lue_flags[0]       0x0              lue_rsrcp-
>lue_flags[1]   0x0
S:c4_phyp[00]: 0xb6ab0000 0xb6ab2080 0xb6ab4100 0xb6ab6180
S:c4_phyp[04]: 0xb6ab9040 0xb6abb0c0 0xb6abd140 0xb6ac0000
S:c4_phyp[08]: 0xb6ac2080 0xb6ac4100 0xb6ac6180 0xb6ac9040
S:c4_phyp[12]: 0xb6acb0c0 0xb6acd140 0xb6ad0000 0xb6ad2080
S:c4_phyp[16]: 0xb6ad4100 0xb6ad6180 0xb6ad9040 0xb6adb0c0
S:c4_phyp[20]: 0xb6add140 0xb6ae0000 0xb6ae2080 0xb6ae4100
S:c4_phyp[24]: 0xb6ae6180 0xb6ae9040 0xb6aeb0c0 0xb6aed140
S:c4_phyp[28]: 0xb6af0000 0xb6af2080 0xb6af4100 0xb6af6180
S:c4_phyp[32]: 0xb6af9040 0xb6afb0c0 0xb6afd140 0xb6b00000
S:c4_phyp[36]: 0xb6b02080 0xb6b04100 0xb6b06180 0xb6b09040
S:c4_phyp[40]: 0xb6b0b0c0 0xb6b0d140 0xb6b10000 0xb6b12080
S:c4_phyp[44]: 0xb6b14100 0xb6b16180 0xb6b19040 0xb6b1b0c0
S:c4_phyp[48]: 0xb6b1d140 0xb6b20000 0xb6b22080 0xb6b24100
S:c4_phyp[52]: 0xb6b26180 0xb6b29040 0xb6b2b0c0 0xb6b2d140
S:c4_phyp[56]: 0xb6b30000 0xb6b32080 0xb6b34100 0xb6b36180
S:c4_phyp[60]: 0xb6b39040 0xb6b3b0c0 0xb6b3d140 0xb6b40000
S:c4_lgcp[00]: 0x97f48000 0x97f4c000 0x97f50000 0x97f54000
S:c4_lgcp[04]: 0x97f58000 0x97f5c000 0x97f60000 0x97f64000
S:c4_lgcp[08]: 0x97f68000 0x97f6c000 0x97f70000 0x97f74000
S:c4_lgcp[12]: 0x97f78000 0x97f7c000 0x97f80000 0x97f84000
S:c4_lgcp[16]: 0x97f88000 0x97f8c000 0x97f90000 0x97f94000
S:c4_lgcp[20]: 0x97f98000 0x97f9c000 0x97fa0000 0x97fa4000
S:c4_lgcp[24]: 0x97fa8000 0x97fac000 0x97fb0000 0x97fb4000
S:c4_lgcp[28]: 0x97fb8000 0x97fbc000 0x97fc0000 0x97fc4000
S:c4_lgcp[32]: 0x97fc8000 0x97fcc000 0x97fd0000 0x97fd4000
S:c4_lgcp[36]: 0x97fd8000 0x97fdc000 0x97fe0000 0x97fe4000
S:c4_lgcp[40]: 0x97fe8000 0x97fec000 0x97ff0000 0x97ff4000
S:c4_lgcp[44]: 0x97ff8000 0x97ffc000 0x8e000000 0x8e004000
S:c4_lgcp[48]: 0x8e008000 0x8e00c000 0x8e010000 0x8e014000
S:c4_lgcp[52]: 0x8e018000 0x8e01c000 0x8e020000 0x8e024000
S:c4_lgcp[56]: 0x8e028000 0x8e02c000 0x8e030000 0x8e034000
S:c4_lgcp[60]: 0x8e038000 0x8e03c000 0x8e040000 0x8e044000
S:chip_timers[00]: 0xb980c720 0xb980c780 0xb980c7e0 0xb980c840
S:chip_timers[04]: 0xb980c8a0 0xb980c900
S:disc_trap_enable_required     0x0              rxlp_disc_log_stop
        0x0
S:curr_rxlp_frm_cnt     0x0              curr_rxlp_disc_frm_cnt  0x0
S:sw_disc_frm_cnt       0x0              last_disc_frm_cnt       0x0
S:txq_nopop_pr_cnt      0x0              pollErrataDfe_ptBM
0xba01b4b0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][0]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][1]  0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][2]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][0] 0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][1]       0x0
```

```
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][2] 0x0
S:
S:C4 Logical Port Variables
S:-----------------------------------------------------------------
---------
S:c4_lgc_regp           0x81c50000
S:c4_phyp:
S:      0xb6ac6180      0x0             0x0             0x0

S:      0x0             0x0             0x0             0x0

S:master_phyp           0xb6ac6180      if_id
0x4302000a
S:min_phyp              0x0             max_phyp                0x0
S:num_phy_ports         1               lgc_num                 10
S:num_iu_to             0               sw_txq_bm
        0
S:port_fid              129             unused                  0
S:port_group            1               lgc_stats_clear_ts
               1725611419
S:domain_tbl_sel                0               area_tbl_sel
        0
S:egid_tbl_sel          0
S:serv_lo_bm            0x0
S:
S:Proto Phy Variables:
S:-----------------------------------------------------------------
---------
S:magic_id              0xc4123456      asic_phyp
0xb6ac6180
S:port_id                       0x4302800a      phy_cfg
        0xb6ac8000
S:upsm_hdl              0xb8012780      physm_hdl
0xb8012500
S:ov_snsm_hdl           0xb80123c0      sw_snsm_hdl
0xb8012460
S:ov_lksm_hdl           0xb80125a0      sw_lksm_hdl
0xb8012640
S:trksm_hdl             0xb80126e0      lr_flag         0x0
S:lr_active             0x0             qsfp_txrx_rate_sel
        0x0
S:
S:UPSM      UP00: UPST_PORT_DISABLED    --> UP00: UPST_PORT_DISABLED
S:SNSM(OV)  SN00: OV_SNST_STOPPED       --> SN00: OV_SNST_STOPPED
S:SNSM(SW)  SW00: SW_SNST_STAGE_WS      --> SW00: SW_SNST_STAGE_WS
S:PHYSM     PP00: PHYST_STOPPED         --> PP00: PHYST_STOPPED
S:LKSM(OV)  LK00: OV_LKST_INACTIVE      --> LK00: OV_LKST_INACTIVE
S:LKSM(SW)  SW13: INACTIVE              --> SW13: INACTIVE
S:TRKSM     TRK0: TRKST_INIT            --> TRK0: TRKST_INIT
S:
S:physm variables:
S:-----------------------------------------------------------------
---------
S:proto_phyp            0xb8807b40      physm_hdl
```

```
0xb8012500
S:force_offline         0               copper                  0
S:fault_reason          0: UNKNOWN
S:phy_media_present             0
S:
S:snsm variables:
S:-------------------------------------------------------------------
---------
S:speed                 0xff            proto_phyp
0xb8807b40
S:hw_sn_tries_left      0x0             sw_sn_tries_left        0x0
S:curr_txsp_count               0x0
S:tx_max                        0x0             curr_tx_indx
        0x0
S:curr_tx                       0x0             curr_rxsp_count
        0x0
S:rx_max                        0x0             curr_rx_indx
        0x0
S:curr_rx                       0x0             rx_mem
        0x0
S:rxsp_rec_count                0x0
S:nc_start              0x0             tx_start                0x0
S:sync_start            0x0             sync_present            0x0
S:diag_auto             0x0             diag_speed              0xff
S:striped_wd_tov                3000            hw_wd_tov
        3000
S:step                  0x0             qsfp28_speed_mode
        0x0
S:qsfp_mode0_hw_sn_tries_left           0x0
S:qsfp_mode1_hw_sn_tries_left           0x0
S:
S:lksm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8807b40      ov_lksm_hdl
0xb80125a0
sw_lksm_hdl             0xb8012640
num_lf1                 0
S:hw_link_tries_left    0               sw_link_tries_left      0
S:buf_ptype             0x0             stored_entry_state      0x6
S:handshake_owner               0x0             mark_unsent
        0x0
S:busybuf_stuck         0x0             lr_wait                 0x0
S:
S:trksm variables:
S:-------------------------------------------------------------------
---------
S:Not a trunk port
S:
S:upsm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8807b40      upsm_hdl
0xb8012780
```

```
S:bb_credits            0               port_beacon             0
S:port_diag_flag                0               force_offline
        0
S:port_fault_rsn                0: PORT_NO_FAULT
S:retry_init_rsn                0: UNKNOWN
S:linit_reason          0               linit_result            0
S:ie_fctl_mode          0               fec_in_sync_tries_left  0
S:retry_sn_fail_init    0
retry_link_fail_init    0
S:excess_lr_count       0
S:
S:c4_ch_cfg
S:-------------------------------------------------------------------
---------
S:c4_desc_ring_size     256      292      256      256      292
292      2        292      292
S:thresh_def            0        16       1        0
S:intr_tries            500             cmem_pattern
0xdeadbeef
S:cmem_pattern_upwd     2               cmem_init_time          16
S:cmem_init_tries               5
S:ctrl_par_thresh               2               data_par_thresh
        4
S:cam_par_thresh                4               buf_loss_thresh
        12
S:crit_par_thresh               2               non_crit_par_thresh
        6
S:pci_abort_thresh      10              pci_err_thresh          5
S:excess_chintr_thresh  8               sw_err_thresh           20
S:err_sample_period     300             intr_sleep
20000
S:frame_timeout 2500            proxy_dev               16384
S:vf_route      81920           qos             2048
S:stats 2048            f_redirect              2048
S:rsp_trap      2048            lun_zoning              20480
S:area_mode     0               ftb_max_loop[0]         0
S:ftb_max_loop[1]       6               ftb_max_loop[2]         9
S:ftb_max_loop[3]       10              ftb_max_loop[4]         10
S:ftb_max_loop[5]       5               ftb_max_loop[6]         6
S:ftb_seg_size[0]       0               ftb_seg_size[1]
16384
S:ftb_seg_size[2]       65536           ftb_seg_size[3]
16384
S:ftb_seg_size[4]       16384           ftb_seg_size[5]
65536
S:ftb_seg_size[6]       16384           ftb_seg_base[0]         0
S:ftb_seg_base[1]       0               ftb_seg_base[2]
65536
S:ftb_seg_base[3]       16384           ftb_seg_base[4]
32768
S:ftb_seg_base[5]       131072          ftb_seg_base[6]
49152
asic_err_monitor_period1                300
asic_err_monitor_period2                86400
```

```
zone_chk_to_poll_period 25
zone_chk_class2_reject_tov              220
S:
S:c4_phy_cfg
S:-------------------------------------------------------------------
---------
S:version = 2.1
S:pt                    0x4302800a      fab_ptr
0x9a800000
S:fabattr                       0x9a8000d4      fab_iop
        0x9a800050
S:cfgbm                 0xbb836624      port_ctrl
0xb6ac8018
S:pcap.pcap_bm          0x8d215547      pcap.pcap2_bm
0x2588289
S:pcap.pcap3_bm         0x1bebe0c
ui_idx                  51              S:slot_no
        0
is_icl                  0               S:sw_usr_ports          400
S:neg_speed             0 0 0 0 0 0
S:my_domain             0x1             port_mode               0x0
S:hw_sn_maxtries                100             sw_sn_maxtries
        0
S:hw_link_maxtries      10              sw_link_maxtries        5
S:rx_cyc_tov            28              rttov                   300
S:bufrdy_tov            300             busybuf_tov             286
S:mark_tov              300             lksm_tov                3000
S:buf_dealloc_wait      4               hw_wd_tov               3000
S:hw_lk_train_tov               540             hw_lk_test_tov
        150
S:syswait_tx_12_lips    1               lip_rx_tov              55
S:al_time_tov           15              lp_tov                  2000
S:intr_tries_port               500             intr_mod_debounce
        250
S:intr_lsr_flt_debounce 500             intr_efifo_debounce     100
S:port_no_fid           3               excess_ptintr_thresh    8
S:port_fault1_thresh    100             port_fault1_spur_thresh 250
S:port_fault1_disc_thresh       500
port_fault1_disc_spur_thresh    1000
S:port_fault2_thresh    5               losync_tov              100
S:port_sw_link_to               15              en_8g_scramble
        1
frc_hw_sn_mode          0x1
S:enc_poll_thresh               0               fec_enable
        0
S:fec_in_sync_to                50              fec_in_sync_try_max
        4
S:port_be_lto_threshold         100             port_be_lr_threshold
                2
S:be_cr_in_sync_to              5
port_credit_overrun_thresh              10
S:jda_sfp_losig_tov             400
jda_sfp_losig_try_max           30
S:striped_wd_tov                3000
```

```
no_sync_debounce                1200
S:
S:      fab_iop
S:=======================================
S:fab_iop->interop_mode 0x0             fab_iop->lab_mode       0x0
S:fab_iop->fl_bbc               0x0             fab_iop->fl_fan
        0x0
S:fab_iop->fl_cls               0x4             fab_iop->fl_rscn
        0x0
S:fab_iop->domain_id_offset     0x60            fab_iop-
>mcdt_fabric_mode       0x0
S:fab_iop->mcdt_default_zone            0x0             fab_iop-
>mcdt_safe_zone         0x0
S:
S:      port_ctrl
S:=======================================
S:port_ctrl.port_type   1               port_ctrl.port_grp      1
S:port_ctrl.port_number 51              port_ctrl.vc_mode       1
S:
S:      port_ctrl.lcap
S:=======================================
S:has_serdes            0               has_media               1
S:topology              1               skip_nego               0
S:skip_pnego            0               skip_init_event         0
S:en_shim                       0               speed_neg
        1
S:loop_back             0               num_speeds              5
S:fec_enable            0
S:
S:      port_ctrl.speed_list array
S:=======================================
S:speed_list[0].auto_neg  1     speed_list[0].lnk_speed  0x0000000a
S:speed_list[1].auto_neg  1     speed_list[1].lnk_speed  0x00000008
S:speed_list[2].auto_neg  1     speed_list[2].lnk_speed  0x00000006
S:speed_list[3].auto_neg  1     speed_list[3].lnk_speed  0x00000005
S:speed_list[4].auto_neg  1     speed_list[4].lnk_speed  0x00000003
S:speed_list[5].auto_neg  0     speed_list[5].lnk_speed  0x00000000
S:
S:      port_ctrl.cm
S:=======================================
S:port_ctrl.cm.num_vcs          8
S:port_ctrl.cm.min_bufs         8
S:port_ctrl.cm.cr_shar_bufs     0
S:port_ctrl.vc_alloc
S:port_ctrl.vc_alloc            2 0 1 1 1 1 1 1
S:port_ctrl.vc_alloc            0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.norm_vc_alloc
S:port_ctrl.norm_vc_alloc       4 0 5 5 5 5 1 1
S:port_ctrl.norm_vc_alloc       0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.cm.skip_bb_credit           0
S:port_ctrl.cm.use_shim_based_sublist           0
S:
```

```
S:      port_ctrl.serdes_set
S:=====================================
S:serdes_type           0x8
S:serdes_data_t.ibm_hss_serdes.tx_drive_power           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b_sign      0x1
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_a           0x0
S:serdes_data_t.ibm_hss_serdes.rxeq                     0x0
S:
S:      cfgbm
S:=====================================
S:old_distance          0x0             gport_lockdown          0x0
S:tport                 0x1             speed                   0x0
S:disable_eport         0x0             fcacc                   0x0
S:lport_lockdown                0x0             priv_lport_lockdown
        0x0
S:vcxlt_linit           0x0             delay_flogi             0x0
S:isl_interop           0x0             distance                0x0
S:BufStarvFlag          0x0             credit_sharing          0x0
S:lport_halfduplex      0x0             lport_fairness          0x0
S:soft_neg              0x0             asn_frc_hwretry         0x0
S:cr_recov              0x0             fport_buffers           0x0
S:export                        0x0             export_mode
        0x0
S:csctl_en              0x0             mirror_port             0x0
S:fault_delay           0x0             non_dfe                 0x0
S:fec_configured*(0=ENAB)       0               fec_tts
        0
S:port_persistently_disabled (permanently) 0 (0)
S:
S:      cfg property
S:=====================================
S:priv_pcfg_bm          0x00000000      lgcl_pcfg_bm
0xbb836664
S:fport_buffer          0x00000000
S:
S:
S:C4 Discard Cntrs: rxlp_stats = 0xb6ac6530
S:-------------------------------------------------------------------
---------
S:disc_mcast_wka        0x0             disc_inv_did            0x0
S:disc_cl1_cl4          0x0             disc_sid_chk_fail       0x0
S:disc_inv_dom_egid_txpt        0x0             disc_vft_hop_cnt_1
        0x0
S:disc_classf           0x0             disc_fcp_cdb_inv        0x0
S:disc_vfid_trap_enabled        0x0
disc_vfid_hdr_chk_fail  0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_ftb_vm_mode      0x0             disc_ftb_agn_t2_miss    0x0
S:disc_ecb_de_pad_err   0x0             disc_ecb_de_tag_err     0x0
S:disc_ecb_de_seq_err   0x0             disc_ecb_err            0x0
S:disc_ftb_type4_match  0x0             disc_fcp_rsp_ftb_type4  0x0
S:disc_fcp_rsp_ftb_type4        0x0             disc_ftb_type5_match
```

```
        0x0
S:disc_ftb_type3_match  0x0             disc_els_ftb_type3      0x0
S:disc_ftb_type1_match  0x0             disc_els_rsp_ex_port    0x0
S:disc_inv_drp_dps      0x0             disc_did_lookup_miss    0x0
S:disc_ftb_type2_match  0x0             disc_trpd_plogi_pdisc   0x0
S:disc_type2_lookup_miss        0x0             disc_ftb_type6_match
        0x0
S:disc_els_rep_ex_port  0x0             disc_els_sid_lkup_bit1  0x0
S:disc_els_sid_lkup_bit0        0x0
disc_bls_frm_trap_bit1  0x0
S:disc_ftb_token_err    0x0             disc_asic_internal_err  0x0
S:disc_hard_zone_miss   0x0             disc_lun_zone_miss      0x0
S:disc_flt_frame_disc   0x0             disc_flt_parity_err     0x0
S:disc_frame_marked_du  0x0             disc_frame_marked_to    0x0
E:Connection type: FE
E:Port type: E_port
E:Trunk port: No
E:Configured Speed: AUTO_SPEED_NEGO
E:Max Capable Speed: 32G
E:Current SNSM Speed: UNDEFINED
E:Hardware TX Speed: 32G (0x00000004)
E:Hardware RX Speed: 32G (0x00000040)
E:
E:Interrupts:   0           Link_failure:       0
Loss_of_sync:   0           Loss_of_sig:        0
E:Lli:          0           Invalid_word:       0
E:trapped_frm:  0           fwd_status_ok:      0
E:fwd_timeout:  0           fwd_tx_unavail:     0
E:fwd_unroutable:       0           fwd_zone_out:       0
E:fwd_other_err:        0           frm_err_discard:    0
E:Fltr listA:   0           Fltr listB:         0
E:Zone trap fwd:        0           Zone trap disc:     0
E:shim_csum:    0           RTE_perr:           0
E:Invalid_crc:  0           Delim_err:          0
E:Protocol_err: 0
E:Lr_in:        0           Lr_out:             0
E:Ols_in:       0           Ols_out:            0


filterportshow 51

                FILTER DATA
                -----------
Shadow settings:
   Filter Enable: 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
```

```
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass: 0x00000000
Real settings:
   Enable RAM: 0x00000000, 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
```

```
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass RAM: 0x00000000

Shadowed filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        c4_fldenable[0] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[0] = 0x00000000,c4_fltr_config[0] = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        c4_fldenable[1] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[1] = 0x00000000,c4_fltr_config[1] = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        c4_fldenable[2] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[2] = 0x00000000,c4_fltr_config[2] = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        c4_fldenable[3] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[3] = 0x00000000,c4_fltr_config[3] = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        c4_fldenable[4] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[4] = 0x00000000,c4_fltr_config[4] = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        c4_fldenable[5] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[5] = 0x00000000,c4_fltr_config[5] = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        c4_fldenable[6] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[6] = 0x00000000,c4_fltr_config[6] = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        c4_fldenable[7] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[7] = 0x00000000,c4_fltr_config[7] = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        c4_fldenable[8] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[8] = 0x00000000,c4_fltr_config[8] = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        c4_fldenable[9] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[9] = 0x00000000,c4_fltr_config[9] = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        c4_fldenable[10] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[10] = 0x00000000,c4_fltr_config[10] =
0x00000000
Filter 11: Not Installed (SIM)(LISTA)
```

```
        c4_fldenable[11] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[11] = 0x00000000,c4_fltr_config[11] =
0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        c4_fldenable[12] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[12] = 0x00000000,c4_fltr_config[12] =
0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        c4_fldenable[13] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[13] = 0x00000000,c4_fltr_config[13] =
0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        c4_fldenable[14] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[14] = 0x00000000,c4_fltr_config[14] =
0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        c4_fldenable[15] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[15] = 0x00000000,c4_fltr_config[15] =
0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        c4_fldenable[16] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[16] = 0x00000000,c4_fltr_config[16] =
0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        c4_fldenable[17] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[17] = 0x00000000,c4_fltr_config[17] =
0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        c4_fldenable[18] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[18] = 0x00000000,c4_fltr_config[18] =
0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        c4_fldenable[19] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[19] = 0x00000000,c4_fltr_config[19] =
0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        c4_fldenable[20] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[20] = 0x00000000,c4_fltr_config[20] =
0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        c4_fldenable[21] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[21] = 0x00000000,c4_fltr_config[21] =
0x00000000
```

```
Filter 22: Not Installed (PERF7)(LISTA)
        c4_fldenable[22] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[22] = 0x00000000,c4_fltr_config[22] =
0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        c4_fldenable[23] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[23] = 0x00000000,c4_fltr_config[23] =
0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        c4_fldenable[24] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[24] = 0x00000000,c4_fltr_config[24] =
0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        c4_fldenable[25] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[25] = 0x00000000,c4_fltr_config[25] =
0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        c4_fldenable[26] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[26] = 0x00000000,c4_fltr_config[26] =
0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        c4_fldenable[27] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[27] = 0x00000000,c4_fltr_config[27] =
0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        c4_fldenable[28] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[28] = 0x00000000,c4_fltr_config[28] =
0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        c4_fldenable[29] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[29] = 0x00000000,c4_fltr_config[29] =
0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        c4_fldenable[30] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[30] = 0x00000000,c4_fltr_config[30] =
0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        c4_fldenable[31] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[31] = 0x00000000,c4_fltr_config[31] =
0x00000000


Real filters:
```

```
Filter 0: Not Installed (MIRROR1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
```

```
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
```

```
Filter 27: Not Installed (PERF12)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000

Filter dirty indicator: 0x00000000
Performance filters: 0
Port Mirror filters: 0 (0x0)


               FIELD DATA
               ----------

Shadowed fields:

fldoffset[0] = 0x00,fldmask[0] = 0x00,fldvalue_dyna[0]:0x00 0x00
0x00 0x00
fldcontrol[0].inuse = 0x0  fldcontrol[0].refcnt = 0x00 0x00 0x00
0x00
fldoffset[1] = 0x00,fldmask[1] = 0x00,fldvalue_dyna[1]:0x00 0x00
0x00 0x00
fldcontrol[1].inuse = 0x0  fldcontrol[1].refcnt = 0x00 0x00 0x00
0x00
fldoffset[2] = 0x00,fldmask[2] = 0x00,fldvalue_dyna[2]:0x00 0x00
0x00 0x00
fldcontrol[2].inuse = 0x0  fldcontrol[2].refcnt = 0x00 0x00 0x00
0x00
fldoffset[3] = 0x00,fldmask[3] = 0x00,fldvalue_dyna[3]:0x00 0x00
0x00 0x00
fldcontrol[3].inuse = 0x0  fldcontrol[3].refcnt = 0x00 0x00 0x00
0x00
fldoffset[4] = 0x00,fldmask[4] = 0x00,fldvalue_dyna[4]:0x00 0x00
0x00 0x00
fldcontrol[4].inuse = 0x0  fldcontrol[4].refcnt = 0x00 0x00 0x00
0x00
fldoffset[5] = 0x00,fldmask[5] = 0x00,fldvalue_dyna[5]:0x00 0x00
0x00 0x00
fldcontrol[5].inuse = 0x0  fldcontrol[5].refcnt = 0x00 0x00 0x00
```

0x00
fldoffset[6] = 0x00,fldmask[6] = 0x00,fldvalue_dyna[6]:0x00 0x00
0x00 0x00
fldcontrol[6].inuse = 0x0 fldcontrol[6].refcnt = 0x00 0x00 0x00
0x00
fldoffset[7] = 0x00,fldmask[7] = 0x00,fldvalue_dyna[7]:0x00 0x00
0x00 0x00
fldcontrol[7].inuse = 0x0 fldcontrol[7].refcnt = 0x00 0x00 0x00
0x00
fldoffset[8] = 0x00,fldmask[8] = 0x00,fldvalue_dyna[8]:0x00 0x00
0x00 0x00
fldcontrol[8].inuse = 0x0 fldcontrol[8].refcnt = 0x00 0x00 0x00
0x00
fldoffset[9] = 0x00,fldmask[9] = 0x00,fldvalue_dyna[9]:0x00 0x00
0x00 0x00
fldcontrol[9].inuse = 0x0 fldcontrol[9].refcnt = 0x00 0x00 0x00
0x00
fldoffset[10] = 0x00,fldmask[10] = 0x00,fldvalue_dyna[10]:0x00 0x00
0x00 0x00
fldcontrol[10].inuse = 0x0 fldcontrol[10].refcnt = 0x00 0x00 0x00
0x00
fldoffset[11] = 0x00,fldmask[11] = 0x00,fldvalue_dyna[11]:0x00 0x00
0x00 0x00
fldcontrol[11].inuse = 0x0 fldcontrol[11].refcnt = 0x00 0x00 0x00
0x00
fldoffset[12] = 0x00,fldmask[12] = 0x00,fldvalue_dyna[12]:0x00 0x00
0x00 0x00
fldcontrol[12].inuse = 0x0 fldcontrol[12].refcnt = 0x00 0x00 0x00
0x00
fldoffset[13] = 0x00,fldmask[13] = 0x00,fldvalue_dyna[13]:0x00 0x00
0x00 0x00
fldcontrol[13].inuse = 0x0 fldcontrol[13].refcnt = 0x00 0x00 0x00
0x00
fldoffset[14] = 0x00,fldmask[14] = 0x00,fldvalue_dyna[14]:0x00 0x00
0x00 0x00
fldcontrol[14].inuse = 0x0 fldcontrol[14].refcnt = 0x00 0x00 0x00
0x00
fldoffset[15] = 0x00,fldmask[15] = 0x00,fldvalue_dyna[15]:0x00 0x00
0x00 0x00
fldcontrol[15].inuse = 0x0 fldcontrol[15].refcnt = 0x00 0x00 0x00
0x00
fldoffset[16] = 0x00,fldmask[16] = 0x00,fldvalue_dyna[16]:0x00 0x00
0x00 0x00
fldcontrol[16].inuse = 0x0 fldcontrol[16].refcnt = 0x00 0x00 0x00
0x00
fldoffset[17] = 0x00,fldmask[17] = 0x00,fldvalue_dyna[17]:0x00 0x00
0x00 0x00
fldcontrol[17].inuse = 0x0 fldcontrol[17].refcnt = 0x00 0x00 0x00
0x00
fldoffset[18] = 0x00,fldmask[18] = 0x00,fldvalue_dyna[18]:0x00 0x00
0x00 0x00
fldcontrol[18].inuse = 0x0 fldcontrol[18].refcnt = 0x00 0x00 0x00
0x00
fldoffset[19] = 0x00,fldmask[19] = 0x00,fldvalue_dyna[19]:0x00 0x00

```
0x00 0x00
fldcontrol[19].inuse = 0x0  fldcontrol[19].refcnt = 0x00 0x00 0x00
0x00

Real fields:

fldoffset RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fldmask RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fld value4 RAM:
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
Field dirty indicator: 0x00000000

FDB reference count fdb: 0 [0 0 0 0 ]
FDB reference count fdb: 1 [0 0 0 0 ]
FDB reference count fdb: 2 [0 0 0 0 ]
FDB reference count fdb: 3 [0 0 0 0 ]
FDB reference count fdb: 4 [0 0 0 0 ]
FDB reference count fdb: 5 [0 0 0 0 ]
FDB reference count fdb: 6 [0 0 0 0 ]
FDB reference count fdb: 7 [0 0 0 0 ]
FDB reference count fdb: 8 [0 0 0 0 ]
FDB reference count fdb: 9 [0 0 0 0 ]
FDB reference count fdb: 10 [0 0 0 0 ]
FDB reference count fdb: 11 [0 0 0 0 ]
FDB reference count fdb: 12 [0 0 0 0 ]
FDB reference count fdb: 13 [0 0 0 0 ]
FDB reference count fdb: 14 [0 0 0 0 ]
FDB reference count fdb: 15 [0 0 0 0 ]
FDB reference count fdb: 16 [0 0 0 0 ]
FDB reference count fdb: 17 [0 0 0 0 ]
FDB reference count fdb: 18 [0 0 0 0 ]
FDB reference count fdb: 19 [0 0 0 0 ]
```

```
Filter counters:
   Filter counter 0: 0  (MIRROR1)
   Filter counter 1: 0  (MIRROR2)
   Filter counter 2: 0  (MIRROR3)
   Filter counter 3: 0  (MIRROR4)
   Filter counter 4: 0  (AEPORT_NON_MIRR_DROP)
   Filter counter 5: 0  (ZONING TRAP)
   Filter counter 6: 0  (FCR_EXPORT_DC)
   Filter counter 7: 0  (TIN TRAP)
   Filter counter 8: 0  (FICON CUP)
   Filter counter 9: 0  (FICON CUP DST)
   Filter counter 10: 0 (WELL KNOWN ADDR)
   Filter counter 11: 0 (SIM)
   Filter counter 12: 0 (UNUSED)
   Filter counter 13: 0 (UNUSED)
   Filter counter 14: 0 (UNUSED)
   Filter counter 15: 0 (UNUSED)
   Filter counter 16: 0 (PERF1)
   Filter counter 17: 0 (PERF2)
   Filter counter 18: 0 (PERF3)
   Filter counter 19: 0 (PERF4)
   Filter counter 20: 0 (PERF5)
   Filter counter 21: 0 (PERF6)
   Filter counter 22: 0 (PERF7)
   Filter counter 23: 0 (PERF8)
   Filter counter 24: 0 (PERF9)
   Filter counter 25: 0 (PERF10)
   Filter counter 26: 0 (PERF11)
   Filter counter 27: 0 (PERF12)
   Filter counter 28: 0 (OPM1)
   Filter counter 29: 0 (OPM2)
   Filter counter 30: 0 (IPM1)
   Filter counter 31: 0 (IPM2)

               ACL DATA
               --------
Logical port 10: Hard Zoning disabled, Soft Zoning disabled
Zone type: WWN Zoning
Frames with hard zone miss: 0

*** Please use filterportshow on user port 56 to display ACL hash
tables and Mirroring resources of thischip.
 ***We show this data only for the first physical port which is an
exernal port.

portFcPortCmdShow --slot 0 52 3
doing portFcPortCmdShow: arg1 = 3, arg2 = -2

portshow 52
portDisableReason: None
portCFlags: 0x0
portFlags: 0x4021        PRESENT U_PORT DISABLED LED
LocalSwcFlags: 0x0
portType:  26.0
```

```
POD Port: Need license to enable the port
portState: 2    Offline
Protocol: FC
portPhys:  2    No_Module       portScn:   2    Offline
port generation number:    0
state transition count:    0

portId:    013400
portIfId:    4302000c
portWwn:   20:34:d8:1f:cc:2c:99:90
portWwn of device(s) connected:
16b Area list:
Distance:  normal
portSpeed: N32Gbps

FEC: Inactive
Credit Recovery: Inactive
LE domain: 0
Peer beacon: Off
FC Fastwrite: OFF
Interrupts:        0          Link_failure: 0          Frjt:
0
Unknown:           0          Loss_of_sync: 0          Fbsy:
0
Lli:               0          Loss_of_sig:  0
Proc_rqrd:         0          Protocol_err: 0
Timed_out:         0          Invalid_word: 0
Tx_unavail:        0          Invalid_crc:  0
Delim_err:         0          Address_err:  0
Lr_in:             0          Ols_in:       0
Lr_out:            0          Ols_out:      0


portloginshow 52
Type  PID     World Wide Name        credit df_sz cos
=====================================================


portloginshow 52 -history
 Type  PID      World Wide Name           logout time
============================================================


portregshow 52

LED registers
=============
0x81c62000: c4_led_status           00000000    0x81c62004:
c4_led_ctl              00000000

FPL registers
=============
0x81c60200: fpl_port_config         23490000
0x81c6020c: fpl_port_id_ctl         00000000    0x81c60210:
```

```
fpl_port_id_addr        00013400
0x81c60214: fpl_port_speed          00000004    0x81c6021c:
fpl_lli_ctl             00000903
0x81c60228: fpl_lli_os_ctl          bc95b5b5    0x81c6022c:
fpl_lli_send_word       bc95b5b5
0x81c60230: fpl_lli_mark_rx         00000000    0x81c60234:
fpl_lli_rnd_trip_time   00000000
0x81c60238: fpl_lli_ns_status       80070007    0x81c6023c:
fpl_lli_intr_status     80070007
0x81c60244: fpl_lli_def             00000000    0x81c60254:
fpl_lli_intr_enable_clr 00100000
0x81c60258: fpl_err_intr_status     00000000    0x81c60260:
fpl_err_intr_enable_clr 00000000
0x81c60268: fpl_err_first_error     00000000    0x81c6026c:
fpl_speed_neg_ctl       00000000
0x81c60270: fpl_speed_neg_stat      00000000    0x81c60274:
fpl_softasn_ctl         0000000f
0x81c60278: fpl_link_init_ctl       00000000    0x81c6027c:
fpl_link_init_stat      00000000
0x81c60280: fpl_aec_ctl             00051060    0x81c60284:
fpl_aec_ctl2            04009f60
0x81c60288: fpl_pcs_ctl             00000160    0x81c6028c:
fpl_fec_ctl             00000441
0x81c60290: fpl_fec_cor             00000000    0x81c60294:
fpl_fec_uncor           00000000
0x81c60298: fpl_hss_link_ctl        0031f040    0x81c6029c:
fpl_afifo_link_ctl      00000a86
0x81c602a0: fpl_echo_lb_ctl         0000028c    0x81c602a4:
fpl_scratch             00000121
0x81c602a8: fpl_debug               00030005    0x81c602ac:
fpl_misc_debug          00001800
0x00000000: SW_shadow_reg           00000000    0x00000000:
SW_c4_phyp->cfgptr      00030000

per-fpg (per octet) registers
=============================
0x8180b82c: fpg_serdes_ctla0        81a37be7    0x8180b830:
fpg_serdes_ctla1        81a37be7
0x8180b834: fpg_serdes_ctlb0        81a1c3c3    0x8180b838:
fpg_serdes_ctlb1        81a1c3c3
0x8180b83c: fpg_serdes_xgmii_1ms    00067c28    0x8180b840:
fpg_serdes_regtimctl    40e47946
0x8180b844: fpg_serdes_asnrsttimctl 00000102

HSS PLL registers
=============================
0x8180b400: 00_hssplla_vco_coarse_cal0      00000000    0x8180b404:
01_hssplla_vco_coarse_cal1      00000014
0x8180b408: 02_hssplla_vco_coarse_cal2      00000000    0x8180b40c:
03_hssplla_vco_coarse_cal3      00000000
0x8180b410: 04_hssplla_vco_coarse_cal4      00000000    0x8180b424:
09_hssplla_power_ctl            00000000
0x8180b428: 0A_hssplla_charge_pump_ctl      00000004    0x8180b438:
0E_hssplla_pll_misc_ctl         00000000
```

```
0x8180b43c: 0F_hssplla_pclk_ctl             000000f8    0x8180b440:
10_hssplla_eyem_intv_ctl        00000000
0x8180b444: 11_hssplla_eyem_intv_lim1       00000000    0x8180b448:
12_hssplla_eyem_intv_lim2       00000000
0x8180b44c: 13_hssplla_eyem_intv_lim3       00000000    0x8180b450:
14_hssplla_eyem_intv_lim4       00000000
0x8180b4f0: 3C_hssplla_macro_tst_ctl4       00000000    0x8180b4f4:
3D_hssplla_macro_tst_ctl3       00000000
0x8180b4f8: 3E_hssplla_macro_tst_ctl2       00000000    0x8180b4fc:
3F_hssplla_macro_tst_ctl1       00000000
0x8180b500: 00_hssp1lb_vco_coarse_cal0      0000000a    0x8180b504:
01_hssp1lb_vco_coarse_cal1      00000014
0x8180b508: 02_hssp1lb_vco_coarse_cal2      00000000    0x8180b50c:
03_hssp1lb_vco_coarse_cal3      00000000
0x8180b510: 04_hssp1lb_vco_coarse_cal4      00000000    0x8180b524:
09_hssp1lb_power_ctl            00000000
0x8180b528: 0A_hssp1lb_charge_pump_ctl      00000004    0x8180b538:
0E_hssp1lb_pll_misc_ctl         00000000
0x8180b53c: 0F_hssp1lb_pclk_ctl             000000f8    0x8180b540:
10_hssp1lb_eyem_intv_ctl        00000000
0x8180b544: 11_hssp1lb_eyem_intv_lim1       00000000    0x8180b548:
12_hssp1lb_eyem_intv_lim2       00000000
0x8180b54c: 13_hssp1lb_eyem_intv_lim3       00000000    0x8180b550:
14_hssp1lb_eyem_intv_lim4       00000000
0x8180b5f0: 3C_hssp1lb_macro_tst_ctl4       00000000    0x8180b5f4:
3D_hssp1lb_macro_tst_ctl3       00000000
0x8180b5f8: 3E_hssp1lb_macro_tst_ctl2       00000000    0x8180b5fc:
3F_hssp1lb_macro_tst_ctl1       00000000

HSS TX registers
================
0x8180a000: 00_hsstx_cfg_mode_PHY           00009f48    0x8180a004:
01_hsstx_test_ctl               00000000
0x8180a008: 02_hsstx_coeff_ctl_INV          00000000    0x8180a00c:
03_hsstx_drv_mode_ctl           00000000
0x8180a010: 04_hsstx_drv_ovrd_ctl           00000010    0x8180a014:
05_hsstx_dclk_align_ovrd        00000080
0x8180a018: 06_hsstx_imp_cal_ovrd           00000c0c    0x8180a01c:
07_hsstx_dclk_drift_tol         00000004
0x8180a020: 08_hsstx_tap0_coeff_TUNE        00000000    0x8180a024:
09_hsstx_tap1_coeff_TUNE        00000003
0x8180a028: 0A_hsstx_tap2_coeff_TUNE        00000018    0x8180a02c:
0B_hsstx_tap3_coeff_TUNE        0000000d
0x8180a034: 0D_hsstx_pol_INV                00000004    0x8180a038:
0E_hsstx_ae_cmd                 00000000
0x8180a03c: 0F_hsstx_ae_stat                00000000    0x8180a040:
10_hsstx_ae_tap0_TUNE           00000000
0x8180a044: 11_hsstx_ae_tap1_TUNE           00000000    0x8180a048:
12_hsstx_ae_tap2_TUNE           00000028
0x8180a04c: 13_hsstx_ae_tap3_TUNE           00000000    0x8180a054:
15_hsstx_app_tune               0000120e
0x8180a058: 16_hsstx_analog_diag            00000000    0x8180a060:
18_hsstx_4x_seg_app             0000aafa
0x8180a064: 19_hsstx_2x_seg_app             00000000    0x8180a068:
```

```
1A_hsstx_1x_seg_app             0000ff5d
0x8180a06c: 1B_hsstx_seg_4x_term_app        00000000    0x8180a070:
1C_hsstx_seg_2x1x_term_app      00000f00
0x8180a074: 1D_hsstx_tap_sign_app           00000004    0x8180a078:
1E_hsstx_ext_addr_data          00000001
0x8180a07c: 1F_hsstx_ext_addr_addr          00000000    0x8180a080:
20_hsstx_pat_buf_bytes_1_0      00000000
0x8180a084: 21_hsstx_pat_buf_bytes_3_2      00000000    0x8180a088:
22_hsstx_pat_buf_bytes_5_4      00000000
0x8180a08c: 23_hsstx_pat_buf_bytes_7_6      00000000    0x8180a09c:
27_hsstx_8023az_ctl             00000000
0x8180a0a0: 28_hsstx_dcc_ctl                000060c0    0x8180a0a4:
29_hsstx_dcc_ovrd               00001000
0x8180a0a8: 2A_hsstx_dcc_app                00000000    0x8180a0ac:
2B_hsstx_dcc_timeout            0000ffff
0x8180a0c0: 30_hsstx_tap_sign_ovrd          00000000    0x8180a0c8:
32_hsstx_seg_4x_ovrd            00000000
0x8180a0cc: 33_hsstx_seg_2x_ovrd            00000000    0x8180a0d0:
34_hsstx_seg_1x_ovrd            00000000
0x8180a0d8: 36_hsstx_tap_seg_4x_term_ovrd   00000000    0x8180a0dc:
37_hsstx_tap_seg_2x_term_ovrd   00000000
0x8180a0e0: 38_hsstx_tap_seg_1x_term_ovrd   00000000    0x8180a0ec:
3B_hsstx_mac_test_ctl5          00000000
0x8180a0f0: 3C_hsstx_mac_test_ctl4          00000000    0x8180a0f4:
3D_hsstx_mac_test_ctl3          00000000
0x8180a0f8: 3E_hsstx_mac_test_ctl2          00000000    0x8180a0fc:
3F_hsstx_mac_test_ctl1          000000c6

HSS RX registers
================
0x8180a200: 00_hssrx_cfg_mode_PHY           00009e78    0x8180a204:
01_hssrx_test_ctl               00000000
0x8180a208: 02_hssrx_phs_rot_ctl            0000cb80    0x8180a20c:
03_hssrx_phs_rot_ofs_ctl        00003610
0x8180a210: 04_hssrx_phs_rot_posn1          00003b3b    0x8180a214:
05_hssrx_phs_rot_posn2          00000028
0x8180a218: 06_hssrx_phs_rot_sta_ofs1       00000000    0x8180a21c:
07_hssrx_phs_rot_sta_ofs2       00000000
0x8180a220: 08_hssrx_dfe_ctl_PHY            00002002    0x8180a224:
09_hssrx_dfe_smpl_snap1         00000000
0x8180a228: 0A_hssrx_dfe_smpl_snap2         00008000    0x8180a22c:
0B_hssrx_vga_ctl1               000041fe
0x8180a230: 0C_hssrx_vga_ctl2               00007aa0    0x8180a234:
0D_hssrx_vga_ctl3               000009e4
0x8180a238: 0E_hssrx_pwr_mgmnt_ctl          0000001f    0x8180a23c:
0F_hssrx_iqamp_ctl1             0000001a
0x8180a240: 10_hssrx_iqamp_ctl2             00000005    0x8180a244:
11_hssrx_dacap_dacan_sel        00000003
0x8180a248: 12_hssrx_dacap_dacan            0000ffff    0x8180a24c:
13_hssrx_daca_min               00000000
0x8180a250: 14_hssrx_adac_ctl               00000000    0x8180a254:
15_hssrx_ac_cp_ctl              000031c3
0x8180a258: 16_hssrx_ac_cp_val              00000052    0x8180a25c:
17_hssrx_dfe_h1h2h3_lcl_off_ch  00000014
```

```
0x8180a260: 18_hssrx_dfe_h1h2h3_lcl_off_val 00000000    0x8180a264:
19_hssrx_peaked_intg            000000ff
0x8180a268: 1A_hssrx_cdr_analog_sw          0000ce00    0x8180a26c:
1B_hssrx_peaking_amp_init_c_PHY 00000000
0x8180a270: 1C_hssrx_dac_dpc                00000040    0x8180a274:
1D_hssrx_ddc                    00000000
0x8180a278: 1E_hssrx_int_stat_PHY           00001c0f    0x8180a27c:
1F_hssrx_dfe_func_ctl1_PHY      0000ffff
0x8180a280: 20_hssrx_dfe_func_ctl2_INV      00007ebf    0x8180a284:
21_hssrx_ofs_ch_dcc_qcc_idx     00002000
0x8180a288: 22_hssrx_dfe_ofs_val            00007a7c    0x8180a28c:
23_hssrx_h_coeff_bist           00000401
0x8180a290: 24_hssrx_ac_cap_bist            0000006b    0x8180a294:
25_hssrx_max_gain_path_idx_res  00007800
0x8180a298: 26_hssrx_loff_ctl               00000040    0x8180a29c:
27_hssrx_sigdet_ctl             00002880
0x8180a2a0: 28_hssrx_ana_ctl_sw             00000000    0x8180a2a4:
29_hssrx_intg_dac_ofs           0000dee1
0x8180a2a8: 2A_hssrx_eye_ctl                00000000    0x8180a2ac:
2B_hssrx_eye_met                00000004
0x8180a2b0: 2C_hssrx_eye_met_err_cnt        00000000    0x8180a2b4:
2D_hssrx_eye_met_pdf_eyec       00000000
0x8180a2b8: 2E_hssrx_eye_met_pat_len        0000007f    0x8180a2bc:
2F_hssrx_dfe_func_ctl3          0000dfff
0x8180a2c0: 30_hssrx_dfe_tap_ctl_idx_ptr    00000008    0x8180a2c4:
31_hssrx_dfe_tap                00003030
0x8180a2c8: 32_hssrx_lte_ctl_TUNE           00001601    0x8180a2e4:
39_hssrx_int_stat2              0000c1ff
0x8180a2e8: 3A_hssrx_ac_cpl_cur_src_adj     00000040    0x8180a2ec:
3B_hssrx_dcd_ctl                00007c45
0x8180a2f0: 3C_hssrx_dcc_ctl                00000d83    0x8180a2f4:
3D_hssrx_qcc_ctl                00006986
0x8180a2f8: 3E_hssrx_mac_test_ctl2          00000000    0x8180a2fc:
3F_hssrx_mac_test_ctl1          00000000
0x8180a248: 12_hssrx_dacap_dacan[02]                00ff ffff
0x8180a260: 18_hssrx_dfe_h1h2h3_lcl_off_va[00]      0000 0000   0000
0000   0000 0000   0000 0000
0x8180a260: 18_hssrx_dfe_h1h2h3_lcl_off_va[08]      0000 0000   0000
0000   0000 0000   0000 0000
0x8180a260: 18_hssrx_dfe_h1h2h3_lcl_off_va[16]      0000 0000   0000
0000   0000
0x8180a288: 22_hssrx_dfe_ofs_val[00][00]            7a7c 0000   0d11
7f7f   7d01 7f7f
0x8180a288: 22_hssrx_dfe_ofs_val[03][00]            047a 7f00   7f7a
0000   7d7b 0000
0x8180a288: 22_hssrx_dfe_ofs_val[06][00]            7f7f 0000   037c
7f00   0301 7f7f
0x8180a288: 22_hssrx_dfe_ofs_val[09][00]            7979 0000   037b
7f00   0708 7f7f
0x8180a288: 22_hssrx_dfe_ofs_val[12][00]            037f 0000   7903
0000   0107 007f
0x8180a288: 22_hssrx_dfe_ofs_val[15][00]            7d02 0000   7d00
0000   7b03 0000
0x8180a288: 22_hssrx_dfe_ofs_val[18][00]            7f01 0000   797c
```

```
0000   007b 0000
0x8180a288: 22_hssrx_dfe_ofs_val[21][00]           007b 0000   007b
0000   007b 0000
0x8180a288: 22_hssrx_dfe_ofs_val[24][00]           097d 7f00   7e7b
7f00   7c7d 0000
0x8180a294: 25_hssrx_max_gain_path_idx_res[00]     005e 084f   1111
1898   20d0 28a0   3089 3800
0x8180a294: 25_hssrx_max_gain_path_idx_res[08]     40b0 4890   507d
5800   6040 6800   70fe 7800
0x8180a2c4: 31_hssrx_dfe_tap[00]                   fffe 8080   0000
0000   0030 0030   3030 3030
0x8180a2c4: 31_hssrx_dfe_tap[08]                   3030 3030   3030
0000
0x8180a2e8: 3A_hssrx_ac_cpl_cur_src_adj[00]        0040 0040   0040
0040
0x8180a2ec: 3B_hssrx_dcd_ctl[00]                   7c45 5c00   7c83
5c00   7c81
0x8180a2f0: 3C_hssrx_dcc_ctl[00]                   0d83 0d00   0d43
0d42
0x8180a2f4: 3D_hssrx_qcc_ctl[00]                   698b 6986

xfipcs, fec, aec, & aet registers
=================================
0x81c60400: xfipcs_reg              [00] 00002040 00000080 00000000
00000000    00000001 00000008 00000000 00000000
0x81c60420: xfipcs_reg              [08] 00008c01 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c60440: xfipcs_reg              [16] 00000000 00000000 00000000
00000000    00000040 00000000 00000000 00000000
0x81c60460: xfipcs_reg              [24] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c60480: xfipcs_reg              [32] 00000004 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c60620: fec_32g_128g_reg        [08] 00000000 00000000 00000000
00000000    00000000 00000000 00000000
0x81c60648: fec_32g_128g_reg        [18] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c60a00: aec_reg                 [00] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c60c00: aet_reg                 [00] 00000000 00000000 00000000
00000000    00000000

bbc registers
=============
0x81c61800: bbc_trc                 0    0    0    0    0    0    0
0
0x81c61840: bbc_trc                 0    0    0    0    0    0    0
0
0x81c61880: bbc_trc                 0    0    0    0    0    0    0
0
0x81c618c0: bbc_trc                 0    0    0    0    0    0    0
0
0x81c61900: bbc_trc                 0    0    0    0    0    0    0
0
```

```
0x81c61804: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c61844: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c61884: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c618c4: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c61904: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c61a00: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c61a20: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c61a40: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c61a60: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c61a80: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c61c00: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c61c20: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c61c40: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c61c60: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c61c80: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c61d00: bbc_fbpc                00000000    0x81c61d04: bbc_csc
00000000
0x81c61d08: bbc_rcc_inc             00000000    0x81c61d0c:
bbc_rqc_inc             00000000
0x81c61d10: bbc_fbpc_inc            00000000    0x81c61d14:
bbc_tmc_inc             00000000
0x81c61d18: bbc_threshold           00080100    0x81c61d1c:
bbc_counter_clr         00000000
0x81c61d20: bbc_debug_en            00000000    0x81c61d24: bbc_ctrl
00200020
0x81c61d28: bbc_rqc_rcc_thresh      00000055    0x81c61d34:
bbc_bb_sc_n             00000000
0x81c61d38: bbc_crd_reco_debug      00000000    0x81c61d3c:
bbc_crd_reco_debug_data 00000000
0x81c61d40: bbc_multi_frm_loss_cnt  00000000    0x81c61d44:
bbc_multi_rdy_loss_cnt  00000000
0x81c61d48: bbc_1frm_loss_recov_cnt 00000000    0x81c61d4c:
bbc_1rdy_loss_recov_cnt 00000000
0x81c61d58: bbc_int_status          00000000    0x81c61d5c:
bbc_int_set             00000000
0x81c61d60: bbc_int_first           00000000    0x81c61d64:
bbc_frm_rdy_rx_err_addr 00000000
0x81c61d68: bbc_frm_rdy_tx_err_addr 00000000    0x81c61d6c:
bbc_trc_mbc_err_addr    00000000
```

```
0x81c61d70: bbc_frm_rdy_rx_dbl_ecc  00000000    0x81c61d74:
bbc_frm_rdy_tx_dbl_ecc  00000000
0x81c61d78: bbc_trc_mbc_dbl_ecc     00000000
0x81c61d7c: bbc_fsm_status          00001011    0x81c61d80:
bbc_force_err           00000000
0x81c61d84: bbc_crdt_avail0         ffffffff    0x81c61d88:
bbc_crdt_avail1         000000ff
0x81c61d8c: bbc_scratch             00000000

FPS registers
=============
0x81c60004: fps_er_enc_in           00000000    0x81c60008:
fps_er_crc              00000000
0x81c6000c: fps_er_trunc            00000000    0x81c60010:
fps_er_toolong          00000000
0x81c60014: fps_er_bad_eof          00000000    0x81c60018:
fps_er_enc_out          00000000
0x81c6001c: fps_er_bad_os           00000000    0x81c60020:
fps_er_flush            00000000
0x81c60024: fps_er_ifg              00000000    0x81c60038:
fps_er_crc_good_eof     00000000
0x81c6003c: fps_inv_arb             00000000    0x81c60040:
fps_slow_sts_status     00000000
0x81c60044: fps_tx_frm_cnt          00000000    0x81c60048:
fps_rx_frm_cnt          00000000
0x81c60050: fps_tx_word_cnt_hi      00000000    0x81c6004c:
fps_tx_word_cnt_lo      00000000
0x81c60058: fps_rx_word_cnt_hi      00000000    0x81c60054:
fps_rx_word_cnt_lo      00000000

BAL registers
=============
0x81c67000: bal_desired_buf         00000000    0x81c67004:
bal_alloc_buf           00000000
0x81c67008: bal_busy_buf            00000000    0x81c6700c:
bal_usable_buf          00000000
0x81c67010: bal_max_bor_buf         00000000
0x81c67014: bal_busy_buf_thresh     00000002

TXQ registers
=============
0x81c63004: txq_phys_port_ctl       00440000
0x81c63050: txq_link_skew           00000000
0x81c63068: txq_cr_lk_dttn_intr_sts [00] 00000000 00000000
0x81c63070: txq_cr_lk_dttn_intr_en  [00] 00000000 00000000
0x81c63024: txq_disc_frm_trap_cnt   00000014

FDS registers
=============
0x81c64000: fds_rxf_ctl             00000002    0x81c64004:
fds_rxf_wait_thresh     00000909
0x81c64018: fds_rxf_first_error     00000000    0x81c6401c:
fds_rxf_first_error_info00000000
0x81c64020: fds_rxf_inout_pkt_cnt   00000000
```

```
0x81c64008: fds_rxf_err_int_status  00000000    0x81c64024:
fds_rxf_fifo_status     00888888
0x81c65000: fds_txf_ctl             0000003a    0x81c65004:
fds_txf_wait_ifg_thresh 00a00106
0x81c65008: fds_txf_err_int_status  00000000    0x81c65024:
fds_txf_fifo_status     00088888
0x81c6502c: fds_txf_bbc_scs         00000000

Logical TXQ registers
=====================
0x81c63000: txq_log_port_ctl        00000002    0x81c63008:
txq_port_status         00000000
0x81c6300c: txq_todo_flags          [00] 00000000 00000000
0x81c63014: txq_spd_match_desc      [00] 00000000 00000000 00000000
00000000
0x81c63024: txq_spd_match_desc      [04] 00000014
0x81c63028: txq_vc_weight           [00] 01010101 01010101 01010101
01010101
0x81c63038: txq_vc_weight           [04] 01010101 01010101 01010101
01010101
0x81c63048: txq_vc_weight           [08] 01010101 00010101
0x81c63054: txq_cong_dttn_ctrl      00000000
0x81c63058: txq_cong_dttn_intr_sts  [00] 00000000 00000000
0x81c63060: txq_cong_dttn_intr_en   [00] 00000000 00000000
0x81c63078: txq_bw_limit_en_reg     [00] 00000000 00000000
0x81c63080: txq_bw_gua_en_reg       [00] 00000000 00000000
0x81c63088: txq_vc_group            [00] 03030300 03030303 03030303
03030303
0x81c63098: txq_vc_group            [04] 03030303 03030303 03030303
03030303
0x81c630a8: txq_vc_group            [08] 03030303 03030303 00000000
00000000
0x81c630b0: txq_bw_thresh_group     [00] 00000000 00000000 00000000
00000000
0x81c630c0: txq_bw_thresh_group     [04] 00000000 00000000 00000000
00000000
0x81c630d0: txq_bw_thresh_group     [08] 00000000 00000000 00000000
00000000
0x81c630e0: txq_bw_thresh_group     [12] 00000000 00000000 00000000
00000000
0x81c630f0: txq_bw_thresh_group     [16] 00000000 00000000 00000000
00000000
0x81c63100: txq_bw_thresh_group     [20] 00000000 00000000 00000000
00000000
0x81c63110: txq_bw_thresh_group     [24] 00000000 00000000 00000000
00000000
0x81c63120: txq_bw_thresh_group     [28] 00000000 00000000 00000000
00000000
0x81c63130: txq_bw_thresh_group     [32] 00000000 00000000 00000000
00000000
0x81c63140: txq_bw_thresh_group     [36] 00000000 00000000 00000000
00000000

txq Congestion detection Statistics RAM
```

```
=====================================
0x81090780: vc[0]       00000000        0x81090784: vc[1]
00000000
0x81090788: vc[2]       00000000        0x8109078c: vc[3]
00000000
0x81090790: vc[4]       00000000        0x81090794: vc[5]
00000000
0x81090798: vc[6]       00000000        0x8109079c: vc[7]
00000000
0x810907a0: vc[8]       00000000        0x810907a4: vc[9]
00000000
0x810907a8: vc[10]      00000000        0x810907ac: vc[11]
00000000
0x810907b0: vc[12]      00000000        0x810907b4: vc[13]
00000000
0x810907b8: vc[14]      00000000        0x810907bc: vc[15]
00000000
0x810907c0: vc[16]      00000000        0x810907c4: vc[17]
00000000
0x810907c8: vc[18]      00000000        0x810907cc: vc[19]
00000000
0x810907d0: vc[20]      00000000        0x810907d4: vc[21]
00000000
0x810907d8: vc[22]      00000000        0x810907dc: vc[23]
00000000
0x810907e0: vc[24]      00000000        0x810907e4: vc[25]
00000000
0x810907e8: vc[26]      00000000        0x810907ec: vc[27]
00000000
0x810907f0: vc[28]      00000000        0x810907f4: vc[29]
00000000
0x810907f8: vc[30]      00000000        0x810907fc: vc[31]
00000000
0x81090800: vc[32]      00000000        0x81090804: vc[33]
00000000
0x81090808: vc[34]      00000000        0x8109080c: vc[35]
00000000
0x81090810: vc[36]      00000000        0x81090814: vc[37]
00000000
0x81090818: vc[38]      00000000        0x8109081c: vc[39]
00000000


Logical STS registers
=====================
0x81584984: sts_ftb_type1_miss      00000000
0x81584988: sts_ftb_type2_miss      00000000
0x8158498c: sts_ftb_type6_miss      00000000
0x81584990: sts_hard_zoning_miss    00000000
0x81584994: sts_lun_zoning_miss     00000000
0x8158499c: sts_unroutable          00000000
0x815819b4: sts_rte_cl2             00000000    0x815819b8:
sts_rte_cl3             00000000        0x815819bc: sts_rte_link_ctl
00000000        0x815849a8: sts_tx_timeout          00000000
```

```
Logical STS filter registers
====================
0x81584900: sts_flt_trig            [00] 00000000 00000000 00000000
00000000
0x81584910: sts_flt_trig            [04] 00000000 00000000 00000000
00000000
0x81584920: sts_flt_trig            [08] 00000000 00000000 00000000
00000000
0x81584930: sts_flt_trig            [12] 00000000 00000000 00000000
00000000
0x81584940: sts_flt_trig            [16] 00000000 00000000 00000000
00000000
0x81584950: sts_flt_trig            [20] 00000000 00000000 00000000
00000000
0x81584960: sts_flt_trig            [24] 00000000 00000000 00000000
00000000
0x81584970: sts_flt_trig            [28] 00000000 00000000 00000000
00000000
0x81584980: sts_flt_trig            [32]

Logical STS discard registers
====================
0x81582170: disc_mcast_wka          00000000    0x81582174:
disc_inv_did            00000000
0x81582178: disc_cl1_cl4            00000000    0x8158217c:
disc_sid_chk_fail       00000000
0x81582180: disc_inv_dom_egid_txpt  00000000    0x81582184:
disc_vft_hop_cnt_1      00000000
0x81582188: disc_classf             00000000    0x8158218c:
disc_fcp_cdb_inv        00000000
0x81582190: disc_vfid_trap_enabled  00000000    0x81582194:
disc_vfid_hdr_chk_fail  00000000
0x81582198: disc_shim_cksum_fail    00000000    0x8158219c:
disc_fed_edit_cmd_err   00000000
0x815821a0: disc_ftb_vm_mode        00000000    0x815821a4:
disc_ftb_agn_t2_miss    00000000
0x815821a8: disc_ecb_reserved       00000000    0x815821ac:
disc_ecb_de_pad_err     00000000
0x815821b0: disc_ecb_de_tag_err     00000000    0x815821b4:
disc_ecb_de_seq_err     00000000
0x815821b8: disc_ecb_err            00000000    0x815821bc:
disc_ftb_type4_match    00000000
0x815821c0: disc_fcp_rsp_ftb_type4  00000000    0x815821c4:
disc_ftb_type5_match    00000000
0x815821c8: disc_ftb_type3_match    00000000    0x815821cc:
disc_els_ftb_type3      00000000
0x815821d0: disc_ftb_type1_match    00000000    0x815821d4:
disc_els_rsp_ex_port    00000000
0x815821d8: disc_inv_drp_dps        00000000    0x815821dc:
disc_did_lookup_miss    00000000
0x815821e0: disc_ftb_type2_match    00000000    0x815821e4:
disc_trpd_plogi_pdisc   00000000
0x815821e8: disc_type2_lookup_miss  00000000    0x815821ec:
```

```
disc_ftb_type6_match    00000000
0x815821f0: disc_els_rep_ex_port    00000000    0x815821f4:
disc_els_sid_lkup_bit1  00000000
0x815821f8: disc_els_sid_lkup_bit0  00000000    0x815821fc:
disc_bls_frm_trap_bit1  00000000
0x81582200: disc_ftb_token_err      00000000    0x81582204:
disc_asic_internal_err  00000000
0x81582208: disc_hard_zone_miss     00000000    0x8158220c:
disc_lun_zone_miss      00000000
0x81582210: disc_flt_frame_disc     00000000    0x81582214:
disc_flt_parity_err     00000000
0x81582218: disc_frame_marked_du    00000000    0x8158221c:
disc_frame_marked_to    00000000
0x81582220: disc_lkup_rte_prty_err  00000000


portstatsshow 52
stat_wtx                0                   4-byte words transmitted
stat_wrx                0                   4-byte words received
stat_ftx                0                   Frames transmitted
stat_frx                0                   Frames received
stat_c2_frx             0                   Class 2 frames received
stat_c3_frx             0                   Class 3 frames received
stat_lc_rx              0                   Link control frames
received
stat_mc_rx              0                   Multicast frames
received
stat_mc_to              0                   Multicast timeouts
stat_mc_tx              0                   Multicast frames
transmitted
tim_txcrd_z             0                   Time TX Credit Zero
(2.5Us ticks)
tim_txcrd_z_vc  0- 3:  0           0           0           0
tim_txcrd_z_vc  4- 7:  0           0           0           0
tim_txcrd_z_vc  8-11:  0           0           0           0
tim_txcrd_z_vc 12-15:  0           0           0           0
lat_tot_pkt_vc  0- 3:  1           1           1           1
lat_tot_pkt_vc  4- 7:  1           1           1           1
lat_tot_pkt_vc  8-11:  1           1           1           1
lat_tot_pkt_vc 12-15:  1           1           1           1
lat_hi_time_vc  0- 3:  0           0           0           0
lat_hi_time_vc  4- 7:  0           0           0           0
lat_hi_time_vc  8-11:  0           0           0           0
lat_hi_time_vc 12-15:  0           0           0           0
lat_lo_time_vc  0- 3:  1           1           1           1
lat_lo_time_vc  4- 7:  1           1           1           1
lat_lo_time_vc  8-11:  1           1           1           1
lat_lo_time_vc 12-15:  1           1           1           1
max_latency_vc  0- 3:  1           1           1           1
max_latency_vc  4- 7:  1           1           1           1
max_latency_vc  8-11:  1           1           1           1
max_latency_vc 12-15:  1           1           1           1
latency_dma_ts          09-09-2024 UTC Mon 08:47:25            TXQ
Latency DMA TimeStamp
```

```
fec_cor_detected        0                   Count of blocks that
were corrected by FEC
fec_uncor_detected      0                   Count of blocks that
were left uncorrected by FEC
er_enc_in               0                   Encoding errors inside
of frames
er_crc                  0                   Frames with CRC errors
er_trunc                0                   Frames shorter than
minimum
er_toolong              0                   Frames longer than
maximum
er_bad_eof              0                   Frames with bad end-of-
frame
er_enc_out              0                   Encoding error outside
of frames
er_bad_os               0                   Invalid ordered set
er_pcs_blk              0                   PCS block errors
er_rx_c3_timeout        0                   Class 3 receive frames
discarded due to timeout
er_tx_c3_timeout        0                   Class 3 transmit frames
discarded due to timeout
er_unroutable           0                   Frames that are
unroutable
er_unreachable          0                   Frame with unreachable
destination
er_other_discard        0                   Other discards
er_type1_miss           0                   frames with FTB type 1
miss
er_type2_miss           0                   frames with FTB type 2
miss
er_type6_miss           0                   frames with FTB type 6
miss
er_zone_miss            0                   frames with hard zoning
miss
er_lun_zone_miss        0                   frames with LUN zoning
miss
er_crc_good_eof         0                   Crc error with good eof
er_inv_arb              0                   Invalid ARB
er_single_credit_loss   0                   Single vcrdy/frame loss
on link
er_multi_credit_loss    0                   Multiple vcrdy/frame
loss on link
other_credit_loss       0                   Link timeout/complete
credit loss
phy_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
phy_port stats clear
lgc_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
lgc_port stats clear
fec_corrected_rate      0                   FEC Corrected blocks per
second

portstats64show 52
stat64_wtx      0           top_int : 4-byte words transmitted
                0           bottom_int : 4-byte words transmitted
```

```
stat64_wrx      0           top_int : 4-byte words received
                0           bottom_int : 4-byte words received
stat64_ftx      0           top_int : Frames transmitted
                0           bottom_int : Frames transmitted
stat64_frx      0           top_int : Frames received
                0           bottom_int : Frames received
stat64_c2_frx   0           top_int : Class 2 frames received
                0           bottom_int : Class 2 frames received
stat64_c3_frx   0           top_int : Class 3 frames received
                0           bottom_int : Class 3 frames received
stat64_lc_rx    0           top_int : Link control frames received
                0           bottom_int : Link control frames
received
stat64_mc_rx    0           top_int : Multicast frames received
                0           bottom_int : Multicast frames received
stat64_mc_to    0           top_int : Multicast timeouts
                0           bottom_int : Multicast timeouts
stat64_mc_tx    0           top_int : Multicast frames transmitted
                0           bottom_int : Multicast frames
transmitted
tim64_rdy_pri   0           top_int : Time R_RDY high priority
                0           bottom_int : Time R_RDY high priority
tim64_txcrd_z   0           top_int : Time BB_credit zero
                0           bottom_int : Time BB_credit zero
er64_enc_in     0           top_int : Encoding errors inside of
frames
                0           bottom_int : Encoding errors inside of
frames
er64_crc        0           top_int : Frames with CRC errors
                0           bottom_int : Frames with CRC errors
er64_trunc      0           top_int : Frames shorter than minimum
                0           bottom_int : Frames shorter than minimum
er64_toolong    0           top_int : Frames longer than maximum
                0           bottom_int : Frames longer than maximum
er64_bad_eof    0           top_int : Frames with bad end-of-frame
                0           bottom_int : Frames with bad end-of-
frame
er64_enc_out    0           top_int : Encoding error outside of
frames
                0           bottom_int : Encoding error outside of
frames
er64_disc_c3    0           top_int : Class 3 frames discarded
                0           bottom_int : Class 3 frames discarded
er64_pcs_blk    0           top_int : PCS block errors
                0           bottom_int : PCS block errors
stat64_rateTxFrame      0           Tx frame rate (fr/sec)
stat64_rateRxFrame      0           Rx frame rate (fr/sec)
stat64_rateTxPeakFrame  0           Tx peak frame rate (fr/sec)
stat64_rateRxPeakFrame  0           Rx peak frame rate (fr/sec)
stat64_rateTxWord       0           Tx Word rate (words/sec)
stat64_rateRxWord       0           Rx Word rate (words/sec)
stat64_rateTxPeakWord   0           Tx peak Word rate (words/sec)
stat64_rateRxPeakWord   0           Rx peak Word rate (words/sec)
stat64_PRJTFrames       0           top_int : Number of PRJT frames
```

```
returned to this port
                        0           bottom_int : Number of PRJT
frames returned to this port
stat64_PBSYFrames       0           top_int : Number of PBSY frames
returned to this port
                        0           bottom_int : Number of PBSY
frames returned to this port
stat64_inputBuffersFull 0           top_int : Number of occurrences
when all input buffers full
                        0           bottom_int : Number of
occurrences when all input buffers full
stat64_rxClass1Frames   0           top_int : Number of class 1
frames received
                        0           bottom_int : Number of class 1
frames received
stat64_aveTxFrameSize   0           Average Tx Frame size
stat64_aveRxFrameSize   0           Average Rx Frame size
Lr_in           0           top_int
                0           bottom_int
Ols_in          0           top_int
                0           bottom_int
Lr_out          0           top_int
                0           bottom_int
Ols_out         0           top_int
                0           bottom_int
Link_failure    0           top_int
                0           bottom_int
Invalid_CRC     0           top_int
                0           bottom_int
Invalid_word    0           top_int
                0           bottom_int
Protocol_err    0           top_int
                0           bottom_int
Loss_of_sig     0           top_int
                0           bottom_int
Loss_of_sync    0           top_int
                0           bottom_int
er_bad_os       0           top_int : Invalid ordered set
                0           bottom_int: Invalid ordered set


portrouteshow 52
port address ID: 0x013400
external unicast routing table:
   0: Embedded
 255: Embedded
internal unicast routing table:
   0: Embedded

portcamshow 52
-------------------------------------------------
Port  SID used  DID used  SID entries  DID entries
52     0         0         000000       000000
-------------------------------------------------
```

```
ptbufshow, ptcreditshow, ptdatashow, ptstatsshow 52
S:
S:VF Enable:            1
S:
S:C4 Global Variable:
S:-------------------------------------------------------------------
---------
S:trace_stop:           0
S:
S:C4 Phy Data Pointers: c4_phyp = 0xb6acb0c0
S:-------------------------------------------------------------------
---------
S:tnodep                        0xbb838d20      pt
        0x4302800c
S:proto_phyp            0xb8808240      phy_cfg
0xb6acc100
S:c4_chp                        0x97e28000      c4_lgcp
0x97f78000
S:c4_phy_regp           0x81c60000      proc_dir
0xb8517140
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4345678      num_port_timer          12
S:prev_if_id            0x4302000c      S:ftx                   0
        tov                     0
S:initialized           0               port_idx                12
S:ui_idx                        52              slot_no
        0
S:blade_idx             12              sw_usr_ports            400
S:unused                        0               intr_debounced
        0
S:aec_status            0x0             reason_code
        0
S:debug                 0x00000004      debug_trc_line          0
S:rxbuf_list_head       0xffffffff      rxbuf_list_tail
0xffffffff
S:isAePort                      0               port_misc_data
                0
S:num_fault1_rx_disc    0               num_fault2_rx_disc      0
S:p_lli_cause0          0               p_sig_regained          0
S:p_sync_regained               0               enc_out
        0x0
S:cached_fps_status     0               cached_sts_status       0
S:cached_er_crc_good_eof        0
S:cached_er_bad_os      0               cached_er_too_long      0
S:cached_er_trunc       0
cached_tot_er_crc_good_eof      0
S:num_pt_excess_intr    0               num_no_fid              0
S:num_fault1_cnt                0               num_fault2_cnt
        0
S:num_fault_lip         0               num_fault_lli           0
S:num_fault_rx_fifo     0               num_fault_hss           0
S:num_fault_bwait               0               lli_intr_prim
```

```
        0
S:num_sw_link_to                0
be_link_err_mon_count           0
S:ecb_enc_enabled               0               ecb_comp_enabled
                0
S:ecb_rsv_enc           0               ecb_rsv_comp            0
S:ecb_enc_bm            0x0             ecb_key_index
0xffffffff
S:fab_idx               4
S:num_be_lto            0               lto_count_reset_intvl
        0
S:lr_count_reset_intvl          0               num_be_lr
        0
S:num_fault_qsfp                0               check_lto
        0
S:credit_loaded         0               num_credit_overrun
        0
S:fec_enabled           0x0             fec_los_to_flag         0x0
S:phy_stats_clear_ts            1725611419      pcs_err_online
        0
S:pcs_err_light_det             0               pcs_err_ignore
        0
S:pcs_blk_err           0               pcs_hiber               0
S:phy_port_status               0               ecb_enc_lr_count
                0
S:dport_mode            0               avoid_lto_det           0
S:sn_debounced          0x0             sn_started_kr_reqd      0
S:major_timer_started   0x0             ready_bm                0x0
S:parln_1_bm            0x0             parln_0_bm              0x0
S:be_los_of_sync_event_intvl            0
be_los_of_sync_event            0
S:erratePtenable_cntr           0               errataPoll_cntr
        0
S:jda_rx_sig_loss_det           0               jda_rx_sig_loss_cnt
                0
S:encrypt_blk_error             0
S:
S:      c4_trunk
S:=======================================
S:mark_ts               0x0             deskew                  0x0
S:master_phyp           0x0
S:
S:adelay[00]: 0x00000000 0x00000000 0x00000000 0x00000000
S:adelay[04]: 0x00000000 0x00000000 0x00000000 0x00000000
S:
S:      c4_buf
S:=======================================
S:tx_csc                        0               rx_csc
        0
S:ld_vc_credits         0               tx_flag                 0x0
S:alloc_buffers         0               req_buffers             0
S:est_buffers           20              ld_use_est              0
S:bb_sc_n                       0               rx_bb_sc_n
        0
```

```
S:data_cr                       5               nondata_cr
        6
S:cr_enable             0
S:ld_nondata_cr         6               tnodep
0xbb838e00
S:tx_credits[0] 0    0    0    0    0    0    0    0
S:tx_credits[8] 0    0    0    0    0    0    0    0
S:tx_credits[16]        0    0    0    0    0    0    0    0
S:tx_credits[24]        0    0    0    0    0    0    0    0
S:tx_credits[32]        0    0    0    0    0    0    0    0
S:rx_credits[0] 0    0    0    0    0    0    0    0
S:rx_credits[8] 0    0    0    0    0    0    0    0
S:rx_credits[16]        0    0    0    0    0    0    0    0
S:rx_credits[24]        0    0    0    0    0    0    0    0
S:rx_credits[32]        0    0    0    0    0    0    0    0
S:tx_mbc[0]     0    0    0    0    0    0    0    0
S:tx_mbc[8]     0    0    0    0    0    0    0    0
S:tx_mbc[16]    0    0    0    0    0    0    0    0
S:tx_mbc[24]    0    0    0    0    0    0    0    0
S:tx_mbc[32]    0    0    0    0    0    0    0    0
S:rx_mbc[0]     0    0    0    0    0    0    0    0
S:rx_mbc[8]     0    0    0    0    0    0    0    0
S:rx_mbc[16]    0    0    0    0    0    0    0    0
S:rx_mbc[24]    0    0    0    0    0    0    0    0
S:rx_mbc[32]    0    0    0    0    0    0    0    0
S:
S:C4 Chip Variables: c4_phyp->c4_chp = 0x97e28000
S:-------------------------------------------------------------------
---------
S:version = 2.1
S:magic_id              0xc4234567      init_state              0x8
S:reset_reg_mem         0x1
S:ch_int0_en_bm         0x0             intr0_cause             0x0
S:ch_int1_en_bm         0x0             intr1_cause             0x0
S:ch_int2_en_bm         0x0             intr2_cause             0x0
S:ch                    0x43010080      ch_cfg
0xb7013ba0
S:raslog_hndl.hndl      0x0             obj_halted              0x0
S:c4_chip_regp          0x80000000      c4_fpg_regp
0x81800000
S:num_chip_timer        0x5
S:hi_task_bm            0x0             lo_task_bm              0x0
S:c4_deferq.q_head      0x0             c4_deferq.q_tail        0x0
S:c4_tmrq.q_head        0x0             c4_tmrq.q_tail          0x0
slot_no                 0
S:chip_inst             0               chip_idx                0
S:pll_initialized               1
pll_serdes_initialized  1
S:init_tries            0               init_ptEnableBM
0xba01b488
S:tick_polling          0xb980c9c0      sec_polling
0xb980c960
S:bb_fid                        129
S:ecb_key_bm[0]         0x0             ecb_key_bm[1]           0x0
```

```
S:ecb_key_bm[2]         0x0             ecb_key_bm[3]           0x0
S:is_chip_enc_enabled                   0
is_chip_comp_enabled    0x0
S:ftb_rsrcp->ftb_flags  0x0             act_rsrcp->act_flag     0x1
S:lue_rsrcp->lue_flags[0]       0x0             lue_rsrcp-
>lue_flags[1]   0x0
S:c4_phyp[00]: 0xb6ab0000 0xb6ab2080 0xb6ab4100 0xb6ab6180
S:c4_phyp[04]: 0xb6ab9040 0xb6abb0c0 0xb6abd140 0xb6ac0000
S:c4_phyp[08]: 0xb6ac2080 0xb6ac4100 0xb6ac6180 0xb6ac9040
S:c4_phyp[12]: 0xb6acb0c0 0xb6acd140 0xb6ad0000 0xb6ad2080
S:c4_phyp[16]: 0xb6ad4100 0xb6ad6180 0xb6ad9040 0xb6adb0c0
S:c4_phyp[20]: 0xb6add140 0xb6ae0000 0xb6ae2080 0xb6ae4100
S:c4_phyp[24]: 0xb6ae6180 0xb6ae9040 0xb6aeb0c0 0xb6aed140
S:c4_phyp[28]: 0xb6af0000 0xb6af2080 0xb6af4100 0xb6af6180
S:c4_phyp[32]: 0xb6af9040 0xb6afb0c0 0xb6afd140 0xb6b00000
S:c4_phyp[36]: 0xb6b02080 0xb6b04100 0xb6b06180 0xb6b09040
S:c4_phyp[40]: 0xb6b0b0c0 0xb6b0d140 0xb6b10000 0xb6b12080
S:c4_phyp[44]: 0xb6b14100 0xb6b16180 0xb6b19040 0xb6b1b0c0
S:c4_phyp[48]: 0xb6b1d140 0xb6b20000 0xb6b22080 0xb6b24100
S:c4_phyp[52]: 0xb6b26180 0xb6b29040 0xb6b2b0c0 0xb6b2d140
S:c4_phyp[56]: 0xb6b30000 0xb6b32080 0xb6b34100 0xb6b36180
S:c4_phyp[60]: 0xb6b39040 0xb6b3b0c0 0xb6b3d140 0xb6b40000
S:c4_lgcp[00]: 0x97f48000 0x97f4c000 0x97f50000 0x97f54000
S:c4_lgcp[04]: 0x97f58000 0x97f5c000 0x97f60000 0x97f64000
S:c4_lgcp[08]: 0x97f68000 0x97f6c000 0x97f70000 0x97f74000
S:c4_lgcp[12]: 0x97f78000 0x97f7c000 0x97f80000 0x97f84000
S:c4_lgcp[16]: 0x97f88000 0x97f8c000 0x97f90000 0x97f94000
S:c4_lgcp[20]: 0x97f98000 0x97f9c000 0x97fa0000 0x97fa4000
S:c4_lgcp[24]: 0x97fa8000 0x97fac000 0x97fb0000 0x97fb4000
S:c4_lgcp[28]: 0x97fb8000 0x97fbc000 0x97fc0000 0x97fc4000
S:c4_lgcp[32]: 0x97fc8000 0x97fcc000 0x97fd0000 0x97fd4000
S:c4_lgcp[36]: 0x97fd8000 0x97fdc000 0x97fe0000 0x97fe4000
S:c4_lgcp[40]: 0x97fe8000 0x97fec000 0x97ff0000 0x97ff4000
S:c4_lgcp[44]: 0x97ff8000 0x97ffc000 0x8e000000 0x8e004000
S:c4_lgcp[48]: 0x8e008000 0x8e00c000 0x8e010000 0x8e014000
S:c4_lgcp[52]: 0x8e018000 0x8e01c000 0x8e020000 0x8e024000
S:c4_lgcp[56]: 0x8e028000 0x8e02c000 0x8e030000 0x8e034000
S:c4_lgcp[60]: 0x8e038000 0x8e03c000 0x8e040000 0x8e044000
S:chip_timers[00]: 0xb980c720 0xb980c780 0xb980c7e0 0xb980c840
S:chip_timers[04]: 0xb980c8a0 0xb980c900
S:disc_trap_enable_required     0x0             rxlp_disc_log_stop
       0x0
S:curr_rxlp_frm_cnt     0x0             curr_rxlp_disc_frm_cnt  0x0
S:sw_disc_frm_cnt       0x0             last_disc_frm_cnt       0x0
S:txq_nopop_pr_cnt      0x0             pollErrataDfe_ptBM
0xba01b4b0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][0]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][1]  0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][2]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][0] 0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][1]       0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][2] 0x0
S:
S:C4 Logical Port Variables
```

```
S:-------------------------------------------------------------------
---------
S:c4_lgc_regp           0x81c60000
S:c4_phyp:
S:      0xb6acb0c0      0x0             0x0             0x0

S:      0x0             0x0             0x0             0x0

S:master_phyp           0xb6acb0c0      if_id
0x4302000c
S:min_phyp              0x0             max_phyp                0x0
S:num_phy_ports         1               lgc_num                 12
S:num_iu_to             0               sw_txq_bm
        0
S:port_fid              129             unused                  0
S:port_group            1               lgc_stats_clear_ts
                1725611419
S:domain_tbl_sel                0               area_tbl_sel
        0
S:egid_tbl_sel          0
S:serv_lo_bm            0x0
S:
S:Proto Phy Variables:
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4123456      asic_phyp
0xb6acb0c0
S:port_id                       0x4302800c      phy_cfg
        0xb6acc100
S:upsm_hdl              0xb8013320      physm_hdl
0xb80130a0
S:ov_snsm_hdl           0xb8012f00      sw_snsm_hdl
0xb8013000
S:ov_lksm_hdl           0xb8013140      sw_lksm_hdl
0xb80131e0
S:trksm_hdl             0xb8013280      lr_flag         0x0
S:lr_active             0x0             qsfp_txrx_rate_sel
        0x0
S:
S:UPSM      UP00: UPST_PORT_DISABLED    --> UP00: UPST_PORT_DISABLED
S:SNSM(OV)  SN00: OV_SNST_STOPPED       --> SN00: OV_SNST_STOPPED
S:SNSM(SW)  SW00: SW_SNST_STAGE_WS      --> SW00: SW_SNST_STAGE_WS
S:PHYSM     PP00: PHYST_STOPPED         --> PP00: PHYST_STOPPED
S:LKSM(OV)  LK00: OV_LKST_INACTIVE      --> LK00: OV_LKST_INACTIVE
S:LKSM(SW)  SW13: INACTIVE              --> SW13: INACTIVE
S:TRKSM     TRK0: TRKST_INIT            --> TRK0: TRKST_INIT
S:
S:physm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8808240      physm_hdl
0xb80130a0
S:force_offline         0               copper                  0
S:fault_reason          0: UNKNOWN
```

```
S:phy_media_present             0
S:
S:snsm variables:
S:-------------------------------------------------------------------
---------
S:speed                 0xff            proto_phyp
0xb8808240
S:hw_sn_tries_left      0x0             sw_sn_tries_left        0x0
S:curr_txsp_count               0x0
S:tx_max                        0x0             curr_tx_indx
        0x0
S:curr_tx                       0x0             curr_rxsp_count
        0x0
S:rx_max                        0x0             curr_rx_indx
        0x0
S:curr_rx                       0x0             rx_mem
        0x0
S:rxsp_rec_count                0x0
S:nc_start              0x0             tx_start                0x0
S:sync_start            0x0             sync_present            0x0
S:diag_auto             0x0             diag_speed              0xff
S:striped_wd_tov                3000            hw_wd_tov
        3000
S:step                  0x0             qsfp28_speed_mode
        0x0
S:qsfp_mode0_hw_sn_tries_left           0x0
S:qsfp_mode1_hw_sn_tries_left           0x0
S:
S:lksm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8808240      ov_lksm_hdl
0xb8013140
sw_lksm_hdl             0xb80131e0
num_lf1                 0
S:hw_link_tries_left    0               sw_link_tries_left      0
S:buf_ptype             0x0             stored_entry_state      0x6
S:handshake_owner               0x0             mark_unsent
        0x0
S:busybuf_stuck         0x0             lr_wait                 0x0
S:
S:trksm variables:
S:-------------------------------------------------------------------
---------
S:Not a trunk port
S:
S:upsm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8808240      upsm_hdl
0xb8013320
S:bb_credits            0               port_beacon             0
S:port_diag_flag                0               force_offline
        0
```

```
S:port_fault_rsn                0: PORT_NO_FAULT
S:retry_init_rsn                0: UNKNOWN
S:linit_reason          0               linit_result            0
S:ie_fctl_mode          0               fec_in_sync_tries_left  0
S:retry_sn_fail_init    0
retry_link_fail_init    0
S:excess_lr_count       0
S:
S:c4_ch_cfg
S:-------------------------------------------------------------------
---------
S:c4_desc_ring_size     256      292      256      256      292
292      2        292      292
S:thresh_def            0        16       1        0
S:intr_tries            500             cmem_pattern
0xdeadbeef
S:cmem_pattern_upwd     2               cmem_init_time          16
S:cmem_init_tries               5
S:ctrl_par_thresh               2               data_par_thresh
        4
S:cam_par_thresh                4               buf_loss_thresh
        12
S:crit_par_thresh               2               non_crit_par_thresh
        6
S:pci_abort_thresh      10              pci_err_thresh          5
S:excess_chintr_thresh  8               sw_err_thresh           20
S:err_sample_period     300             intr_sleep
20000
S:frame_timeout 2500            proxy_dev               16384
S:vf_route      81920           qos             2048
S:stats 2048            f_redirect              2048
S:rsp_trap      2048            lun_zoning              20480
S:area_mode     0               ftb_max_loop[0]         0
S:ftb_max_loop[1]       6               ftb_max_loop[2]         9
S:ftb_max_loop[3]       10              ftb_max_loop[4]         10
S:ftb_max_loop[5]       5               ftb_max_loop[6]         6
S:ftb_seg_size[0]       0               ftb_seg_size[1]
16384
S:ftb_seg_size[2]       65536           ftb_seg_size[3]
16384
S:ftb_seg_size[4]       16384           ftb_seg_size[5]
65536
S:ftb_seg_size[6]       16384           ftb_seg_base[0]         0
S:ftb_seg_base[1]       0               ftb_seg_base[2]
65536
S:ftb_seg_base[3]       16384           ftb_seg_base[4]
32768
S:ftb_seg_base[5]       131072          ftb_seg_base[6]
49152
asic_err_monitor_period1                300
asic_err_monitor_period2                86400
zone_chk_to_poll_period 25
zone_chk_class2_reject_tov              220
S:
```

```
S:c4_phy_cfg
S:-----------------------------------------------------------------
---------
S:version = 2.1
S:pt                    0x4302800c      fab_ptr
0x9a800000
S:fabattr                       0x9a8000d4      fab_iop
        0x9a800050
S:cfgbm                 0xbb838b64      port_ctrl
0xb6acc118
S:pcap.pcap_bm          0x8d215547      pcap.pcap2_bm
0x2588289
S:pcap.pcap3_bm         0x1bebe0c
ui_idx                  52              S:slot_no
        0
is_icl                  0               S:sw_usr_ports          400
S:neg_speed             0 0 0 0 0 0
S:my_domain             0x1             port_mode               0x0
S:hw_sn_maxtries                100             sw_sn_maxtries
        0
S:hw_link_maxtries      10              sw_link_maxtries        5
S:rx_cyc_tov            28              rttov                   300
S:bufrdy_tov            300             busybuf_tov             286
S:mark_tov              300             lksm_tov                3000
S:buf_dealloc_wait      4               hw_wd_tov               3000
S:hw_lk_train_tov               540             hw_lk_test_tov
        150
S:syswait_tx_12_lips    1               lip_rx_tov              55
S:al_time_tov           15              lp_tov                  2000
S:intr_tries_port               500             intr_mod_debounce
        250
S:intr_lsr_flt_debounce 500             intr_efifo_debounce     100
S:port_no_fid           3               excess_ptintr_thresh    8
S:port_fault1_thresh    100             port_fault1_spur_thresh 250
S:port_fault1_disc_thresh       500
port_fault1_disc_spur_thresh    1000
S:port_fault2_thresh    5               losync_tov              100
S:port_sw_link_to               15              en_8g_scramble
        1
frc_hw_sn_mode          0x1
S:enc_poll_thresh               0               fec_enable
        0
S:fec_in_sync_to                50              fec_in_sync_try_max
        4
S:port_be_lto_threshold         100             port_be_lr_threshold
                2
S:be_cr_in_sync_to              5
port_credit_overrun_thresh              10
S:jda_sfp_losig_tov             400
jda_sfp_losig_try_max           30
S:striped_wd_tov                3000
no_sync_debounce                1200
S:
S:      fab_iop
```

```
S:=======================================
S:fab_iop->interop_mode 0x0             fab_iop->lab_mode       0x0
S:fab_iop->fl_bbc               0x0             fab_iop->fl_fan
        0x0
S:fab_iop->fl_cls               0x4             fab_iop->fl_rscn
        0x0
S:fab_iop->domain_id_offset     0x60            fab_iop-
>mcdt_fabric_mode       0x0
S:fab_iop->mcdt_default_zone            0x0             fab_iop-
>mcdt_safe_zone         0x0
S:
S:      port_ctrl
S:=======================================
S:port_ctrl.port_type   1               port_ctrl.port_grp      1
S:port_ctrl.port_number 52              port_ctrl.vc_mode       1
S:
S:      port_ctrl.lcap
S:=======================================
S:has_serdes            0               has_media               1
S:topology              1               skip_nego               0
S:skip_pnego            0               skip_init_event         0
S:en_shim                       0               speed_neg
        1
S:loop_back             0               num_speeds              5
S:fec_enable            0
S:
S:      port_ctrl.speed_list array
S:=======================================
S:speed_list[0].auto_neg  1     speed_list[0].lnk_speed  0x0000000a
S:speed_list[1].auto_neg  1     speed_list[1].lnk_speed  0x00000008
S:speed_list[2].auto_neg  1     speed_list[2].lnk_speed  0x00000006
S:speed_list[3].auto_neg  1     speed_list[3].lnk_speed  0x00000005
S:speed_list[4].auto_neg  1     speed_list[4].lnk_speed  0x00000003
S:speed_list[5].auto_neg  0     speed_list[5].lnk_speed  0x00000000
S:
S:      port_ctrl.cm
S:=======================================
S:port_ctrl.cm.num_vcs          8
S:port_ctrl.cm.min_bufs         8
S:port_ctrl.cm.cr_shar_bufs     0
S:port_ctrl.vc_alloc
S:port_ctrl.vc_alloc            2 0 1 1 1 1 1 1
S:port_ctrl.vc_alloc            0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.norm_vc_alloc
S:port_ctrl.norm_vc_alloc       4 0 5 5 5 5 1 1
S:port_ctrl.norm_vc_alloc       0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.cm.skip_bb_credit           0
S:port_ctrl.cm.use_shim_based_sublist           0
S:
S:      port_ctrl.serdes_set
S:=======================================
S:serdes_type           0x8
```

```
S:serdes_data_t.ibm_hss_serdes.tx_drive_power           0x1
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b_sign      0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_a           0x0
S:serdes_data_t.ibm_hss_serdes.rxeq                     0x0
S:
S:      cfgbm
S:======================================
S:old_distance          0x0             gport_lockdown          0x0
S:tport                 0x1             speed                   0x0
S:disable_eport         0x0             fcacc                   0x0
S:lport_lockdown                0x0             priv_lport_lockdown
        0x0
S:vcxlt_linit           0x0             delay_flogi             0x0
S:isl_interop           0x0             distance                0x0
S:BufStarvFlag          0x0             credit_sharing          0x0
S:lport_halfduplex      0x0             lport_fairness          0x0
S:soft_neg              0x0             asn_frc_hwretry         0x0
S:cr_recov              0x0             fport_buffers           0x0
S:export                        0x0             export_mode
        0x0
S:csctl_en              0x0             mirror_port             0x0
S:fault_delay           0x0             non_dfe                 0x0
S:fec_configured*(0=ENAB)       0               fec_tts
        0
S:port_persistently_disabled (permanently) 0 (0)
S:
S:      cfg property
S:======================================
S:priv_pcfg_bm          0x00000000      lgcl_pcfg_bm
0xbb838ba4
S:fport_buffer          0x00000000
S:
S:
S:C4 Discard Cntrs: rxlp_stats = 0xb6acb470
S:-------------------------------------------------------------------
---------
S:disc_mcast_wka        0x0             disc_inv_did            0x0
S:disc_cl1_cl4          0x0             disc_sid_chk_fail       0x0
S:disc_inv_dom_egid_txpt        0x0             disc_vft_hop_cnt_1
        0x0
S:disc_classf           0x0             disc_fcp_cdb_inv        0x0
S:disc_vfid_trap_enabled        0x0
disc_vfid_hdr_chk_fail  0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_ftb_vm_mode      0x0             disc_ftb_agn_t2_miss    0x0
S:disc_ecb_de_pad_err   0x0             disc_ecb_de_tag_err     0x0
S:disc_ecb_de_seq_err   0x0             disc_ecb_err            0x0
S:disc_ftb_type4_match  0x0             disc_fcp_rsp_ftb_type4  0x0
S:disc_fcp_rsp_ftb_type4        0x0             disc_ftb_type5_match
        0x0
S:disc_ftb_type3_match  0x0             disc_els_ftb_type3      0x0
S:disc_ftb_type1_match  0x0             disc_els_rsp_ex_port    0x0
```

```
S:disc_inv_drp_dps      0x0             disc_did_lookup_miss    0x0
S:disc_ftb_type2_match  0x0             disc_trpd_plogi_pdisc   0x0
S:disc_type2_lookup_miss        0x0             disc_ftb_type6_match
       0x0
S:disc_els_rep_ex_port  0x0             disc_els_sid_lkup_bit1  0x0
S:disc_els_sid_lkup_bit0        0x0
disc_bls_frm_trap_bit1  0x0
S:disc_ftb_token_err    0x0             disc_asic_internal_err  0x0
S:disc_hard_zone_miss   0x0             disc_lun_zone_miss      0x0
S:disc_flt_frame_disc   0x0             disc_flt_parity_err     0x0
S:disc_frame_marked_du  0x0             disc_frame_marked_to    0x0
E:Connection type: FE
E:Port type: E_port
E:Trunk port: No
E:Configured Speed: AUTO_SPEED_NEGO
E:Max Capable Speed: 32G
E:Current SNSM Speed: UNDEFINED
E:Hardware TX Speed: 32G (0x00000004)
E:Hardware RX Speed: 32G (0x00000040)
E:
E:Interrupts:   0           Link_failure:       0
Loss_of_sync:   0           Loss_of_sig:        0
E:Lli:          0           Invalid_word:       0
E:trapped_frm:  0           fwd_status_ok:      0
E:fwd_timeout:  0           fwd_tx_unavail:     0
E:fwd_unroutable:       0           fwd_zone_out:       0
E:fwd_other_err:        0           frm_err_discard:    0
E:Fltr listA:   0           Fltr listB:         0
E:Zone trap fwd:        0           Zone trap disc:     0
E:shim_csum:    0           RTE_perr:           0
E:Invalid_crc:  0           Delim_err:          0
E:Protocol_err: 0
E:Lr_in:        0           Lr_out:             0
E:Ols_in:       0           Ols_out:            0


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                FILTER DATA
                -----------
Shadow settings:
   Filter Enable: 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
```

```
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass: 0x00000000
Real settings:
   Enable RAM: 0x00000000, 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
```

```
   Redir RAM[31]: 0x00000000
   Bypass RAM: 0x00000000

Shadowed filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        c4_fldenable[0] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[0] = 0x00000000,c4_fltr_config[0] = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        c4_fldenable[1] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[1] = 0x00000000,c4_fltr_config[1] = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        c4_fldenable[2] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[2] = 0x00000000,c4_fltr_config[2] = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        c4_fldenable[3] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[3] = 0x00000000,c4_fltr_config[3] = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        c4_fldenable[4] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[4] = 0x00000000,c4_fltr_config[4] = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        c4_fldenable[5] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[5] = 0x00000000,c4_fltr_config[5] = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        c4_fldenable[6] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[6] = 0x00000000,c4_fltr_config[6] = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        c4_fldenable[7] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[7] = 0x00000000,c4_fltr_config[7] = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        c4_fldenable[8] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[8] = 0x00000000,c4_fltr_config[8] = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        c4_fldenable[9] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[9] = 0x00000000,c4_fltr_config[9] = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        c4_fldenable[10] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[10] = 0x00000000,c4_fltr_config[10] =
0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        c4_fldenable[11] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[11] = 0x00000000,c4_fltr_config[11] =
```

```
0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        c4_fldenable[12] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[12] = 0x00000000,c4_fltr_config[12] =
0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        c4_fldenable[13] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[13] = 0x00000000,c4_fltr_config[13] =
0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        c4_fldenable[14] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[14] = 0x00000000,c4_fltr_config[14] =
0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        c4_fldenable[15] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[15] = 0x00000000,c4_fltr_config[15] =
0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        c4_fldenable[16] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[16] = 0x00000000,c4_fltr_config[16] =
0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        c4_fldenable[17] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[17] = 0x00000000,c4_fltr_config[17] =
0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        c4_fldenable[18] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[18] = 0x00000000,c4_fltr_config[18] =
0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        c4_fldenable[19] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[19] = 0x00000000,c4_fltr_config[19] =
0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        c4_fldenable[20] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[20] = 0x00000000,c4_fltr_config[20] =
0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        c4_fldenable[21] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[21] = 0x00000000,c4_fltr_config[21] =
0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        c4_fldenable[22] = 0x00000000 0x00000000 0x00000000
0x00000000
```

```
        c4_fldnegate[22] = 0x00000000,c4_fltr_config[22] =
0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        c4_fldenable[23] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[23] = 0x00000000,c4_fltr_config[23] =
0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        c4_fldenable[24] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[24] = 0x00000000,c4_fltr_config[24] =
0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        c4_fldenable[25] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[25] = 0x00000000,c4_fltr_config[25] =
0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        c4_fldenable[26] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[26] = 0x00000000,c4_fltr_config[26] =
0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        c4_fldenable[27] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[27] = 0x00000000,c4_fltr_config[27] =
0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        c4_fldenable[28] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[28] = 0x00000000,c4_fltr_config[28] =
0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        c4_fldenable[29] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[29] = 0x00000000,c4_fltr_config[29] =
0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        c4_fldenable[30] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[30] = 0x00000000,c4_fltr_config[30] =
0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        c4_fldenable[31] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[31] = 0x00000000,c4_fltr_config[31] =
0x00000000


Real filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
```

```
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
```

```
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
```

```
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000

Filter dirty indicator: 0x00000000
Performance filters: 0
Port Mirror filters: 0 (0x0)


               FIELD DATA
               ----------

Shadowed fields:

fldoffset[0] = 0x00,fldmask[0] = 0x00,fldvalue_dyna[0]:0x00 0x00
0x00 0x00
fldcontrol[0].inuse = 0x0  fldcontrol[0].refcnt = 0x00 0x00 0x00
0x00
fldoffset[1] = 0x00,fldmask[1] = 0x00,fldvalue_dyna[1]:0x00 0x00
0x00 0x00
fldcontrol[1].inuse = 0x0  fldcontrol[1].refcnt = 0x00 0x00 0x00
0x00
fldoffset[2] = 0x00,fldmask[2] = 0x00,fldvalue_dyna[2]:0x00 0x00
0x00 0x00
fldcontrol[2].inuse = 0x0  fldcontrol[2].refcnt = 0x00 0x00 0x00
0x00
fldoffset[3] = 0x00,fldmask[3] = 0x00,fldvalue_dyna[3]:0x00 0x00
0x00 0x00
fldcontrol[3].inuse = 0x0  fldcontrol[3].refcnt = 0x00 0x00 0x00
0x00
fldoffset[4] = 0x00,fldmask[4] = 0x00,fldvalue_dyna[4]:0x00 0x00
0x00 0x00
fldcontrol[4].inuse = 0x0  fldcontrol[4].refcnt = 0x00 0x00 0x00
0x00
fldoffset[5] = 0x00,fldmask[5] = 0x00,fldvalue_dyna[5]:0x00 0x00
0x00 0x00
fldcontrol[5].inuse = 0x0  fldcontrol[5].refcnt = 0x00 0x00 0x00
0x00
fldoffset[6] = 0x00,fldmask[6] = 0x00,fldvalue_dyna[6]:0x00 0x00
0x00 0x00
```

fldcontrol[6].inuse = 0x0 fldcontrol[6].refcnt = 0x00 0x00 0x00
0x00
fldoffset[7] = 0x00,fldmask[7] = 0x00,fldvalue_dyna[7]:0x00 0x00
0x00 0x00
fldcontrol[7].inuse = 0x0 fldcontrol[7].refcnt = 0x00 0x00 0x00
0x00
fldoffset[8] = 0x00,fldmask[8] = 0x00,fldvalue_dyna[8]:0x00 0x00
0x00 0x00
fldcontrol[8].inuse = 0x0 fldcontrol[8].refcnt = 0x00 0x00 0x00
0x00
fldoffset[9] = 0x00,fldmask[9] = 0x00,fldvalue_dyna[9]:0x00 0x00
0x00 0x00
fldcontrol[9].inuse = 0x0 fldcontrol[9].refcnt = 0x00 0x00 0x00
0x00
fldoffset[10] = 0x00,fldmask[10] = 0x00,fldvalue_dyna[10]:0x00 0x00
0x00 0x00
fldcontrol[10].inuse = 0x0 fldcontrol[10].refcnt = 0x00 0x00 0x00
0x00
fldoffset[11] = 0x00,fldmask[11] = 0x00,fldvalue_dyna[11]:0x00 0x00
0x00 0x00
fldcontrol[11].inuse = 0x0 fldcontrol[11].refcnt = 0x00 0x00 0x00
0x00
fldoffset[12] = 0x00,fldmask[12] = 0x00,fldvalue_dyna[12]:0x00 0x00
0x00 0x00
fldcontrol[12].inuse = 0x0 fldcontrol[12].refcnt = 0x00 0x00 0x00
0x00
fldoffset[13] = 0x00,fldmask[13] = 0x00,fldvalue_dyna[13]:0x00 0x00
0x00 0x00
fldcontrol[13].inuse = 0x0 fldcontrol[13].refcnt = 0x00 0x00 0x00
0x00
fldoffset[14] = 0x00,fldmask[14] = 0x00,fldvalue_dyna[14]:0x00 0x00
0x00 0x00
fldcontrol[14].inuse = 0x0 fldcontrol[14].refcnt = 0x00 0x00 0x00
0x00
fldoffset[15] = 0x00,fldmask[15] = 0x00,fldvalue_dyna[15]:0x00 0x00
0x00 0x00
fldcontrol[15].inuse = 0x0 fldcontrol[15].refcnt = 0x00 0x00 0x00
0x00
fldoffset[16] = 0x00,fldmask[16] = 0x00,fldvalue_dyna[16]:0x00 0x00
0x00 0x00
fldcontrol[16].inuse = 0x0 fldcontrol[16].refcnt = 0x00 0x00 0x00
0x00
fldoffset[17] = 0x00,fldmask[17] = 0x00,fldvalue_dyna[17]:0x00 0x00
0x00 0x00
fldcontrol[17].inuse = 0x0 fldcontrol[17].refcnt = 0x00 0x00 0x00
0x00
fldoffset[18] = 0x00,fldmask[18] = 0x00,fldvalue_dyna[18]:0x00 0x00
0x00 0x00
fldcontrol[18].inuse = 0x0 fldcontrol[18].refcnt = 0x00 0x00 0x00
0x00
fldoffset[19] = 0x00,fldmask[19] = 0x00,fldvalue_dyna[19]:0x00 0x00
0x00 0x00
fldcontrol[19].inuse = 0x0 fldcontrol[19].refcnt = 0x00 0x00 0x00
0x00

```
Real fields:

fldoffset RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fldmask RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fld value4 RAM:
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
Field dirty indicator: 0x00000000

FDB reference count fdb: 0 [0 0 0 0 ]
FDB reference count fdb: 1 [0 0 0 0 ]
FDB reference count fdb: 2 [0 0 0 0 ]
FDB reference count fdb: 3 [0 0 0 0 ]
FDB reference count fdb: 4 [0 0 0 0 ]
FDB reference count fdb: 5 [0 0 0 0 ]
FDB reference count fdb: 6 [0 0 0 0 ]
FDB reference count fdb: 7 [0 0 0 0 ]
FDB reference count fdb: 8 [0 0 0 0 ]
FDB reference count fdb: 9 [0 0 0 0 ]
FDB reference count fdb: 10 [0 0 0 0 ]
FDB reference count fdb: 11 [0 0 0 0 ]
FDB reference count fdb: 12 [0 0 0 0 ]
FDB reference count fdb: 13 [0 0 0 0 ]
FDB reference count fdb: 14 [0 0 0 0 ]
FDB reference count fdb: 15 [0 0 0 0 ]
FDB reference count fdb: 16 [0 0 0 0 ]
FDB reference count fdb: 17 [0 0 0 0 ]
FDB reference count fdb: 18 [0 0 0 0 ]
FDB reference count fdb: 19 [0 0 0 0 ]

Filter counters:
   Filter counter 0: 0  (MIRROR1)
   Filter counter 1: 0  (MIRROR2)
```

```
   Filter counter 2: 0  (MIRROR3)
   Filter counter 3: 0  (MIRROR4)
   Filter counter 4: 0  (AEPORT_NON_MIRR_DROP)
   Filter counter 5: 0  (ZONING TRAP)
   Filter counter 6: 0  (FCR_EXPORT_DC)
   Filter counter 7: 0  (TIN TRAP)
   Filter counter 8: 0  (FICON CUP)
   Filter counter 9: 0  (FICON CUP DST)
   Filter counter 10: 0 (WELL KNOWN ADDR)
   Filter counter 11: 0 (SIM)
   Filter counter 12: 0 (UNUSED)
   Filter counter 13: 0 (UNUSED)
   Filter counter 14: 0 (UNUSED)
   Filter counter 15: 0 (UNUSED)
   Filter counter 16: 0 (PERF1)
   Filter counter 17: 0 (PERF2)
   Filter counter 18: 0 (PERF3)
   Filter counter 19: 0 (PERF4)
   Filter counter 20: 0 (PERF5)
   Filter counter 21: 0 (PERF6)
   Filter counter 22: 0 (PERF7)
   Filter counter 23: 0 (PERF8)
   Filter counter 24: 0 (PERF9)
   Filter counter 25: 0 (PERF10)
   Filter counter 26: 0 (PERF11)
   Filter counter 27: 0 (PERF12)
   Filter counter 28: 0 (OPM1)
   Filter counter 29: 0 (OPM2)
   Filter counter 30: 0 (IPM1)
   Filter counter 31: 0 (IPM2)

               ACL DATA
               --------
Logical port 12: Hard Zoning disabled, Soft Zoning disabled
Zone type: WWN Zoning
Frames with hard zone miss: 0

*** Please use filterportshow on user port 56 to display ACL hash
tables and Mirroring resources of thischip.
 ***We show this data only for the first physical port which is an
exernal port.

portFcPortCmdShow --slot 0 53 3
doing portFcPortCmdShow: arg1 = 3, arg2 = -2

portshow 53
portDisableReason: None
portCFlags: 0x0
portFlags: 0x4021        PRESENT U_PORT DISABLED LED
LocalSwcFlags: 0x0
portType:  26.0
POD Port: Need license to enable the port
portState: 2    Offline
Protocol: FC
```

```
portPhys:  2    No_Module       portScn:   2    Offline
port generation number:    0
state transition count:    0

portId:    013500
portIfId:    4302000f
portWwn:   20:35:d8:1f:cc:2c:99:90
portWwn of device(s) connected:
16b Area list:
Distance:  normal
portSpeed: N32Gbps

FEC: Inactive
Credit Recovery: Inactive
LE domain: 0
Peer beacon: Off
FC Fastwrite: OFF
Interrupts:        0          Link_failure: 0          Frjt:
0
Unknown:           0          Loss_of_sync: 0          Fbsy:
0
Lli:               0          Loss_of_sig:  0
Proc_rqrd:         0          Protocol_err: 0
Timed_out:         0          Invalid_word: 0
Tx_unavail:        0          Invalid_crc:  0
Delim_err:         0          Address_err:  0
Lr_in:             0          Ols_in:       0
Lr_out:            0          Ols_out:      0


portloginshow 53
Type  PID     World Wide Name        credit df_sz cos
=====================================================


portloginshow 53 -history
 Type  PID      World Wide Name           logout time
============================================================


portregshow 53

LED registers
=============
0x81c7a000: c4_led_status           00000000    0x81c7a004:
c4_led_ctl              00000000

FPL registers
=============
0x81c78200: fpl_port_config         23490000
0x81c7820c: fpl_port_id_ctl         00000000    0x81c78210:
fpl_port_id_addr        00013500
0x81c78214: fpl_port_speed          00000004    0x81c7821c:
fpl_lli_ctl             00000903
```

```
0x81c78228: fpl_lli_os_ctl          bc95b5b5    0x81c7822c:
fpl_lli_send_word       bc95b5b5
0x81c78230: fpl_lli_mark_rx         00000000    0x81c78234:
fpl_lli_rnd_trip_time   00000000
0x81c78238: fpl_lli_ns_status       00070007    0x81c7823c:
fpl_lli_intr_status     80070007
0x81c78244: fpl_lli_def             00000000    0x81c78254:
fpl_lli_intr_enable_clr 00100000
0x81c78258: fpl_err_intr_status     00000000    0x81c78260:
fpl_err_intr_enable_clr 00000000
0x81c78268: fpl_err_first_error     00000000    0x81c7826c:
fpl_speed_neg_ctl       00000000
0x81c78270: fpl_speed_neg_stat      00000000    0x81c78274:
fpl_softasn_ctl         0000000f
0x81c78278: fpl_link_init_ctl       00000000    0x81c7827c:
fpl_link_init_stat      00000000
0x81c78280: fpl_aec_ctl             00051060    0x81c78284:
fpl_aec_ctl2            04009f60
0x81c78288: fpl_pcs_ctl             00000160    0x81c7828c:
fpl_fec_ctl             00000441
0x81c78290: fpl_fec_cor             00000000    0x81c78294:
fpl_fec_uncor           00000000
0x81c78298: fpl_hss_link_ctl        0031f040    0x81c7829c:
fpl_afifo_link_ctl      00000a86
0x81c782a0: fpl_echo_lb_ctl         0000028c    0x81c782a4:
fpl_scratch             00000121
0x81c782a8: fpl_debug               00030005    0x81c782ac:
fpl_misc_debug          00001800
0x00000000: SW_shadow_reg           00000000    0x00000000:
SW_c4_phyp->cfgptr      00030000

per-fpg (per octet) registers
=============================
0x8180b82c: fpg_serdes_ctla0        81a37be7    0x8180b830:
fpg_serdes_ctla1        81a37be7
0x8180b834: fpg_serdes_ctlb0        81a1c3c3    0x8180b838:
fpg_serdes_ctlb1        81a1c3c3
0x8180b83c: fpg_serdes_xgmii_1ms    00067c28    0x8180b840:
fpg_serdes_regtimctl    40e47946
0x8180b844: fpg_serdes_asnrsttimctl 00000102

HSS PLL registers
=============================
0x8180b400: 00_hssplla_vco_coarse_cal0      00000000    0x8180b404:
01_hssplla_vco_coarse_cal1      00000014
0x8180b408: 02_hssplla_vco_coarse_cal2      00000000    0x8180b40c:
03_hssplla_vco_coarse_cal3      00000000
0x8180b410: 04_hssplla_vco_coarse_cal4      00000000    0x8180b424:
09_hssplla_power_ctl            00000000
0x8180b428: 0A_hssplla_charge_pump_ctl      00000004    0x8180b438:
0E_hssplla_pll_misc_ctl         00000000
0x8180b43c: 0F_hssplla_pclk_ctl             000000f8    0x8180b440:
10_hssplla_eyem_intv_ctl        00000000
0x8180b444: 11_hssplla_eyem_intv_lim1       00000000    0x8180b448:
```

```
12_hssplla_eyem_intv_lim2       00000000
0x8180b44c: 13_hssplla_eyem_intv_lim3       00000000    0x8180b450:
14_hssplla_eyem_intv_lim4       00000000
0x8180b4f0: 3C_hssplla_macro_tst_ctl4       00000000    0x8180b4f4:
3D_hssplla_macro_tst_ctl3       00000000
0x8180b4f8: 3E_hssplla_macro_tst_ctl2       00000000    0x8180b4fc:
3F_hssplla_macro_tst_ctl1       00000000
0x8180b500: 00_hssp1lb_vco_coarse_cal0      0000000a    0x8180b504:
01_hssp1lb_vco_coarse_cal1      00000014
0x8180b508: 02_hssp1lb_vco_coarse_cal2      00000000    0x8180b50c:
03_hssp1lb_vco_coarse_cal3      00000000
0x8180b510: 04_hssp1lb_vco_coarse_cal4      00000000    0x8180b524:
09_hssp1lb_power_ctl            00000000
0x8180b528: 0A_hssp1lb_charge_pump_ctl      00000004    0x8180b538:
0E_hssp1lb_pll_misc_ctl         00000000
0x8180b53c: 0F_hssp1lb_pclk_ctl             000000f8    0x8180b540:
10_hssp1lb_eyem_intv_ctl        00000000
0x8180b544: 11_hssp1lb_eyem_intv_lim1       00000000    0x8180b548:
12_hssp1lb_eyem_intv_lim2       00000000
0x8180b54c: 13_hssp1lb_eyem_intv_lim3       00000000    0x8180b550:
14_hssp1lb_eyem_intv_lim4       00000000
0x8180b5f0: 3C_hssp1lb_macro_tst_ctl4       00000000    0x8180b5f4:
3D_hssp1lb_macro_tst_ctl3       00000000
0x8180b5f8: 3E_hssp1lb_macro_tst_ctl2       00000000    0x8180b5fc:
3F_hssp1lb_macro_tst_ctl1       00000000

HSS TX registers
================
0x8180a500: 00_hsstx_cfg_mode_PHY           00009f48    0x8180a504:
01_hsstx_test_ctl               00000000
0x8180a508: 02_hsstx_coeff_ctl_INV          00000000    0x8180a50c:
03_hsstx_drv_mode_ctl           00000000
0x8180a510: 04_hsstx_drv_ovrd_ctl           00000010    0x8180a514:
05_hsstx_dclk_align_ovrd        00000080
0x8180a518: 06_hsstx_imp_cal_ovrd           00000c0c    0x8180a51c:
07_hsstx_dclk_drift_tol         00000004
0x8180a520: 08_hsstx_tap0_coeff_TUNE        00000000    0x8180a524:
09_hsstx_tap1_coeff_TUNE        00000003
0x8180a528: 0A_hsstx_tap2_coeff_TUNE        00000018    0x8180a52c:
0B_hsstx_tap3_coeff_TUNE        0000000d
0x8180a534: 0D_hsstx_pol_INV                0000000a    0x8180a538:
0E_hsstx_ae_cmd                 00000000
0x8180a53c: 0F_hsstx_ae_stat                00000000    0x8180a540:
10_hsstx_ae_tap0_TUNE           00000000
0x8180a544: 11_hsstx_ae_tap1_TUNE           00000000    0x8180a548:
12_hsstx_ae_tap2_TUNE           00000028
0x8180a54c: 13_hsstx_ae_tap3_TUNE           00000000    0x8180a554:
15_hsstx_app_tune               0000120e
0x8180a558: 16_hsstx_analog_diag            00000000    0x8180a560:
18_hsstx_4x_seg_app             0000aafa
0x8180a564: 19_hsstx_2x_seg_app             00000000    0x8180a568:
1A_hsstx_1x_seg_app             0000ff5d
0x8180a56c: 1B_hsstx_seg_4x_term_app        00000000    0x8180a570:
1C_hsstx_seg_2x1x_term_app      00000f00
```

```
0x8180a574: 1D_hsstx_tap_sign_app           0000000a    0x8180a578:
1E_hsstx_ext_addr_data          00000001
0x8180a57c: 1F_hsstx_ext_addr_addr          00000000    0x8180a580:
20_hsstx_pat_buf_bytes_1_0      00000000
0x8180a584: 21_hsstx_pat_buf_bytes_3_2      00000000    0x8180a588:
22_hsstx_pat_buf_bytes_5_4      00000000
0x8180a58c: 23_hsstx_pat_buf_bytes_7_6      00000000    0x8180a59c:
27_hsstx_8023az_ctl             00000000
0x8180a5a0: 28_hsstx_dcc_ctl                000060c0    0x8180a5a4:
29_hsstx_dcc_ovrd               00000000
0x8180a5a8: 2A_hsstx_dcc_app                00000107    0x8180a5ac:
2B_hsstx_dcc_timeout            0000ffff
0x8180a5c0: 30_hsstx_tap_sign_ovrd          00000000    0x8180a5c8:
32_hsstx_seg_4x_ovrd            00000000
0x8180a5cc: 33_hsstx_seg_2x_ovrd            00000000    0x8180a5d0:
34_hsstx_seg_1x_ovrd            00000000
0x8180a5d8: 36_hsstx_tap_seg_4x_term_ovrd   00000000    0x8180a5dc:
37_hsstx_tap_seg_2x_term_ovrd   00000000
0x8180a5e0: 38_hsstx_tap_seg_1x_term_ovrd   00000000    0x8180a5ec:
3B_hsstx_mac_test_ctl5          00000000
0x8180a5f0: 3C_hsstx_mac_test_ctl4          00000000    0x8180a5f4:
3D_hsstx_mac_test_ctl3          00000000
0x8180a5f8: 3E_hsstx_mac_test_ctl2          00000000    0x8180a5fc:
3F_hsstx_mac_test_ctl1          000000c6

HSS RX registers
================
0x8180a700: 00_hssrx_cfg_mode_PHY           00009e78    0x8180a704:
01_hssrx_test_ctl               00000000
0x8180a708: 02_hssrx_phs_rot_ctl            0000cb80    0x8180a70c:
03_hssrx_phs_rot_ofs_ctl        00000610
0x8180a710: 04_hssrx_phs_rot_posn1          00002120    0x8180a714:
05_hssrx_phs_rot_posn2          00000011
0x8180a718: 06_hssrx_phs_rot_sta_ofs1       00000100    0x8180a71c:
07_hssrx_phs_rot_sta_ofs2       0000001f
0x8180a720: 08_hssrx_dfe_ctl_PHY            00002002    0x8180a724:
09_hssrx_dfe_smpl_snap1         00000000
0x8180a728: 0A_hssrx_dfe_smpl_snap2         00008000    0x8180a72c:
0B_hssrx_vga_ctl1               000041f4
0x8180a730: 0C_hssrx_vga_ctl2               00007aa0    0x8180a734:
0D_hssrx_vga_ctl3               000009e4
0x8180a738: 0E_hssrx_pwr_mgmnt_ctl          0000001f    0x8180a73c:
0F_hssrx_iqamp_ctl1             00000019
0x8180a740: 10_hssrx_iqamp_ctl2             00000001    0x8180a744:
11_hssrx_dacap_dacan_sel        00000003
0x8180a748: 12_hssrx_dacap_dacan            00000201    0x8180a74c:
13_hssrx_daca_min               00000000
0x8180a750: 14_hssrx_adac_ctl               00000001    0x8180a754:
15_hssrx_ac_cp_ctl              000031c3
0x8180a758: 16_hssrx_ac_cp_val              00008051    0x8180a75c:
17_hssrx_dfe_h1h2h3_lcl_off_ch  00000014
0x8180a760: 18_hssrx_dfe_h1h2h3_lcl_off_val 00000000    0x8180a764:
19_hssrx_peaked_intg            000000ff
0x8180a768: 1A_hssrx_cdr_analog_sw          0000ce00    0x8180a76c:
```

```
1B_hssrx_peaking_amp_init_c_PHY 00000000
0x8180a770: 1C_hssrx_dac_dpc                00000040    0x8180a774:
1D_hssrx_ddc                    00000000
0x8180a778: 1E_hssrx_int_stat_PHY           00000c0f    0x8180a77c:
1F_hssrx_dfe_func_ctl1_PHY      0000ffff
0x8180a780: 20_hssrx_dfe_func_ctl2_INV      00007ebf    0x8180a784:
21_hssrx_ofs_ch_dcc_qcc_idx     00002000
0x8180a788: 22_hssrx_dfe_ofs_val            0000797f    0x8180a78c:
23_hssrx_h_coeff_bist           00000401
0x8180a790: 24_hssrx_ac_cap_bist            00000000    0x8180a794:
25_hssrx_max_gain_path_idx_res  00007800
0x8180a798: 26_hssrx_loff_ctl               00000054    0x8180a79c:
27_hssrx_sigdet_ctl             00004180
0x8180a7a0: 28_hssrx_ana_ctl_sw             00000000    0x8180a7a4:
29_hssrx_intg_dac_ofs           0000acaf
0x8180a7a8: 2A_hssrx_eye_ctl                00000000    0x8180a7ac:
2B_hssrx_eye_met                00000004
0x8180a7b0: 2C_hssrx_eye_met_err_cnt        00000000    0x8180a7b4:
2D_hssrx_eye_met_pdf_eyec       00000000
0x8180a7b8: 2E_hssrx_eye_met_pat_len        0000007f    0x8180a7bc:
2F_hssrx_dfe_func_ctl3          0000dfff
0x8180a7c0: 30_hssrx_dfe_tap_ctl_idx_ptr    00000008    0x8180a7c4:
31_hssrx_dfe_tap                00003030
0x8180a7c8: 32_hssrx_lte_ctl_TUNE           00001601    0x8180a7e4:
39_hssrx_int_stat2              000041ff
0x8180a7e8: 3A_hssrx_ac_cpl_cur_src_adj     00000042    0x8180a7ec:
3B_hssrx_dcd_ctl                00007c81
0x8180a7f0: 3C_hssrx_dcc_ctl                00000d82    0x8180a7f4:
3D_hssrx_qcc_ctl                00006984
0x8180a7f8: 3E_hssrx_mac_test_ctl2          00000000    0x8180a7fc:
3F_hssrx_mac_test_ctl1          00000000
0x8180a748: 12_hssrx_dacap_dacan[02]                0200 0201
0x8180a760: 18_hssrx_dfe_h1h2h3_lcl_off_va[00]      0000 0000   0000
0000   0000 0000   0000 0000
0x8180a760: 18_hssrx_dfe_h1h2h3_lcl_off_va[08]      0000 0000   0000
0000   0000 0000   0000 0000
0x8180a760: 18_hssrx_dfe_h1h2h3_lcl_off_va[16]      0000 0000   0000
0000   0000
0x8180a788: 22_hssrx_dfe_ofs_val[00][00]            797f 0000   077d
7f00   0509 7f7f
0x8180a788: 22_hssrx_dfe_ofs_val[03][00]            0707 7f7f   7c07
007f   7b01 0000
0x8180a788: 22_hssrx_dfe_ofs_val[06][00]            037b 0000   0b7f
7f00   0b7f 7f00
0x8180a788: 22_hssrx_dfe_ofs_val[09][00]            7e7d 0000   7a7b
0000   0079 0000
0x8180a788: 22_hssrx_dfe_ofs_val[12][00]            7e7b 0000   057d
0000   7d04 0000
0x8180a788: 22_hssrx_dfe_ofs_val[15][00]            7f02 007f   7f7b
7f00   017d 0000
0x8180a788: 22_hssrx_dfe_ofs_val[18][00]            017f 0000   7f7f
0000   007d 0000
0x8180a788: 22_hssrx_dfe_ofs_val[21][00]            007d 0000   007d
0000   007d 0000
```

```
0x8180a788: 22_hssrx_dfe_ofs_val[24][00]            0306 007f   7d0c
007f   7e00 0000
0x8180a794: 25_hssrx_max_gain_path_idx_res[00]      005a 0855   1007
1887   20f0 28ba   30a2 3800
0x8180a794: 25_hssrx_max_gain_path_idx_res[08]      40e0 48a5   5090
5800   6044 6804   7000 7800
0x8180a7c4: 31_hssrx_dfe_tap[00]                    fffe 8080   0000
0000   0030 0030   3030 3030
0x8180a7c4: 31_hssrx_dfe_tap[08]                    3030 3030   3030
0000
0x8180a7e8: 3A_hssrx_ac_cpl_cur_src_adj[00]         0042 0042   0042
0042
0x8180a7ec: 3B_hssrx_dcd_ctl[00]                    7c81 5c00   7c00
5c00   7c81
0x8180a7f0: 3C_hssrx_dcc_ctl[00]                    0d82 0d81   0d81
0d42
0x8180a7f4: 3D_hssrx_qcc_ctl[00]                    6946 6984

xfipcs, fec, aec, & aet registers
=================================
0x81c78400: xfipcs_reg              [00] 00002040 00000080 00000000
00000000    00000001 00000008 00000000 00000000
0x81c78420: xfipcs_reg              [08] 00008c01 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c78440: xfipcs_reg              [16] 00000000 00000000 00000000
00000000    00000040 00000000 00000000 00000000
0x81c78460: xfipcs_reg              [24] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c78480: xfipcs_reg              [32] 00000004 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c78620: fec_32g_128g_reg        [08] 00000000 00000000 00000000
00000000    00000000 00000000 00000000
0x81c78648: fec_32g_128g_reg        [18] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c78a00: aec_reg                 [00] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c78c00: aet_reg                 [00] 00000000 00000000 00000000
00000000    00000000

bbc registers
=============
0x81c79800: bbc_trc                 0    0    0    0    0    0    0
0
0x81c79840: bbc_trc                 0    0    0    0    0    0    0
0
0x81c79880: bbc_trc                 0    0    0    0    0    0    0
0
0x81c798c0: bbc_trc                 0    0    0    0    0    0    0
0
0x81c79900: bbc_trc                 0    0    0    0    0    0    0
0
0x81c79804: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c79844: bbc_mbc                 0    0    0    0    0    0    0
```

```
0
0x81c79884: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c798c4: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c79904: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c79a00: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c79a20: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c79a40: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c79a60: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c79a80: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c79c00: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c79c20: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c79c40: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c79c60: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c79c80: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c79d00: bbc_fbpc                00000000    0x81c79d04: bbc_csc
00000000
0x81c79d08: bbc_rcc_inc             00000000    0x81c79d0c:
bbc_rqc_inc             00000000
0x81c79d10: bbc_fbpc_inc            00000000    0x81c79d14:
bbc_tmc_inc             00000000
0x81c79d18: bbc_threshold           00080100    0x81c79d1c:
bbc_counter_clr         00000000
0x81c79d20: bbc_debug_en            00000000    0x81c79d24: bbc_ctrl
00200020
0x81c79d28: bbc_rqc_rcc_thresh      00000055    0x81c79d34:
bbc_bb_sc_n             00000000
0x81c79d38: bbc_crd_reco_debug      00000000    0x81c79d3c:
bbc_crd_reco_debug_data 00000000
0x81c79d40: bbc_multi_frm_loss_cnt  00000000    0x81c79d44:
bbc_multi_rdy_loss_cnt  00000000
0x81c79d48: bbc_1frm_loss_recov_cnt 00000000    0x81c79d4c:
bbc_1rdy_loss_recov_cnt 00000000
0x81c79d58: bbc_int_status          00000000    0x81c79d5c:
bbc_int_set             00000000
0x81c79d60: bbc_int_first           00000000    0x81c79d64:
bbc_frm_rdy_rx_err_addr 00000000
0x81c79d68: bbc_frm_rdy_tx_err_addr 00000000    0x81c79d6c:
bbc_trc_mbc_err_addr    00000000
0x81c79d70: bbc_frm_rdy_rx_dbl_ecc  00000000    0x81c79d74:
bbc_frm_rdy_tx_dbl_ecc  00000000
0x81c79d78: bbc_trc_mbc_dbl_ecc     00000000
```

```
0x81c79d7c: bbc_fsm_status          00001011    0x81c79d80:
bbc_force_err           00000000
0x81c79d84: bbc_crdt_avail0         ffffffff    0x81c79d88:
bbc_crdt_avail1         000000ff
0x81c79d8c: bbc_scratch             00000000

FPS registers
=============
0x81c78004: fps_er_enc_in           00000000    0x81c78008:
fps_er_crc              00000000
0x81c7800c: fps_er_trunc            00000000    0x81c78010:
fps_er_toolong          00000000
0x81c78014: fps_er_bad_eof          00000000    0x81c78018:
fps_er_enc_out          00000000
0x81c7801c: fps_er_bad_os           00000000    0x81c78020:
fps_er_flush            00000000
0x81c78024: fps_er_ifg              00000000    0x81c78038:
fps_er_crc_good_eof     00000000
0x81c7803c: fps_inv_arb             00000000    0x81c78040:
fps_slow_sts_status     00000000
0x81c78044: fps_tx_frm_cnt          00000000    0x81c78048:
fps_rx_frm_cnt          00000000
0x81c78050: fps_tx_word_cnt_hi      00000000    0x81c7804c:
fps_tx_word_cnt_lo      00000000
0x81c78058: fps_rx_word_cnt_hi      00000000    0x81c78054:
fps_rx_word_cnt_lo      00000000

BAL registers
=============
0x81c7f000: bal_desired_buf         00000000    0x81c7f004:
bal_alloc_buf           00000000
0x81c7f008: bal_busy_buf            00000000    0x81c7f00c:
bal_usable_buf          00000000
0x81c7f010: bal_max_bor_buf         00000000
0x81c7f014: bal_busy_buf_thresh     00000002

TXQ registers
=============
0x81c7b004: txq_phys_port_ctl       00470000
0x81c7b050: txq_link_skew           00000000
0x81c7b068: txq_cr_lk_dttn_intr_sts [00] 00000000 00000000
0x81c7b070: txq_cr_lk_dttn_intr_en  [00] 00000000 00000000
0x81c7b024: txq_disc_frm_trap_cnt   00000014

FDS registers
=============
0x81c7c000: fds_rxf_ctl             00000002    0x81c7c004:
fds_rxf_wait_thresh     00000909
0x81c7c018: fds_rxf_first_error     00000000    0x81c7c01c:
fds_rxf_first_error_info00000000
0x81c7c020: fds_rxf_inout_pkt_cnt   00000000
0x81c7c008: fds_rxf_err_int_status  00000000    0x81c7c024:
fds_rxf_fifo_status     00888888
0x81c7d000: fds_txf_ctl             0000003a    0x81c7d004:
```

```
fds_txf_wait_ifg_thresh 00a00106
0x81c7d008: fds_txf_err_int_status  00000000    0x81c7d024:
fds_txf_fifo_status     00088888
0x81c7d02c: fds_txf_bbc_scs         00000000

Logical TXQ registers
=====================
0x81c7b000: txq_log_port_ctl        00000002    0x81c7b008:
txq_port_status         00000000
0x81c7b00c: txq_todo_flags          [00] 00000000 00000000
0x81c7b014: txq_spd_match_desc      [00] 00000000 00000000 00000000
00000000
0x81c7b024: txq_spd_match_desc      [04] 00000014
0x81c7b028: txq_vc_weight           [00] 01010101 01010101 01010101
01010101
0x81c7b038: txq_vc_weight           [04] 01010101 01010101 01010101
01010101
0x81c7b048: txq_vc_weight           [08] 01010101 00010101
0x81c7b054: txq_cong_dttn_ctrl      00000000
0x81c7b058: txq_cong_dttn_intr_sts  [00] 00000000 00000000
0x81c7b060: txq_cong_dttn_intr_en   [00] 00000000 00000000
0x81c7b078: txq_bw_limit_en_reg     [00] 00000000 00000000
0x81c7b080: txq_bw_gua_en_reg       [00] 00000000 00000000
0x81c7b088: txq_vc_group            [00] 03030300 03030303 03030303
03030303
0x81c7b098: txq_vc_group            [04] 03030303 03030303 03030303
03030303
0x81c7b0a8: txq_vc_group            [08] 03030303 03030303 00000000
00000000
0x81c7b0b0: txq_bw_thresh_group     [00] 00000000 00000000 00000000
00000000
0x81c7b0c0: txq_bw_thresh_group     [04] 00000000 00000000 00000000
00000000
0x81c7b0d0: txq_bw_thresh_group     [08] 00000000 00000000 00000000
00000000
0x81c7b0e0: txq_bw_thresh_group     [12] 00000000 00000000 00000000
00000000
0x81c7b0f0: txq_bw_thresh_group     [16] 00000000 00000000 00000000
00000000
0x81c7b100: txq_bw_thresh_group     [20] 00000000 00000000 00000000
00000000
0x81c7b110: txq_bw_thresh_group     [24] 00000000 00000000 00000000
00000000
0x81c7b120: txq_bw_thresh_group     [28] 00000000 00000000 00000000
00000000
0x81c7b130: txq_bw_thresh_group     [32] 00000000 00000000 00000000
00000000
0x81c7b140: txq_bw_thresh_group     [36] 00000000 00000000 00000000
00000000

txq Congestion detection Statistics RAM
=======================================
0x81090960: vc[0]       00000000        0x81090964: vc[1]
00000000
```

```
0x81090968: vc[2]       00000000        0x8109096c: vc[3]
00000000
0x81090970: vc[4]       00000000        0x81090974: vc[5]
00000000
0x81090978: vc[6]       00000000        0x8109097c: vc[7]
00000000
0x81090980: vc[8]       00000000        0x81090984: vc[9]
00000000
0x81090988: vc[10]      00000000        0x8109098c: vc[11]
00000000
0x81090990: vc[12]      00000000        0x81090994: vc[13]
00000000
0x81090998: vc[14]      00000000        0x8109099c: vc[15]
00000000
0x810909a0: vc[16]      00000000        0x810909a4: vc[17]
00000000
0x810909a8: vc[18]      00000000        0x810909ac: vc[19]
00000000
0x810909b0: vc[20]      00000000        0x810909b4: vc[21]
00000000
0x810909b8: vc[22]      00000000        0x810909bc: vc[23]
00000000
0x810909c0: vc[24]      00000000        0x810909c4: vc[25]
00000000
0x810909c8: vc[26]      00000000        0x810909cc: vc[27]
00000000
0x810909d0: vc[28]      00000000        0x810909d4: vc[29]
00000000
0x810909d8: vc[30]      00000000        0x810909dc: vc[31]
00000000
0x810909e0: vc[32]      00000000        0x810909e4: vc[33]
00000000
0x810909e8: vc[34]      00000000        0x810909ec: vc[35]
00000000
0x810909f0: vc[36]      00000000        0x810909f4: vc[37]
00000000
0x810909f8: vc[38]      00000000        0x810909fc: vc[39]
00000000


Logical STS registers
=====================
0x81584bc4: sts_ftb_type1_miss      00000000
0x81584bc8: sts_ftb_type2_miss      00000000
0x81584bcc: sts_ftb_type6_miss      00000000
0x81584bd0: sts_hard_zoning_miss    00000000
0x81584bd4: sts_lun_zoning_miss     00000000
0x81584bdc: sts_unroutable          00000000
0x81581bf4: sts_rte_cl2             00000000    0x81581bf8:
sts_rte_cl3             00000000        0x81581bfc: sts_rte_link_ctl
00000000        0x81584be8: sts_tx_timeout          00000000

Logical STS filter registers
====================
```

```
0x81584b40: sts_flt_trig            [00] 00000000 00000000 00000000
00000000
0x81584b50: sts_flt_trig            [04] 00000000 00000000 00000000
00000000
0x81584b60: sts_flt_trig            [08] 00000000 00000000 00000000
00000000
0x81584b70: sts_flt_trig            [12] 00000000 00000000 00000000
00000000
0x81584b80: sts_flt_trig            [16] 00000000 00000000 00000000
00000000
0x81584b90: sts_flt_trig            [20] 00000000 00000000 00000000
00000000
0x81584ba0: sts_flt_trig            [24] 00000000 00000000 00000000
00000000
0x81584bb0: sts_flt_trig            [28] 00000000 00000000 00000000
00000000
0x81584bc0: sts_flt_trig            [32]

Logical STS discard registers
=====================
0x815825cc: disc_mcast_wka          00000000    0x815825d0:
disc_inv_did            00000000
0x815825d4: disc_cl1_cl4            00000000    0x815825d8:
disc_sid_chk_fail       00000000
0x815825dc: disc_inv_dom_egid_txpt  00000000    0x815825e0:
disc_vft_hop_cnt_1      00000000
0x815825e4: disc_classf             00000000    0x815825e8:
disc_fcp_cdb_inv        00000000
0x815825ec: disc_vfid_trap_enabled  00000000    0x815825f0:
disc_vfid_hdr_chk_fail  00000000
0x815825f4: disc_shim_cksum_fail    00000000    0x815825f8:
disc_fed_edit_cmd_err   00000000
0x815825fc: disc_ftb_vm_mode        00000000    0x81582600:
disc_ftb_agn_t2_miss    00000000
0x81582604: disc_ecb_reserved       00000000    0x81582608:
disc_ecb_de_pad_err     00000000
0x8158260c: disc_ecb_de_tag_err     00000000    0x81582610:
disc_ecb_de_seq_err     00000000
0x81582614: disc_ecb_err            00000000    0x81582618:
disc_ftb_type4_match    00000000
0x8158261c: disc_fcp_rsp_ftb_type4  00000000    0x81582620:
disc_ftb_type5_match    00000000
0x81582624: disc_ftb_type3_match    00000000    0x81582628:
disc_els_ftb_type3      00000000
0x8158262c: disc_ftb_type1_match    00000000    0x81582630:
disc_els_rsp_ex_port    00000000
0x81582634: disc_inv_drp_dps        00000000    0x81582638:
disc_did_lookup_miss    00000000
0x8158263c: disc_ftb_type2_match    00000000    0x81582640:
disc_trpd_plogi_pdisc   00000000
0x81582644: disc_type2_lookup_miss  00000000    0x81582648:
disc_ftb_type6_match    00000000
0x8158264c: disc_els_rep_ex_port    00000000    0x81582650:
disc_els_sid_lkup_bit1  00000000
```

```
0x81582654: disc_els_sid_lkup_bit0  00000000    0x81582658:
disc_bls_frm_trap_bit1  00000000
0x8158265c: disc_ftb_token_err      00000000    0x81582660:
disc_asic_internal_err  00000000
0x81582664: disc_hard_zone_miss     00000000    0x81582668:
disc_lun_zone_miss      00000000
0x8158266c: disc_flt_frame_disc     00000000    0x81582670:
disc_flt_parity_err     00000000
0x81582674: disc_frame_marked_du    00000000    0x81582678:
disc_frame_marked_to    00000000
0x8158267c: disc_lkup_rte_prty_err  00000000


portstatsshow 53
stat_wtx                0                   4-byte words transmitted
stat_wrx                0                   4-byte words received
stat_ftx                0                   Frames transmitted
stat_frx                0                   Frames received
stat_c2_frx             0                   Class 2 frames received
stat_c3_frx             0                   Class 3 frames received
stat_lc_rx              0                   Link control frames
received
stat_mc_rx              0                   Multicast frames
received
stat_mc_to              0                   Multicast timeouts
stat_mc_tx              0                   Multicast frames
transmitted
tim_txcrd_z             0                   Time TX Credit Zero
(2.5Us ticks)
tim_txcrd_z_vc  0- 3:  0           0           0           0
tim_txcrd_z_vc  4- 7:  0           0           0           0
tim_txcrd_z_vc  8-11:  0           0           0           0
tim_txcrd_z_vc 12-15:  0           0           0           0
lat_tot_pkt_vc  0- 3:  1           1           1           1
lat_tot_pkt_vc  4- 7:  1           1           1           1
lat_tot_pkt_vc  8-11:  1           1           1           1
lat_tot_pkt_vc 12-15:  1           1           1           1
lat_hi_time_vc  0- 3:  0           0           0           0
lat_hi_time_vc  4- 7:  0           0           0           0
lat_hi_time_vc  8-11:  0           0           0           0
lat_hi_time_vc 12-15:  0           0           0           0
lat_lo_time_vc  0- 3:  1           1           1           1
lat_lo_time_vc  4- 7:  1           1           1           1
lat_lo_time_vc  8-11:  1           1           1           1
lat_lo_time_vc 12-15:  1           1           1           1
max_latency_vc  0- 3:  1           1           1           1
max_latency_vc  4- 7:  1           1           1           1
max_latency_vc  8-11:  1           1           1           1
max_latency_vc 12-15:  1           1           1           1
latency_dma_ts          09-09-2024 UTC Mon 08:47:26             TXQ
Latency DMA TimeStamp
fec_cor_detected        0                   Count of blocks that
were corrected by FEC
fec_uncor_detected      0                   Count of blocks that
```

```
were left uncorrected by FEC
er_enc_in               0                   Encoding errors inside
of frames
er_crc                  0                   Frames with CRC errors
er_trunc                0                   Frames shorter than
minimum
er_toolong              0                   Frames longer than
maximum
er_bad_eof              0                   Frames with bad end-of-
frame
er_enc_out              0                   Encoding error outside
of frames
er_bad_os               0                   Invalid ordered set
er_pcs_blk              0                   PCS block errors
er_rx_c3_timeout        0                   Class 3 receive frames
discarded due to timeout
er_tx_c3_timeout        0                   Class 3 transmit frames
discarded due to timeout
er_unroutable           0                   Frames that are
unroutable
er_unreachable          0                   Frame with unreachable
destination
er_other_discard        0                   Other discards
er_type1_miss           0                   frames with FTB type 1
miss
er_type2_miss           0                   frames with FTB type 2
miss
er_type6_miss           0                   frames with FTB type 6
miss
er_zone_miss            0                   frames with hard zoning
miss
er_lun_zone_miss        0                   frames with LUN zoning
miss
er_crc_good_eof         0                   Crc error with good eof
er_inv_arb              0                   Invalid ARB
er_single_credit_loss   0                   Single vcrdy/frame loss
on link
er_multi_credit_loss    0                   Multiple vcrdy/frame
loss on link
other_credit_loss       0                   Link timeout/complete
credit loss
phy_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
phy_port stats clear
lgc_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
lgc_port stats clear
fec_corrected_rate      0                   FEC Corrected blocks per
second

portstats64show 53
stat64_wtx      0           top_int : 4-byte words transmitted
                0           bottom_int : 4-byte words transmitted
stat64_wrx      0           top_int : 4-byte words received
                0           bottom_int : 4-byte words received
stat64_ftx      0           top_int : Frames transmitted
```

```
                0           bottom_int : Frames transmitted
stat64_frx      0           top_int : Frames received
                0           bottom_int : Frames received
stat64_c2_frx   0           top_int : Class 2 frames received
                0           bottom_int : Class 2 frames received
stat64_c3_frx   0           top_int : Class 3 frames received
                0           bottom_int : Class 3 frames received
stat64_lc_rx    0           top_int : Link control frames received
                0           bottom_int : Link control frames
received
stat64_mc_rx    0           top_int : Multicast frames received
                0           bottom_int : Multicast frames received
stat64_mc_to    0           top_int : Multicast timeouts
                0           bottom_int : Multicast timeouts
stat64_mc_tx    0           top_int : Multicast frames transmitted
                0           bottom_int : Multicast frames
transmitted
tim64_rdy_pri   0           top_int : Time R_RDY high priority
                0           bottom_int : Time R_RDY high priority
tim64_txcrd_z   0           top_int : Time BB_credit zero
                0           bottom_int : Time BB_credit zero
er64_enc_in     0           top_int : Encoding errors inside of
frames
                0           bottom_int : Encoding errors inside of
frames
er64_crc        0           top_int : Frames with CRC errors
                0           bottom_int : Frames with CRC errors
er64_trunc      0           top_int : Frames shorter than minimum
                0           bottom_int : Frames shorter than minimum
er64_toolong    0           top_int : Frames longer than maximum
                0           bottom_int : Frames longer than maximum
er64_bad_eof    0           top_int : Frames with bad end-of-frame
                0           bottom_int : Frames with bad end-of-
frame
er64_enc_out    0           top_int : Encoding error outside of
frames
                0           bottom_int : Encoding error outside of
frames
er64_disc_c3    0           top_int : Class 3 frames discarded
                0           bottom_int : Class 3 frames discarded
er64_pcs_blk    0           top_int : PCS block errors
                0           bottom_int : PCS block errors
stat64_rateTxFrame      0           Tx frame rate (fr/sec)
stat64_rateRxFrame      0           Rx frame rate (fr/sec)
stat64_rateTxPeakFrame  0           Tx peak frame rate (fr/sec)
stat64_rateRxPeakFrame  0           Rx peak frame rate (fr/sec)
stat64_rateTxWord       0           Tx Word rate (words/sec)
stat64_rateRxWord       0           Rx Word rate (words/sec)
stat64_rateTxPeakWord   0           Tx peak Word rate (words/sec)
stat64_rateRxPeakWord   0           Rx peak Word rate (words/sec)
stat64_PRJTFrames       0           top_int : Number of PRJT frames
returned to this port
                        0           bottom_int : Number of PRJT
frames returned to this port
```

```
stat64_PBSYFrames       0           top_int : Number of PBSY frames
returned to this port
                        0           bottom_int : Number of PBSY
frames returned to this port
stat64_inputBuffersFull 0           top_int : Number of occurrences
when all input buffers full
                        0           bottom_int : Number of
occurrences when all input buffers full
stat64_rxClass1Frames   0           top_int : Number of class 1
frames received
                        0           bottom_int : Number of class 1
frames received
stat64_aveTxFrameSize   0           Average Tx Frame size
stat64_aveRxFrameSize   0           Average Rx Frame size
Lr_in           0           top_int
                0           bottom_int
Ols_in          0           top_int
                0           bottom_int
Lr_out          0           top_int
                0           bottom_int
Ols_out         0           top_int
                0           bottom_int
Link_failure    0           top_int
                0           bottom_int
Invalid_CRC     0           top_int
                0           bottom_int
Invalid_word    0           top_int
                0           bottom_int
Protocol_err    0           top_int
                0           bottom_int
Loss_of_sig     0           top_int
                0           bottom_int
Loss_of_sync    0           top_int
                0           bottom_int
er_bad_os       0           top_int : Invalid ordered set
                0           bottom_int: Invalid ordered set


portrouteshow 53
port address ID: 0x013500
external unicast routing table:
   0: Embedded
 255: Embedded
internal unicast routing table:
   0: Embedded

portcamshow 53
-------------------------------------------------
Port  SID used  DID used  SID entries  DID entries
53     0         0         000000       000000
-------------------------------------------------

ptbufshow, ptcreditshow, ptdatashow, ptstatsshow 53
S:
```

```
S:VF Enable:            1
S:
S:C4 Global Variable:
S:-------------------------------------------------------------------
---------
S:trace_stop:           0
S:
S:C4 Phy Data Pointers: c4_phyp = 0xb6ad2080
S:-------------------------------------------------------------------
---------
S:tnodep                        0xbb83c540      pt
        0x4302800f
S:proto_phyp            0xb8808c60      phy_cfg
0xb6ad30c0
S:c4_chp                        0x97e28000      c4_lgcp
0x97f84000
S:c4_phy_regp           0x81c78000      proc_dir
0xb8518640
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4345678      num_port_timer          12
S:prev_if_id            0x4302000f      S:ftx                   0
        tov                     0
S:initialized           0               port_idx                15
S:ui_idx                        53              slot_no
        0
S:blade_idx             15              sw_usr_ports            400
S:unused                        0               intr_debounced
        0
S:aec_status            0x0             reason_code
        0
S:debug                 0x00000004      debug_trc_line          0
S:rxbuf_list_head       0xffffffff      rxbuf_list_tail
0xffffffff
S:isAePort                      0               port_misc_data
                0
S:num_fault1_rx_disc    0               num_fault2_rx_disc      0
S:p_lli_cause0          0               p_sig_regained          0
S:p_sync_regained               0               enc_out
        0x0
S:cached_fps_status     0               cached_sts_status       0
S:cached_er_crc_good_eof        0
S:cached_er_bad_os      0               cached_er_too_long      0
S:cached_er_trunc       0
cached_tot_er_crc_good_eof      0
S:num_pt_excess_intr    0               num_no_fid              0
S:num_fault1_cnt                0               num_fault2_cnt
        0
S:num_fault_lip         0               num_fault_lli           0
S:num_fault_rx_fifo     0               num_fault_hss           0
S:num_fault_bwait               0               lli_intr_prim
        0
S:num_sw_link_to                0
be_link_err_mon_count           0
```

```
S:ecb_enc_enabled               0               ecb_comp_enabled
                0
S:ecb_rsv_enc           0               ecb_rsv_comp            0
S:ecb_enc_bm            0x0             ecb_key_index
0xffffffff
S:fab_idx               4
S:num_be_lto            0               lto_count_reset_intvl
        0
S:lr_count_reset_intvl          0               num_be_lr
        0
S:num_fault_qsfp                0               check_lto
        0
S:credit_loaded         0               num_credit_overrun
        0
S:fec_enabled           0x0             fec_los_to_flag         0x0
S:phy_stats_clear_ts            1725611419      pcs_err_online
        0
S:pcs_err_light_det             0               pcs_err_ignore
        0
S:pcs_blk_err           0               pcs_hiber               0
S:phy_port_status               0               ecb_enc_lr_count
                0
S:dport_mode            0               avoid_lto_det           0
S:sn_debounced          0x0             sn_started_kr_reqd      0
S:major_timer_started   0x0             ready_bm                0x0
S:parln_1_bm            0x0             parln_0_bm              0x0
S:be_los_of_sync_event_intvl            0
be_los_of_sync_event            0
S:erratePtenable_cntr           0               errataPoll_cntr
        0
S:jda_rx_sig_loss_det           0               jda_rx_sig_loss_cnt
                0
S:encrypt_blk_error             0
S:
S:      c4_trunk
S:=====================================
S:mark_ts               0x0             deskew                  0x0
S:master_phyp           0x0
S:
S:adelay[00]: 0x00000000 0x00000000 0x00000000 0x00000000
S:adelay[04]: 0x00000000 0x00000000 0x00000000 0x00000000
S:
S:      c4_buf
S:=====================================
S:tx_csc                        0               rx_csc
        0
S:ld_vc_credits         0               tx_flag                 0x0
S:alloc_buffers         0               req_buffers             0
S:est_buffers           20              ld_use_est              0
S:bb_sc_n                       0               rx_bb_sc_n
        0
S:data_cr                       5               nondata_cr
        6
S:cr_enable             0
```

```
S:ld_nondata_cr         6               tnodep
0xbb83c620
S:tx_credits[0] 0    0    0    0    0    0    0    0
S:tx_credits[8] 0    0    0    0    0    0    0    0
S:tx_credits[16]        0    0    0    0    0    0    0    0
S:tx_credits[24]        0    0    0    0    0    0    0    0
S:tx_credits[32]        0    0    0    0    0    0    0    0
S:rx_credits[0] 0    0    0    0    0    0    0    0
S:rx_credits[8] 0    0    0    0    0    0    0    0
S:rx_credits[16]        0    0    0    0    0    0    0    0
S:rx_credits[24]        0    0    0    0    0    0    0    0
S:rx_credits[32]        0    0    0    0    0    0    0    0
S:tx_mbc[0]     0    0    0    0    0    0    0    0
S:tx_mbc[8]     0    0    0    0    0    0    0    0
S:tx_mbc[16]    0    0    0    0    0    0    0    0
S:tx_mbc[24]    0    0    0    0    0    0    0    0
S:tx_mbc[32]    0    0    0    0    0    0    0    0
S:rx_mbc[0]     0    0    0    0    0    0    0    0
S:rx_mbc[8]     0    0    0    0    0    0    0    0
S:rx_mbc[16]    0    0    0    0    0    0    0    0
S:rx_mbc[24]    0    0    0    0    0    0    0    0
S:rx_mbc[32]    0    0    0    0    0    0    0    0
S:
S:C4 Chip Variables: c4_phyp->c4_chp = 0x97e28000
S:-------------------------------------------------------------------
---------
S:version = 2.1
S:magic_id              0xc4234567      init_state              0x8
S:reset_reg_mem         0x1
S:ch_int0_en_bm         0x0             intr0_cause             0x0
S:ch_int1_en_bm         0x0             intr1_cause             0x0
S:ch_int2_en_bm         0x0             intr2_cause             0x0
S:ch                    0x43010080      ch_cfg
0xb7013ba0
S:raslog_hndl.hndl      0x0             obj_halted              0x0
S:c4_chip_regp          0x80000000      c4_fpg_regp
0x81800000
S:num_chip_timer        0x5
S:hi_task_bm            0x0             lo_task_bm              0x0
S:c4_deferq.q_head      0x0             c4_deferq.q_tail        0x0
S:c4_tmrq.q_head        0x0             c4_tmrq.q_tail          0x0
slot_no                 0
S:chip_inst             0               chip_idx                0
S:pll_initialized               1
pll_serdes_initialized  1
S:init_tries            0               init_ptEnableBM
0xba01b488
S:tick_polling          0xb980c9c0      sec_polling
0xb980c960
S:bb_fid                        129
S:ecb_key_bm[0]         0x0             ecb_key_bm[1]           0x0
S:ecb_key_bm[2]         0x0             ecb_key_bm[3]           0x0
S:is_chip_enc_enabled                   0
is_chip_comp_enabled    0x0
```

```
S:ftb_rsrcp->ftb_flags  0x0             act_rsrcp->act_flag     0x1
S:lue_rsrcp->lue_flags[0]       0x0             lue_rsrcp-
>lue_flags[1]   0x0
S:c4_phyp[00]: 0xb6ab0000 0xb6ab2080 0xb6ab4100 0xb6ab6180
S:c4_phyp[04]: 0xb6ab9040 0xb6abb0c0 0xb6abd140 0xb6ac0000
S:c4_phyp[08]: 0xb6ac2080 0xb6ac4100 0xb6ac6180 0xb6ac9040
S:c4_phyp[12]: 0xb6acb0c0 0xb6acd140 0xb6ad0000 0xb6ad2080
S:c4_phyp[16]: 0xb6ad4100 0xb6ad6180 0xb6ad9040 0xb6adb0c0
S:c4_phyp[20]: 0xb6add140 0xb6ae0000 0xb6ae2080 0xb6ae4100
S:c4_phyp[24]: 0xb6ae6180 0xb6ae9040 0xb6aeb0c0 0xb6aed140
S:c4_phyp[28]: 0xb6af0000 0xb6af2080 0xb6af4100 0xb6af6180
S:c4_phyp[32]: 0xb6af9040 0xb6afb0c0 0xb6afd140 0xb6b00000
S:c4_phyp[36]: 0xb6b02080 0xb6b04100 0xb6b06180 0xb6b09040
S:c4_phyp[40]: 0xb6b0b0c0 0xb6b0d140 0xb6b10000 0xb6b12080
S:c4_phyp[44]: 0xb6b14100 0xb6b16180 0xb6b19040 0xb6b1b0c0
S:c4_phyp[48]: 0xb6b1d140 0xb6b20000 0xb6b22080 0xb6b24100
S:c4_phyp[52]: 0xb6b26180 0xb6b29040 0xb6b2b0c0 0xb6b2d140
S:c4_phyp[56]: 0xb6b30000 0xb6b32080 0xb6b34100 0xb6b36180
S:c4_phyp[60]: 0xb6b39040 0xb6b3b0c0 0xb6b3d140 0xb6b40000
S:c4_lgcp[00]: 0x97f48000 0x97f4c000 0x97f50000 0x97f54000
S:c4_lgcp[04]: 0x97f58000 0x97f5c000 0x97f60000 0x97f64000
S:c4_lgcp[08]: 0x97f68000 0x97f6c000 0x97f70000 0x97f74000
S:c4_lgcp[12]: 0x97f78000 0x97f7c000 0x97f80000 0x97f84000
S:c4_lgcp[16]: 0x97f88000 0x97f8c000 0x97f90000 0x97f94000
S:c4_lgcp[20]: 0x97f98000 0x97f9c000 0x97fa0000 0x97fa4000
S:c4_lgcp[24]: 0x97fa8000 0x97fac000 0x97fb0000 0x97fb4000
S:c4_lgcp[28]: 0x97fb8000 0x97fbc000 0x97fc0000 0x97fc4000
S:c4_lgcp[32]: 0x97fc8000 0x97fcc000 0x97fd0000 0x97fd4000
S:c4_lgcp[36]: 0x97fd8000 0x97fdc000 0x97fe0000 0x97fe4000
S:c4_lgcp[40]: 0x97fe8000 0x97fec000 0x97ff0000 0x97ff4000
S:c4_lgcp[44]: 0x97ff8000 0x97ffc000 0x8e000000 0x8e004000
S:c4_lgcp[48]: 0x8e008000 0x8e00c000 0x8e010000 0x8e014000
S:c4_lgcp[52]: 0x8e018000 0x8e01c000 0x8e020000 0x8e024000
S:c4_lgcp[56]: 0x8e028000 0x8e02c000 0x8e030000 0x8e034000
S:c4_lgcp[60]: 0x8e038000 0x8e03c000 0x8e040000 0x8e044000
S:chip_timers[00]: 0xb980c720 0xb980c780 0xb980c7e0 0xb980c840
S:chip_timers[04]: 0xb980c8a0 0xb980c900
S:disc_trap_enable_required     0x0             rxlp_disc_log_stop
        0x0
S:curr_rxlp_frm_cnt     0x0             curr_rxlp_disc_frm_cnt  0x0
S:sw_disc_frm_cnt       0x0             last_disc_frm_cnt       0x0
S:txq_nopop_pr_cnt      0x0             pollErrataDfe_ptBM
0xba01b4b0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][0]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][1]  0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][2]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][0] 0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][1]       0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][2] 0x0
S:
S:C4 Logical Port Variables
S:-------------------------------------------------------------------
---------
S:c4_lgc_regp           0x81c78000
```

```
S:c4_phyp:
S:      0xb6ad2080      0x0             0x0             0x0

S:      0x0             0x0             0x0             0x0

S:master_phyp           0xb6ad2080      if_id
0x4302000f
S:min_phyp              0x0             max_phyp                0x0
S:num_phy_ports         1               lgc_num                 15
S:num_iu_to             0               sw_txq_bm
        0
S:port_fid              129             unused                  0
S:port_group            1               lgc_stats_clear_ts
                1725611419
S:domain_tbl_sel                0               area_tbl_sel
        0
S:egid_tbl_sel          0
S:serv_lo_bm            0x0
S:
S:Proto Phy Variables:
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4123456      asic_phyp
0xb6ad2080
S:port_id                       0x4302800f      phy_cfg
        0xb6ad30c0
S:upsm_hdl              0xb8014460      physm_hdl
0xb80141e0
S:ov_snsm_hdl           0xb80140a0      sw_snsm_hdl
0xb8014140
S:ov_lksm_hdl           0xb8014280      sw_lksm_hdl
0xb8014320
S:trksm_hdl             0xb80143c0      lr_flag         0x0
S:lr_active             0x0             qsfp_txrx_rate_sel
        0x0
S:
S:UPSM      UP00: UPST_PORT_DISABLED    --> UP00: UPST_PORT_DISABLED
S:SNSM(OV)  SN00: OV_SNST_STOPPED       --> SN00: OV_SNST_STOPPED
S:SNSM(SW)  SW00: SW_SNST_STAGE_WS      --> SW00: SW_SNST_STAGE_WS
S:PHYSM     PP00: PHYST_STOPPED         --> PP00: PHYST_STOPPED
S:LKSM(OV)  LK00: OV_LKST_INACTIVE      --> LK00: OV_LKST_INACTIVE
S:LKSM(SW)  SW13: INACTIVE              --> SW13: INACTIVE
S:TRKSM     TRK0: TRKST_INIT            --> TRK0: TRKST_INIT
S:
S:physm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8808c60      physm_hdl
0xb80141e0
S:force_offline         0               copper                  0
S:fault_reason          0: UNKNOWN
S:phy_media_present             0
S:
S:snsm variables:
```

```
S:-------------------------------------------------------------------
---------
S:speed                  0xff            proto_phyp
0xb8808c60
S:hw_sn_tries_left       0x0             sw_sn_tries_left        0x0
S:curr_txsp_count                0x0
S:tx_max                         0x0             curr_tx_indx
        0x0
S:curr_tx                        0x0             curr_rxsp_count
        0x0
S:rx_max                         0x0             curr_rx_indx
        0x0
S:curr_rx                        0x0             rx_mem
        0x0
S:rxsp_rec_count                 0x0
S:nc_start               0x0             tx_start                0x0
S:sync_start             0x0             sync_present            0x0
S:diag_auto              0x0             diag_speed              0xff
S:striped_wd_tov                 3000            hw_wd_tov
        3000
S:step                   0x0             qsfp28_speed_mode
        0x0
S:qsfp_mode0_hw_sn_tries_left            0x0
S:qsfp_mode1_hw_sn_tries_left            0x0
S:
S:lksm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp             0xb8808c60      ov_lksm_hdl
0xb8014280
sw_lksm_hdl              0xb8014320
num_lf1                  0
S:hw_link_tries_left     0               sw_link_tries_left      0
S:buf_ptype              0x0             stored_entry_state      0x6
S:handshake_owner                0x0             mark_unsent
        0x0
S:busybuf_stuck          0x0             lr_wait                 0x0
S:
S:trksm variables:
S:-------------------------------------------------------------------
---------
S:Not a trunk port
S:
S:upsm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp             0xb8808c60      upsm_hdl
0xb8014460
S:bb_credits             0               port_beacon             0
S:port_diag_flag                 0               force_offline
        0
S:port_fault_rsn                 0: PORT_NO_FAULT
S:retry_init_rsn                 0: UNKNOWN
S:linit_reason           0               linit_result            0
```

```
S:ie_fctl_mode          0               fec_in_sync_tries_left  0
S:retry_sn_fail_init    0
retry_link_fail_init    0
S:excess_lr_count       0
S:
S:c4_ch_cfg
S:-------------------------------------------------------------------
---------
S:c4_desc_ring_size     256      292      256      256      292
292      2        292      292
S:thresh_def            0        16       1        0
S:intr_tries            500             cmem_pattern
0xdeadbeef
S:cmem_pattern_upwd     2               cmem_init_time          16
S:cmem_init_tries               5
S:ctrl_par_thresh               2               data_par_thresh
        4
S:cam_par_thresh                4               buf_loss_thresh
        12
S:crit_par_thresh               2               non_crit_par_thresh
        6
S:pci_abort_thresh      10              pci_err_thresh          5
S:excess_chintr_thresh  8               sw_err_thresh           20
S:err_sample_period     300             intr_sleep
20000
S:frame_timeout 2500            proxy_dev               16384
S:vf_route      81920           qos             2048
S:stats 2048            f_redirect              2048
S:rsp_trap      2048            lun_zoning              20480
S:area_mode     0               ftb_max_loop[0]         0
S:ftb_max_loop[1]       6               ftb_max_loop[2]         9
S:ftb_max_loop[3]       10              ftb_max_loop[4]         10
S:ftb_max_loop[5]       5               ftb_max_loop[6]         6
S:ftb_seg_size[0]       0               ftb_seg_size[1]
16384
S:ftb_seg_size[2]       65536           ftb_seg_size[3]
16384
S:ftb_seg_size[4]       16384           ftb_seg_size[5]
65536
S:ftb_seg_size[6]       16384           ftb_seg_base[0]         0
S:ftb_seg_base[1]       0               ftb_seg_base[2]
65536
S:ftb_seg_base[3]       16384           ftb_seg_base[4]
32768
S:ftb_seg_base[5]       131072          ftb_seg_base[6]
49152
asic_err_monitor_period1                300
asic_err_monitor_period2                86400
zone_chk_to_poll_period 25
zone_chk_class2_reject_tov              220
S:
S:c4_phy_cfg
S:-------------------------------------------------------------------
---------
```

```
S:version = 2.1
S:pt                    0x4302800f      fab_ptr
0x9a800000
S:fabattr                       0x9a8000d4      fab_iop
        0x9a800050
S:cfgbm                 0xbb83c384      port_ctrl
0xb6ad30d8
S:pcap.pcap_bm          0x8d215547      pcap.pcap2_bm
0x2588289
S:pcap.pcap3_bm         0x1bebe0c
ui_idx                  53              S:slot_no
        0
is_icl                  0               S:sw_usr_ports          400
S:neg_speed             0 0 0 0 0 0
S:my_domain             0x1             port_mode               0x0
S:hw_sn_maxtries                100             sw_sn_maxtries
        0
S:hw_link_maxtries      10              sw_link_maxtries        5
S:rx_cyc_tov            28              rttov                   300
S:bufrdy_tov            300             busybuf_tov             286
S:mark_tov              300             lksm_tov                3000
S:buf_dealloc_wait      4               hw_wd_tov               3000
S:hw_lk_train_tov               540             hw_lk_test_tov
        150
S:syswait_tx_12_lips    1               lip_rx_tov              55
S:al_time_tov           15              lp_tov                  2000
S:intr_tries_port               500             intr_mod_debounce
        250
S:intr_lsr_flt_debounce 500             intr_efifo_debounce     100
S:port_no_fid           3               excess_ptintr_thresh    8
S:port_fault1_thresh    100             port_fault1_spur_thresh 250
S:port_fault1_disc_thresh       500
port_fault1_disc_spur_thresh    1000
S:port_fault2_thresh    5               losync_tov              100
S:port_sw_link_to               15              en_8g_scramble
        1
frc_hw_sn_mode          0x1
S:enc_poll_thresh               0               fec_enable
        0
S:fec_in_sync_to                50              fec_in_sync_try_max
        4
S:port_be_lto_threshold         100             port_be_lr_threshold
                2
S:be_cr_in_sync_to              5
port_credit_overrun_thresh              10
S:jda_sfp_losig_tov             400
jda_sfp_losig_try_max           30
S:striped_wd_tov                3000
no_sync_debounce                1200
S:
S:      fab_iop
S:======================================
S:fab_iop->interop_mode 0x0             fab_iop->lab_mode       0x0
S:fab_iop->fl_bbc               0x0             fab_iop->fl_fan
```

```
        0x0
S:fab_iop->fl_cls               0x4             fab_iop->fl_rscn
        0x0
S:fab_iop->domain_id_offset     0x60            fab_iop-
>mcdt_fabric_mode       0x0
S:fab_iop->mcdt_default_zone            0x0             fab_iop-
>mcdt_safe_zone         0x0
S:
S:      port_ctrl
S:=====================================
S:port_ctrl.port_type   1               port_ctrl.port_grp      1
S:port_ctrl.port_number 53              port_ctrl.vc_mode       1
S:
S:      port_ctrl.lcap
S:=====================================
S:has_serdes            0               has_media               1
S:topology              1               skip_nego               0
S:skip_pnego            0               skip_init_event         0
S:en_shim                       0               speed_neg
        1
S:loop_back             0               num_speeds              5
S:fec_enable            0
S:
S:      port_ctrl.speed_list array
S:=====================================
S:speed_list[0].auto_neg  1     speed_list[0].lnk_speed  0x0000000a
S:speed_list[1].auto_neg  1     speed_list[1].lnk_speed  0x00000008
S:speed_list[2].auto_neg  1     speed_list[2].lnk_speed  0x00000006
S:speed_list[3].auto_neg  1     speed_list[3].lnk_speed  0x00000005
S:speed_list[4].auto_neg  1     speed_list[4].lnk_speed  0x00000003
S:speed_list[5].auto_neg  0     speed_list[5].lnk_speed  0x00000000
S:
S:      port_ctrl.cm
S:=====================================
S:port_ctrl.cm.num_vcs          8
S:port_ctrl.cm.min_bufs         8
S:port_ctrl.cm.cr_shar_bufs     0
S:port_ctrl.vc_alloc
S:port_ctrl.vc_alloc            2 0 1 1 1 1 1 1
S:port_ctrl.vc_alloc            0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.norm_vc_alloc
S:port_ctrl.norm_vc_alloc       4 0 5 5 5 5 1 1
S:port_ctrl.norm_vc_alloc       0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.cm.skip_bb_credit           0
S:port_ctrl.cm.use_shim_based_sublist           0
S:
S:      port_ctrl.serdes_set
S:=====================================
S:serdes_type           0x8
S:serdes_data_t.ibm_hss_serdes.tx_drive_power           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b_sign      0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b           0x0
```

```
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_a           0x0
S:serdes_data_t.ibm_hss_serdes.rxeq                     0x0
S:
S:      cfgbm
S:======================================
S:old_distance          0x0             gport_lockdown          0x0
S:tport                 0x1             speed                   0x0
S:disable_eport         0x0             fcacc                   0x0
S:lport_lockdown                0x0             priv_lport_lockdown
        0x0
S:vcxlt_linit           0x0             delay_flogi             0x0
S:isl_interop           0x0             distance                0x0
S:BufStarvFlag          0x0             credit_sharing          0x0
S:lport_halfduplex      0x0             lport_fairness          0x0
S:soft_neg              0x0             asn_frc_hwretry         0x0
S:cr_recov              0x0             fport_buffers           0x0
S:export                        0x0             export_mode
        0x0
S:csctl_en              0x0             mirror_port             0x0
S:fault_delay           0x0             non_dfe                 0x0
S:fec_configured*(0=ENAB)       0               fec_tts
        0
S:port_persistently_disabled (permanently) 0 (0)
S:
S:      cfg property
S:======================================
S:priv_pcfg_bm          0x00000000      lgcl_pcfg_bm
0xbb83c3c4
S:fport_buffer          0x00000000
S:
S:
S:C4 Discard Cntrs: rxlp_stats = 0xb6ad2430
S:-------------------------------------------------------------------
---------
S:disc_mcast_wka        0x0             disc_inv_did            0x0
S:disc_cl1_cl4          0x0             disc_sid_chk_fail       0x0
S:disc_inv_dom_egid_txpt        0x0             disc_vft_hop_cnt_1
        0x0
S:disc_classf           0x0             disc_fcp_cdb_inv        0x0
S:disc_vfid_trap_enabled        0x0
disc_vfid_hdr_chk_fail  0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_ftb_vm_mode      0x0             disc_ftb_agn_t2_miss    0x0
S:disc_ecb_de_pad_err   0x0             disc_ecb_de_tag_err     0x0
S:disc_ecb_de_seq_err   0x0             disc_ecb_err            0x0
S:disc_ftb_type4_match  0x0             disc_fcp_rsp_ftb_type4  0x0
S:disc_fcp_rsp_ftb_type4        0x0             disc_ftb_type5_match
        0x0
S:disc_ftb_type3_match  0x0             disc_els_ftb_type3      0x0
S:disc_ftb_type1_match  0x0             disc_els_rsp_ex_port    0x0
S:disc_inv_drp_dps      0x0             disc_did_lookup_miss    0x0
S:disc_ftb_type2_match  0x0             disc_trpd_plogi_pdisc   0x0
S:disc_type2_lookup_miss        0x0             disc_ftb_type6_match
```

```
        0x0
S:disc_els_rep_ex_port  0x0             disc_els_sid_lkup_bit1  0x0
S:disc_els_sid_lkup_bit0        0x0
disc_bls_frm_trap_bit1  0x0
S:disc_ftb_token_err    0x0             disc_asic_internal_err  0x0
S:disc_hard_zone_miss   0x0             disc_lun_zone_miss      0x0
S:disc_flt_frame_disc   0x0             disc_flt_parity_err     0x0
S:disc_frame_marked_du  0x0             disc_frame_marked_to    0x0
E:Connection type: FE
E:Port type: E_port
E:Trunk port: No
E:Configured Speed: AUTO_SPEED_NEGO
E:Max Capable Speed: 32G
E:Current SNSM Speed: UNDEFINED
E:Hardware TX Speed: 32G (0x00000004)
E:Hardware RX Speed: 32G (0x00000040)
E:
E:Interrupts:   0           Link_failure:       0
Loss_of_sync:   0           Loss_of_sig:        0
E:Lli:          0           Invalid_word:       0
E:trapped_frm:  0           fwd_status_ok:      0
E:fwd_timeout:  0           fwd_tx_unavail:     0
E:fwd_unroutable:       0           fwd_zone_out:       0
E:fwd_other_err:        0           frm_err_discard:    0
E:Fltr listA:   0           Fltr listB:         0
E:Zone trap fwd:        0           Zone trap disc:     0
E:shim_csum:    0           RTE_perr:           0
E:Invalid_crc:  0           Delim_err:          0
E:Protocol_err: 0
E:Lr_in:        0           Lr_out:             0
E:Ols_in:       0           Ols_out:            0


filterportshow 53

                FILTER DATA
                -----------
Shadow settings:
   Filter Enable: 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
```

```
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass: 0x00000000
Real settings:
   Enable RAM: 0x00000000, 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass RAM: 0x00000000
```

```
Shadowed filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        c4_fldenable[0] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[0] = 0x00000000,c4_fltr_config[0] = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        c4_fldenable[1] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[1] = 0x00000000,c4_fltr_config[1] = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        c4_fldenable[2] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[2] = 0x00000000,c4_fltr_config[2] = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        c4_fldenable[3] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[3] = 0x00000000,c4_fltr_config[3] = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        c4_fldenable[4] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[4] = 0x00000000,c4_fltr_config[4] = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        c4_fldenable[5] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[5] = 0x00000000,c4_fltr_config[5] = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        c4_fldenable[6] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[6] = 0x00000000,c4_fltr_config[6] = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        c4_fldenable[7] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[7] = 0x00000000,c4_fltr_config[7] = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        c4_fldenable[8] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[8] = 0x00000000,c4_fltr_config[8] = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        c4_fldenable[9] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[9] = 0x00000000,c4_fltr_config[9] = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        c4_fldenable[10] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[10] = 0x00000000,c4_fltr_config[10] =
0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        c4_fldenable[11] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[11] = 0x00000000,c4_fltr_config[11] =
0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        c4_fldenable[12] = 0x00000000 0x00000000 0x00000000
```

```
0x00000000
        c4_fldnegate[12] = 0x00000000,c4_fltr_config[12] =
0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        c4_fldenable[13] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[13] = 0x00000000,c4_fltr_config[13] =
0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        c4_fldenable[14] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[14] = 0x00000000,c4_fltr_config[14] =
0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        c4_fldenable[15] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[15] = 0x00000000,c4_fltr_config[15] =
0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        c4_fldenable[16] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[16] = 0x00000000,c4_fltr_config[16] =
0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        c4_fldenable[17] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[17] = 0x00000000,c4_fltr_config[17] =
0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        c4_fldenable[18] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[18] = 0x00000000,c4_fltr_config[18] =
0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        c4_fldenable[19] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[19] = 0x00000000,c4_fltr_config[19] =
0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        c4_fldenable[20] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[20] = 0x00000000,c4_fltr_config[20] =
0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        c4_fldenable[21] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[21] = 0x00000000,c4_fltr_config[21] =
0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        c4_fldenable[22] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[22] = 0x00000000,c4_fltr_config[22] =
0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
```

```
        c4_fldenable[23] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[23] = 0x00000000,c4_fltr_config[23] =
0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        c4_fldenable[24] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[24] = 0x00000000,c4_fltr_config[24] =
0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        c4_fldenable[25] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[25] = 0x00000000,c4_fltr_config[25] =
0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        c4_fldenable[26] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[26] = 0x00000000,c4_fltr_config[26] =
0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        c4_fldenable[27] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[27] = 0x00000000,c4_fltr_config[27] =
0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        c4_fldenable[28] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[28] = 0x00000000,c4_fltr_config[28] =
0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        c4_fldenable[29] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[29] = 0x00000000,c4_fltr_config[29] =
0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        c4_fldenable[30] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[30] = 0x00000000,c4_fltr_config[30] =
0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        c4_fldenable[31] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[31] = 0x00000000,c4_fltr_config[31] =
0x00000000


Real filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
```

```
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
```

```
Filter 15: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
```

```
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000

Filter dirty indicator: 0x00000000
Performance filters: 0
Port Mirror filters: 0 (0x0)


               FIELD DATA
               ----------

Shadowed fields:

fldoffset[0] = 0x00,fldmask[0] = 0x00,fldvalue_dyna[0]:0x00 0x00
0x00 0x00
fldcontrol[0].inuse = 0x0  fldcontrol[0].refcnt = 0x00 0x00 0x00
0x00
fldoffset[1] = 0x00,fldmask[1] = 0x00,fldvalue_dyna[1]:0x00 0x00
0x00 0x00
fldcontrol[1].inuse = 0x0  fldcontrol[1].refcnt = 0x00 0x00 0x00
0x00
fldoffset[2] = 0x00,fldmask[2] = 0x00,fldvalue_dyna[2]:0x00 0x00
0x00 0x00
fldcontrol[2].inuse = 0x0  fldcontrol[2].refcnt = 0x00 0x00 0x00
0x00
fldoffset[3] = 0x00,fldmask[3] = 0x00,fldvalue_dyna[3]:0x00 0x00
0x00 0x00
fldcontrol[3].inuse = 0x0  fldcontrol[3].refcnt = 0x00 0x00 0x00
0x00
fldoffset[4] = 0x00,fldmask[4] = 0x00,fldvalue_dyna[4]:0x00 0x00
0x00 0x00
fldcontrol[4].inuse = 0x0  fldcontrol[4].refcnt = 0x00 0x00 0x00
0x00
fldoffset[5] = 0x00,fldmask[5] = 0x00,fldvalue_dyna[5]:0x00 0x00
0x00 0x00
fldcontrol[5].inuse = 0x0  fldcontrol[5].refcnt = 0x00 0x00 0x00
0x00
fldoffset[6] = 0x00,fldmask[6] = 0x00,fldvalue_dyna[6]:0x00 0x00
0x00 0x00
fldcontrol[6].inuse = 0x0  fldcontrol[6].refcnt = 0x00 0x00 0x00
0x00
fldoffset[7] = 0x00,fldmask[7] = 0x00,fldvalue_dyna[7]:0x00 0x00
```

```
0x00 0x00
fldcontrol[7].inuse = 0x0  fldcontrol[7].refcnt = 0x00 0x00 0x00
0x00
fldoffset[8] = 0x00,fldmask[8] = 0x00,fldvalue_dyna[8]:0x00 0x00
0x00 0x00
fldcontrol[8].inuse = 0x0  fldcontrol[8].refcnt = 0x00 0x00 0x00
0x00
fldoffset[9] = 0x00,fldmask[9] = 0x00,fldvalue_dyna[9]:0x00 0x00
0x00 0x00
fldcontrol[9].inuse = 0x0  fldcontrol[9].refcnt = 0x00 0x00 0x00
0x00
fldoffset[10] = 0x00,fldmask[10] = 0x00,fldvalue_dyna[10]:0x00 0x00
0x00 0x00
fldcontrol[10].inuse = 0x0  fldcontrol[10].refcnt = 0x00 0x00 0x00
0x00
fldoffset[11] = 0x00,fldmask[11] = 0x00,fldvalue_dyna[11]:0x00 0x00
0x00 0x00
fldcontrol[11].inuse = 0x0  fldcontrol[11].refcnt = 0x00 0x00 0x00
0x00
fldoffset[12] = 0x00,fldmask[12] = 0x00,fldvalue_dyna[12]:0x00 0x00
0x00 0x00
fldcontrol[12].inuse = 0x0  fldcontrol[12].refcnt = 0x00 0x00 0x00
0x00
fldoffset[13] = 0x00,fldmask[13] = 0x00,fldvalue_dyna[13]:0x00 0x00
0x00 0x00
fldcontrol[13].inuse = 0x0  fldcontrol[13].refcnt = 0x00 0x00 0x00
0x00
fldoffset[14] = 0x00,fldmask[14] = 0x00,fldvalue_dyna[14]:0x00 0x00
0x00 0x00
fldcontrol[14].inuse = 0x0  fldcontrol[14].refcnt = 0x00 0x00 0x00
0x00
fldoffset[15] = 0x00,fldmask[15] = 0x00,fldvalue_dyna[15]:0x00 0x00
0x00 0x00
fldcontrol[15].inuse = 0x0  fldcontrol[15].refcnt = 0x00 0x00 0x00
0x00
fldoffset[16] = 0x00,fldmask[16] = 0x00,fldvalue_dyna[16]:0x00 0x00
0x00 0x00
fldcontrol[16].inuse = 0x0  fldcontrol[16].refcnt = 0x00 0x00 0x00
0x00
fldoffset[17] = 0x00,fldmask[17] = 0x00,fldvalue_dyna[17]:0x00 0x00
0x00 0x00
fldcontrol[17].inuse = 0x0  fldcontrol[17].refcnt = 0x00 0x00 0x00
0x00
fldoffset[18] = 0x00,fldmask[18] = 0x00,fldvalue_dyna[18]:0x00 0x00
0x00 0x00
fldcontrol[18].inuse = 0x0  fldcontrol[18].refcnt = 0x00 0x00 0x00
0x00
fldoffset[19] = 0x00,fldmask[19] = 0x00,fldvalue_dyna[19]:0x00 0x00
0x00 0x00
fldcontrol[19].inuse = 0x0  fldcontrol[19].refcnt = 0x00 0x00 0x00
0x00

Real fields:
```

```
fldoffset RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fldmask RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fld value4 RAM:
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
Field dirty indicator: 0x00000000

FDB reference count fdb: 0 [0 0 0 0 ]
FDB reference count fdb: 1 [0 0 0 0 ]
FDB reference count fdb: 2 [0 0 0 0 ]
FDB reference count fdb: 3 [0 0 0 0 ]
FDB reference count fdb: 4 [0 0 0 0 ]
FDB reference count fdb: 5 [0 0 0 0 ]
FDB reference count fdb: 6 [0 0 0 0 ]
FDB reference count fdb: 7 [0 0 0 0 ]
FDB reference count fdb: 8 [0 0 0 0 ]
FDB reference count fdb: 9 [0 0 0 0 ]
FDB reference count fdb: 10 [0 0 0 0 ]
FDB reference count fdb: 11 [0 0 0 0 ]
FDB reference count fdb: 12 [0 0 0 0 ]
FDB reference count fdb: 13 [0 0 0 0 ]
FDB reference count fdb: 14 [0 0 0 0 ]
FDB reference count fdb: 15 [0 0 0 0 ]
FDB reference count fdb: 16 [0 0 0 0 ]
FDB reference count fdb: 17 [0 0 0 0 ]
FDB reference count fdb: 18 [0 0 0 0 ]
FDB reference count fdb: 19 [0 0 0 0 ]

Filter counters:
   Filter counter 0: 0  (MIRROR1)
   Filter counter 1: 0  (MIRROR2)
   Filter counter 2: 0  (MIRROR3)
   Filter counter 3: 0  (MIRROR4)
   Filter counter 4: 0  (AEPORT_NON_MIRR_DROP)
```

```
   Filter counter 5: 0  (ZONING TRAP)
   Filter counter 6: 0  (FCR_EXPORT_DC)
   Filter counter 7: 0  (TIN TRAP)
   Filter counter 8: 0  (FICON CUP)
   Filter counter 9: 0  (FICON CUP DST)
   Filter counter 10: 0 (WELL KNOWN ADDR)
   Filter counter 11: 0 (SIM)
   Filter counter 12: 0 (UNUSED)
   Filter counter 13: 0 (UNUSED)
   Filter counter 14: 0 (UNUSED)
   Filter counter 15: 0 (UNUSED)
   Filter counter 16: 0 (PERF1)
   Filter counter 17: 0 (PERF2)
   Filter counter 18: 0 (PERF3)
   Filter counter 19: 0 (PERF4)
   Filter counter 20: 0 (PERF5)
   Filter counter 21: 0 (PERF6)
   Filter counter 22: 0 (PERF7)
   Filter counter 23: 0 (PERF8)
   Filter counter 24: 0 (PERF9)
   Filter counter 25: 0 (PERF10)
   Filter counter 26: 0 (PERF11)
   Filter counter 27: 0 (PERF12)
   Filter counter 28: 0 (OPM1)
   Filter counter 29: 0 (OPM2)
   Filter counter 30: 0 (IPM1)
   Filter counter 31: 0 (IPM2)

               ACL DATA
               --------
Logical port 15: Hard Zoning disabled, Soft Zoning disabled
Zone type: WWN Zoning
Frames with hard zone miss: 0

*** Please use filterportshow on user port 56 to display ACL hash
tables and Mirroring resources of thischip.
 ***We show this data only for the first physical port which is an
exernal port.

portFcPortCmdShow --slot 0 54 3
doing portFcPortCmdShow: arg1 = 3, arg2 = -2

portshow 54
portDisableReason: None
portCFlags: 0x0
portFlags: 0x4021        PRESENT U_PORT DISABLED LED
LocalSwcFlags: 0x0
portType:  26.0
POD Port: Need license to enable the port
portState: 2    Offline
Protocol: FC
portPhys:  2    No_Module       portScn:   2    Offline
port generation number:    0
state transition count:    0
```

```
portId:    013600
portIfId:    4302000d
portWwn:   20:36:d8:1f:cc:2c:99:90
portWwn of device(s) connected:
16b Area list:
Distance:  normal
portSpeed: N32Gbps

FEC: Inactive
Credit Recovery: Inactive
LE domain: 0
Peer beacon: Off
FC Fastwrite: OFF
Interrupts:        0          Link_failure: 0          Frjt:
0
Unknown:           0          Loss_of_sync: 0          Fbsy:
0
Lli:               0          Loss_of_sig:  0
Proc_rqrd:         0          Protocol_err: 0
Timed_out:         0          Invalid_word: 0
Tx_unavail:        0          Invalid_crc:  0
Delim_err:         0          Address_err:  0
Lr_in:             0          Ols_in:       0
Lr_out:            0          Ols_out:      0


portloginshow 54
Type  PID     World Wide Name        credit df_sz cos
=====================================================


portloginshow 54 -history
 Type  PID      World Wide Name           logout time
============================================================


portregshow 54

LED registers
=============
0x81c6a000: c4_led_status           00000000    0x81c6a004:
c4_led_ctl              00000000

FPL registers
=============
0x81c68200: fpl_port_config         23490000
0x81c6820c: fpl_port_id_ctl         00000000    0x81c68210:
fpl_port_id_addr        00013600
0x81c68214: fpl_port_speed          00000004    0x81c6821c:
fpl_lli_ctl             00000903
0x81c68228: fpl_lli_os_ctl          bc95b5b5    0x81c6822c:
fpl_lli_send_word       bc95b5b5
0x81c68230: fpl_lli_mark_rx         00000000    0x81c68234:
```

```
fpl_lli_rnd_trip_time   00000000
0x81c68238: fpl_lli_ns_status       80070007    0x81c6823c:
fpl_lli_intr_status     80070007
0x81c68244: fpl_lli_def             00000000    0x81c68254:
fpl_lli_intr_enable_clr 00100000
0x81c68258: fpl_err_intr_status     00000000    0x81c68260:
fpl_err_intr_enable_clr 00000000
0x81c68268: fpl_err_first_error     00000000    0x81c6826c:
fpl_speed_neg_ctl       00000000
0x81c68270: fpl_speed_neg_stat      00000000    0x81c68274:
fpl_softasn_ctl         0000000f
0x81c68278: fpl_link_init_ctl       00000000    0x81c6827c:
fpl_link_init_stat      00000000
0x81c68280: fpl_aec_ctl             00051060    0x81c68284:
fpl_aec_ctl2            04009f60
0x81c68288: fpl_pcs_ctl             00000160    0x81c6828c:
fpl_fec_ctl             00000441
0x81c68290: fpl_fec_cor             00000000    0x81c68294:
fpl_fec_uncor           00000000
0x81c68298: fpl_hss_link_ctl        0031f040    0x81c6829c:
fpl_afifo_link_ctl      00000a86
0x81c682a0: fpl_echo_lb_ctl         0000028c    0x81c682a4:
fpl_scratch             00000121
0x81c682a8: fpl_debug               00030005    0x81c682ac:
fpl_misc_debug          00001800
0x00000000: SW_shadow_reg           00000000    0x00000000:
SW_c4_phyp->cfgptr      00030000

per-fpg (per octet) registers
=============================
0x8180b82c: fpg_serdes_ctla0        81a37be7    0x8180b830:
fpg_serdes_ctla1        81a37be7
0x8180b834: fpg_serdes_ctlb0        81a1c3c3    0x8180b838:
fpg_serdes_ctlb1        81a1c3c3
0x8180b83c: fpg_serdes_xgmii_1ms    00067c28    0x8180b840:
fpg_serdes_regtimctl    40e47946
0x8180b844: fpg_serdes_asnrsttimctl 00000102

HSS PLL registers
=============================
0x8180b400: 00_hssplla_vco_coarse_cal0      00000000    0x8180b404:
01_hssplla_vco_coarse_cal1      00000014
0x8180b408: 02_hssplla_vco_coarse_cal2      00000000    0x8180b40c:
03_hssplla_vco_coarse_cal3      00000000
0x8180b410: 04_hssplla_vco_coarse_cal4      00000000    0x8180b424:
09_hssplla_power_ctl            00000000
0x8180b428: 0A_hssplla_charge_pump_ctl      00000004    0x8180b438:
0E_hssplla_pll_misc_ctl         00000000
0x8180b43c: 0F_hssplla_pclk_ctl             000000f8    0x8180b440:
10_hssplla_eyem_intv_ctl        00000000
0x8180b444: 11_hssplla_eyem_intv_lim1       00000000    0x8180b448:
12_hssplla_eyem_intv_lim2       00000000
0x8180b44c: 13_hssplla_eyem_intv_lim3       00000000    0x8180b450:
14_hssplla_eyem_intv_lim4       00000000
```

```
0x8180b4f0: 3C_hssplla_macro_tst_ctl4       00000000    0x8180b4f4:
3D_hssplla_macro_tst_ctl3       00000000
0x8180b4f8: 3E_hssplla_macro_tst_ctl2       00000000    0x8180b4fc:
3F_hssplla_macro_tst_ctl1       00000000
0x8180b500: 00_hssplb_vco_coarse_cal0       0000000a    0x8180b504:
01_hssplb_vco_coarse_cal1       00000014
0x8180b508: 02_hssplb_vco_coarse_cal2       00000000    0x8180b50c:
03_hssplb_vco_coarse_cal3       00000000
0x8180b510: 04_hssplb_vco_coarse_cal4       00000000    0x8180b524:
09_hssplb_power_ctl             00000000
0x8180b528: 0A_hssplb_charge_pump_ctl       00000004    0x8180b538:
0E_hssplb_pll_misc_ctl          00000000
0x8180b53c: 0F_hssplb_pclk_ctl              000000f8    0x8180b540:
10_hssplb_eyem_intv_ctl         00000000
0x8180b544: 11_hssplb_eyem_intv_lim1        00000000    0x8180b548:
12_hssplb_eyem_intv_lim2        00000000
0x8180b54c: 13_hssplb_eyem_intv_lim3        00000000    0x8180b550:
14_hssplb_eyem_intv_lim4        00000000
0x8180b5f0: 3C_hssplb_macro_tst_ctl4        00000000    0x8180b5f4:
3D_hssplb_macro_tst_ctl3        00000000
0x8180b5f8: 3E_hssplb_macro_tst_ctl2        00000000    0x8180b5fc:
3F_hssplb_macro_tst_ctl1        00000000

HSS TX registers
================
0x8180a100: 00_hsstx_cfg_mode_PHY           00009f48    0x8180a104:
01_hsstx_test_ctl               00000000
0x8180a108: 02_hsstx_coeff_ctl_INV          00000000    0x8180a10c:
03_hsstx_drv_mode_ctl           00000000
0x8180a110: 04_hsstx_drv_ovrd_ctl           00000010    0x8180a114:
05_hsstx_dclk_align_ovrd        00000080
0x8180a118: 06_hsstx_imp_cal_ovrd           00000c0c    0x8180a11c:
07_hsstx_dclk_drift_tol         00000004
0x8180a120: 08_hsstx_tap0_coeff_TUNE        00000000    0x8180a124:
09_hsstx_tap1_coeff_TUNE        00000003
0x8180a128: 0A_hsstx_tap2_coeff_TUNE        00000018    0x8180a12c:
0B_hsstx_tap3_coeff_TUNE        0000000d
0x8180a134: 0D_hsstx_pol_INV                00000004    0x8180a138:
0E_hsstx_ae_cmd                 00000000
0x8180a13c: 0F_hsstx_ae_stat                00000000    0x8180a140:
10_hsstx_ae_tap0_TUNE           00000000
0x8180a144: 11_hsstx_ae_tap1_TUNE           00000000    0x8180a148:
12_hsstx_ae_tap2_TUNE           00000028
0x8180a14c: 13_hsstx_ae_tap3_TUNE           00000000    0x8180a154:
15_hsstx_app_tune               0000120e
0x8180a158: 16_hsstx_analog_diag            00000000    0x8180a160:
18_hsstx_4x_seg_app             0000aafa
0x8180a164: 19_hsstx_2x_seg_app             00000000    0x8180a168:
1A_hsstx_1x_seg_app             0000ff5d
0x8180a16c: 1B_hsstx_seg_4x_term_app        00000000    0x8180a170:
1C_hsstx_seg_2x1x_term_app      00000f00
0x8180a174: 1D_hsstx_tap_sign_app           00000004    0x8180a178:
1E_hsstx_ext_addr_data          00000001
0x8180a17c: 1F_hsstx_ext_addr_addr          00000000    0x8180a180:
```

```
20_hsstx_pat_buf_bytes_1_0      00000000
0x8180a184: 21_hsstx_pat_buf_bytes_3_2      00000000    0x8180a188:
22_hsstx_pat_buf_bytes_5_4      00000000
0x8180a18c: 23_hsstx_pat_buf_bytes_7_6      00000000    0x8180a19c:
27_hsstx_8023az_ctl             00000000
0x8180a1a0: 28_hsstx_dcc_ctl                000060c0    0x8180a1a4:
29_hsstx_dcc_ovrd               00000000
0x8180a1a8: 2A_hsstx_dcc_app                00000000    0x8180a1ac:
2B_hsstx_dcc_timeout            0000ffff
0x8180a1c0: 30_hsstx_tap_sign_ovrd          00000000    0x8180a1c8:
32_hsstx_seg_4x_ovrd            00000000
0x8180a1cc: 33_hsstx_seg_2x_ovrd            00000000    0x8180a1d0:
34_hsstx_seg_1x_ovrd            00000000
0x8180a1d8: 36_hsstx_tap_seg_4x_term_ovrd   00000000    0x8180a1dc:
37_hsstx_tap_seg_2x_term_ovrd   00000000
0x8180a1e0: 38_hsstx_tap_seg_1x_term_ovrd   00000000    0x8180a1ec:
3B_hsstx_mac_test_ctl5          00000000
0x8180a1f0: 3C_hsstx_mac_test_ctl4          00000000    0x8180a1f4:
3D_hsstx_mac_test_ctl3          00000000
0x8180a1f8: 3E_hsstx_mac_test_ctl2          00000000    0x8180a1fc:
3F_hsstx_mac_test_ctl1          000000c6

HSS RX registers
================
0x8180a300: 00_hssrx_cfg_mode_PHY           00009e78    0x8180a304:
01_hssrx_test_ctl               00000000
0x8180a308: 02_hssrx_phs_rot_ctl            0000cb80    0x8180a30c:
03_hssrx_phs_rot_ofs_ctl        00000610
0x8180a310: 04_hssrx_phs_rot_posn1          00003a3a    0x8180a314:
05_hssrx_phs_rot_posn2          0000002a
0x8180a318: 06_hssrx_phs_rot_sta_ofs1       00000000    0x8180a31c:
07_hssrx_phs_rot_sta_ofs2       00000000
0x8180a320: 08_hssrx_dfe_ctl_PHY            00002002    0x8180a324:
09_hssrx_dfe_smpl_snap1         00000000
0x8180a328: 0A_hssrx_dfe_smpl_snap2         00008000    0x8180a32c:
0B_hssrx_vga_ctl1               00004015
0x8180a330: 0C_hssrx_vga_ctl2               00007aa0    0x8180a334:
0D_hssrx_vga_ctl3               000009e4
0x8180a338: 0E_hssrx_pwr_mgmnt_ctl          0000001f    0x8180a33c:
0F_hssrx_iqamp_ctl1             0000001a
0x8180a340: 10_hssrx_iqamp_ctl2             00000006    0x8180a344:
11_hssrx_dacap_dacan_sel        00000003
0x8180a348: 12_hssrx_dacap_dacan            0000fffd    0x8180a34c:
13_hssrx_daca_min               00000000
0x8180a350: 14_hssrx_adac_ctl               000000ff    0x8180a354:
15_hssrx_ac_cp_ctl              000031c3
0x8180a358: 16_hssrx_ac_cp_val              00000050    0x8180a35c:
17_hssrx_dfe_h1h2h3_lcl_off_ch  00000014
0x8180a360: 18_hssrx_dfe_h1h2h3_lcl_off_val 00000000    0x8180a364:
19_hssrx_peaked_intg            000000ff
0x8180a368: 1A_hssrx_cdr_analog_sw          0000ce00    0x8180a36c:
1B_hssrx_peaking_amp_init_c_PHY 00000000
0x8180a370: 1C_hssrx_dac_dpc                00000040    0x8180a374:
1D_hssrx_ddc                    00000000
```

```
0x8180a378: 1E_hssrx_int_stat_PHY          00000c0f    0x8180a37c:
1F_hssrx_dfe_func_ctl1_PHY      0000ffff
0x8180a380: 20_hssrx_dfe_func_ctl2_INV     00007ebf    0x8180a384:
21_hssrx_ofs_ch_dcc_qcc_idx     00002000
0x8180a388: 22_hssrx_dfe_ofs_val           0000097a    0x8180a38c:
23_hssrx_h_coeff_bist           0000043f
0x8180a390: 24_hssrx_ac_cap_bist           00000000    0x8180a394:
25_hssrx_max_gain_path_idx_res  00007800
0x8180a398: 26_hssrx_loff_ctl              00000054    0x8180a39c:
27_hssrx_sigdet_ctl             00002180
0x8180a3a0: 28_hssrx_ana_ctl_sw            00000000    0x8180a3a4:
29_hssrx_intg_dac_ofs           0000dcdf
0x8180a3a8: 2A_hssrx_eye_ctl               00000000    0x8180a3ac:
2B_hssrx_eye_met                00000004
0x8180a3b0: 2C_hssrx_eye_met_err_cnt       00000000    0x8180a3b4:
2D_hssrx_eye_met_pdf_eyec       00000000
0x8180a3b8: 2E_hssrx_eye_met_pat_len       0000007f    0x8180a3bc:
2F_hssrx_dfe_func_ctl3          0000dfff
0x8180a3c0: 30_hssrx_dfe_tap_ctl_idx_ptr   00000008    0x8180a3c4:
31_hssrx_dfe_tap                00003030
0x8180a3c8: 32_hssrx_lte_ctl_TUNE          00001601    0x8180a3e4:
39_hssrx_int_stat2              000041ff
0x8180a3e8: 3A_hssrx_ac_cpl_cur_src_adj    00000040    0x8180a3ec:
3B_hssrx_dcd_ctl                00007c54
0x8180a3f0: 3C_hssrx_dcc_ctl               00000d84    0x8180a3f4:
3D_hssrx_qcc_ctl                0000694e
0x8180a3f8: 3E_hssrx_mac_test_ctl2         00000000    0x8180a3fc:
3F_hssrx_mac_test_ctl1          00000000
0x8180a348: 12_hssrx_dacap_dacan[02]                00fd fffd
0x8180a360: 18_hssrx_dfe_h1h2h3_lcl_off_va[00]      0000 0000   0000
0000   0000 0000   0000 0000
0x8180a360: 18_hssrx_dfe_h1h2h3_lcl_off_va[08]      0000 0000   0000
0000   0000 0000   0000 0000
0x8180a360: 18_hssrx_dfe_h1h2h3_lcl_off_va[16]      0000 0000   0000
0000   0000
0x8180a388: 22_hssrx_dfe_ofs_val[00][00]            097a 7f00   0304
0000   7f09 007f
0x8180a388: 22_hssrx_dfe_ofs_val[03][00]            0d01 7f00   7f09
007f   017e 7f00
0x8180a388: 22_hssrx_dfe_ofs_val[06][00]            7f7b 7f00   7907
007f   7c7f 7f00
0x8180a388: 22_hssrx_dfe_ofs_val[09][00]            057f 7f00   7b00
0000   7f0a 007f
0x8180a388: 22_hssrx_dfe_ofs_val[12][00]            0509 007f   797f
0000   7d79 0000
0x8180a388: 22_hssrx_dfe_ofs_val[15][00]            7b05 007f   077b
0000   067d 0000
0x8180a388: 22_hssrx_dfe_ofs_val[18][00]            7a7d 0001   0101
0000   007b 0000
0x8180a388: 22_hssrx_dfe_ofs_val[21][00]            007b 0000   007b
0000   007b 0000
0x8180a388: 22_hssrx_dfe_ofs_val[24][00]            017f 0000   7f01
0000   0001 0000
0x8180a394: 25_hssrx_max_gain_path_idx_res[00]      005d 0849   1107
```

```
18a3   20f0 28b0   3096 3800
0x8180a394: 25_hssrx_max_gain_path_idx_res[08]      40e0 48a0   5089
5800   6040 6800   70fa 7800
0x8180a3c4: 31_hssrx_dfe_tap[00]                    fffe 8080   0000
0000   0030 0030   3030 3030
0x8180a3c4: 31_hssrx_dfe_tap[08]                    3030 3030   3030
0000
0x8180a3e8: 3A_hssrx_ac_cpl_cur_src_adj[00]         0040 0040   0040
0040
0x8180a3ec: 3B_hssrx_dcd_ctl[00]                    7c54 5c00   7c81
5c00   7c00
0x8180a3f0: 3C_hssrx_dcc_ctl[00]                    0d84 0d00   0d00
0d41
0x8180a3f4: 3D_hssrx_qcc_ctl[00]                    698a 694e

xfipcs, fec, aec, & aet registers
=================================
0x81c68400: xfipcs_reg              [00] 00002040 00000080 00000000
00000000    00000001 00000008 00000000 00000000
0x81c68420: xfipcs_reg              [08] 00008c01 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c68440: xfipcs_reg              [16] 00000000 00000000 00000000
00000000    00000040 00000000 00000000 00000000
0x81c68460: xfipcs_reg              [24] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c68480: xfipcs_reg              [32] 00000004 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c68620: fec_32g_128g_reg        [08] 00000000 00000000 00000000
00000000    00000000 00000000 00000000
0x81c68648: fec_32g_128g_reg        [18] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c68a00: aec_reg                 [00] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c68c00: aet_reg                 [00] 00000000 00000000 00000000
00000000    00000000

bbc registers
=============
0x81c69800: bbc_trc                 0    0    0    0    0    0    0
0
0x81c69840: bbc_trc                 0    0    0    0    0    0    0
0
0x81c69880: bbc_trc                 0    0    0    0    0    0    0
0
0x81c698c0: bbc_trc                 0    0    0    0    0    0    0
0
0x81c69900: bbc_trc                 0    0    0    0    0    0    0
0
0x81c69804: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c69844: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c69884: bbc_mbc                 0    0    0    0    0    0    0
0
```

```
0x81c698c4: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c69904: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c69a00: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c69a20: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c69a40: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c69a60: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c69a80: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c69c00: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c69c20: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c69c40: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c69c60: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c69c80: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c69d00: bbc_fbpc                00000000    0x81c69d04: bbc_csc
00000000
0x81c69d08: bbc_rcc_inc             00000000    0x81c69d0c:
bbc_rqc_inc             00000000
0x81c69d10: bbc_fbpc_inc            00000000    0x81c69d14:
bbc_tmc_inc             00000000
0x81c69d18: bbc_threshold           00080100    0x81c69d1c:
bbc_counter_clr         00000000
0x81c69d20: bbc_debug_en            00000000    0x81c69d24: bbc_ctrl
00200020
0x81c69d28: bbc_rqc_rcc_thresh      00000055    0x81c69d34:
bbc_bb_sc_n             00000000
0x81c69d38: bbc_crd_reco_debug      00000000    0x81c69d3c:
bbc_crd_reco_debug_data 00000000
0x81c69d40: bbc_multi_frm_loss_cnt  00000000    0x81c69d44:
bbc_multi_rdy_loss_cnt  00000000
0x81c69d48: bbc_1frm_loss_recov_cnt 00000000    0x81c69d4c:
bbc_1rdy_loss_recov_cnt 00000000
0x81c69d58: bbc_int_status          00000000    0x81c69d5c:
bbc_int_set             00000000
0x81c69d60: bbc_int_first           00000000    0x81c69d64:
bbc_frm_rdy_rx_err_addr 00000000
0x81c69d68: bbc_frm_rdy_tx_err_addr 00000000    0x81c69d6c:
bbc_trc_mbc_err_addr    00000000
0x81c69d70: bbc_frm_rdy_rx_dbl_ecc  00000000    0x81c69d74:
bbc_frm_rdy_tx_dbl_ecc  00000000
0x81c69d78: bbc_trc_mbc_dbl_ecc     00000000
0x81c69d7c: bbc_fsm_status          00001011    0x81c69d80:
bbc_force_err           00000000
0x81c69d84: bbc_crdt_avail0         ffffffff    0x81c69d88:
```

```
bbc_crdt_avail1         000000ff
0x81c69d8c: bbc_scratch             00000000

FPS registers
=============
0x81c68004: fps_er_enc_in           00000000    0x81c68008:
fps_er_crc              00000000
0x81c6800c: fps_er_trunc            00000000    0x81c68010:
fps_er_toolong          00000000
0x81c68014: fps_er_bad_eof          00000000    0x81c68018:
fps_er_enc_out          00000000
0x81c6801c: fps_er_bad_os           00000000    0x81c68020:
fps_er_flush            00000000
0x81c68024: fps_er_ifg              00000000    0x81c68038:
fps_er_crc_good_eof     00000000
0x81c6803c: fps_inv_arb             00000000    0x81c68040:
fps_slow_sts_status     00000000
0x81c68044: fps_tx_frm_cnt          00000000    0x81c68048:
fps_rx_frm_cnt          00000000
0x81c68050: fps_tx_word_cnt_hi      00000000    0x81c6804c:
fps_tx_word_cnt_lo      00000000
0x81c68058: fps_rx_word_cnt_hi      00000000    0x81c68054:
fps_rx_word_cnt_lo      00000000

BAL registers
=============
0x81c6f000: bal_desired_buf         00000000    0x81c6f004:
bal_alloc_buf           00000000
0x81c6f008: bal_busy_buf            00000000    0x81c6f00c:
bal_usable_buf          00000000
0x81c6f010: bal_max_bor_buf         00000000
0x81c6f014: bal_busy_buf_thresh     00000002

TXQ registers
=============
0x81c6b004: txq_phys_port_ctl       00450000
0x81c6b050: txq_link_skew           00000000
0x81c6b068: txq_cr_lk_dttn_intr_sts [00] 00000000 00000000
0x81c6b070: txq_cr_lk_dttn_intr_en  [00] 00000000 00000000
0x81c6b024: txq_disc_frm_trap_cnt   00000014

FDS registers
=============
0x81c6c000: fds_rxf_ctl             00000002    0x81c6c004:
fds_rxf_wait_thresh     00000909
0x81c6c018: fds_rxf_first_error     00000000    0x81c6c01c:
fds_rxf_first_error_info00000000
0x81c6c020: fds_rxf_inout_pkt_cnt   00000000
0x81c6c008: fds_rxf_err_int_status  00000000    0x81c6c024:
fds_rxf_fifo_status     00888888
0x81c6d000: fds_txf_ctl             0000003a    0x81c6d004:
fds_txf_wait_ifg_thresh 00a00106
0x81c6d008: fds_txf_err_int_status  00000000    0x81c6d024:
fds_txf_fifo_status     00088888
```

```
0x81c6d02c: fds_txf_bbc_scs         00000000

Logical TXQ registers
=====================
0x81c6b000: txq_log_port_ctl        00000002    0x81c6b008:
txq_port_status         00000000
0x81c6b00c: txq_todo_flags          [00] 00000000 00000000
0x81c6b014: txq_spd_match_desc      [00] 00000000 00000000 00000000
00000000
0x81c6b024: txq_spd_match_desc      [04] 00000014
0x81c6b028: txq_vc_weight           [00] 01010101 01010101 01010101
01010101
0x81c6b038: txq_vc_weight           [04] 01010101 01010101 01010101
01010101
0x81c6b048: txq_vc_weight           [08] 01010101 00010101
0x81c6b054: txq_cong_dttn_ctrl      00000000
0x81c6b058: txq_cong_dttn_intr_sts  [00] 00000000 00000000
0x81c6b060: txq_cong_dttn_intr_en   [00] 00000000 00000000
0x81c6b078: txq_bw_limit_en_reg     [00] 00000000 00000000
0x81c6b080: txq_bw_gua_en_reg       [00] 00000000 00000000
0x81c6b088: txq_vc_group            [00] 03030300 03030303 03030303
03030303
0x81c6b098: txq_vc_group            [04] 03030303 03030303 03030303
03030303
0x81c6b0a8: txq_vc_group            [08] 03030303 03030303 00000000
00000000
0x81c6b0b0: txq_bw_thresh_group     [00] 00000000 00000000 00000000
00000000
0x81c6b0c0: txq_bw_thresh_group     [04] 00000000 00000000 00000000
00000000
0x81c6b0d0: txq_bw_thresh_group     [08] 00000000 00000000 00000000
00000000
0x81c6b0e0: txq_bw_thresh_group     [12] 00000000 00000000 00000000
00000000
0x81c6b0f0: txq_bw_thresh_group     [16] 00000000 00000000 00000000
00000000
0x81c6b100: txq_bw_thresh_group     [20] 00000000 00000000 00000000
00000000
0x81c6b110: txq_bw_thresh_group     [24] 00000000 00000000 00000000
00000000
0x81c6b120: txq_bw_thresh_group     [28] 00000000 00000000 00000000
00000000
0x81c6b130: txq_bw_thresh_group     [32] 00000000 00000000 00000000
00000000
0x81c6b140: txq_bw_thresh_group     [36] 00000000 00000000 00000000
00000000

txq Congestion detection Statistics RAM
=======================================
0x81090820: vc[0]       00000000        0x81090824: vc[1]
00000000
0x81090828: vc[2]       00000000        0x8109082c: vc[3]
00000000
0x81090830: vc[4]       00000000        0x81090834: vc[5]
```

```
00000000
0x81090838: vc[6]       00000000        0x8109083c: vc[7]
00000000
0x81090840: vc[8]       00000000        0x81090844: vc[9]
00000000
0x81090848: vc[10]      00000000        0x8109084c: vc[11]
00000000
0x81090850: vc[12]      00000000        0x81090854: vc[13]
00000000
0x81090858: vc[14]      00000000        0x8109085c: vc[15]
00000000
0x81090860: vc[16]      00000000        0x81090864: vc[17]
00000000
0x81090868: vc[18]      00000000        0x8109086c: vc[19]
00000000
0x81090870: vc[20]      00000000        0x81090874: vc[21]
00000000
0x81090878: vc[22]      00000000        0x8109087c: vc[23]
00000000
0x81090880: vc[24]      00000000        0x81090884: vc[25]
00000000
0x81090888: vc[26]      00000000        0x8109088c: vc[27]
00000000
0x81090890: vc[28]      00000000        0x81090894: vc[29]
00000000
0x81090898: vc[30]      00000000        0x8109089c: vc[31]
00000000
0x810908a0: vc[32]      00000000        0x810908a4: vc[33]
00000000
0x810908a8: vc[34]      00000000        0x810908ac: vc[35]
00000000
0x810908b0: vc[36]      00000000        0x810908b4: vc[37]
00000000
0x810908b8: vc[38]      00000000        0x810908bc: vc[39]
00000000


Logical STS registers
=====================
0x81584a44: sts_ftb_type1_miss      00000000
0x81584a48: sts_ftb_type2_miss      00000000
0x81584a4c: sts_ftb_type6_miss      00000000
0x81584a50: sts_hard_zoning_miss    00000000
0x81584a54: sts_lun_zoning_miss     00000000
0x81584a5c: sts_unroutable          00000000
0x81581a74: sts_rte_cl2             00000000    0x81581a78:
sts_rte_cl3             00000000        0x81581a7c: sts_rte_link_ctl
00000000        0x81584a68: sts_tx_timeout          00000000

Logical STS filter registers
=====================
0x815849c0: sts_flt_trig            [00] 00000000 00000000 00000000
00000000
0x815849d0: sts_flt_trig            [04] 00000000 00000000 00000000
```

```
00000000
0x815849e0: sts_flt_trig            [08] 00000000 00000000 00000000
00000000
0x815849f0: sts_flt_trig            [12] 00000000 00000000 00000000
00000000
0x81584a00: sts_flt_trig            [16] 00000000 00000000 00000000
00000000
0x81584a10: sts_flt_trig            [20] 00000000 00000000 00000000
00000000
0x81584a20: sts_flt_trig            [24] 00000000 00000000 00000000
00000000
0x81584a30: sts_flt_trig            [28] 00000000 00000000 00000000
00000000
0x81584a40: sts_flt_trig            [32]

Logical STS discard registers
=====================
0x815822e4: disc_mcast_wka          00000000    0x815822e8:
disc_inv_did            00000000
0x815822ec: disc_cl1_cl4            00000000    0x815822f0:
disc_sid_chk_fail       00000000
0x815822f4: disc_inv_dom_egid_txpt  00000000    0x815822f8:
disc_vft_hop_cnt_1      00000000
0x815822fc: disc_classf             00000000    0x81582300:
disc_fcp_cdb_inv        00000000
0x81582304: disc_vfid_trap_enabled  00000000    0x81582308:
disc_vfid_hdr_chk_fail  00000000
0x8158230c: disc_shim_cksum_fail    00000000    0x81582310:
disc_fed_edit_cmd_err   00000000
0x81582314: disc_ftb_vm_mode        00000000    0x81582318:
disc_ftb_agn_t2_miss    00000000
0x8158231c: disc_ecb_reserved       00000000    0x81582320:
disc_ecb_de_pad_err     00000000
0x81582324: disc_ecb_de_tag_err     00000000    0x81582328:
disc_ecb_de_seq_err     00000000
0x8158232c: disc_ecb_err            00000000    0x81582330:
disc_ftb_type4_match    00000000
0x81582334: disc_fcp_rsp_ftb_type4  00000000    0x81582338:
disc_ftb_type5_match    00000000
0x8158233c: disc_ftb_type3_match    00000000    0x81582340:
disc_els_ftb_type3      00000000
0x81582344: disc_ftb_type1_match    00000000    0x81582348:
disc_els_rsp_ex_port    00000000
0x8158234c: disc_inv_drp_dps        00000000    0x81582350:
disc_did_lookup_miss    00000000
0x81582354: disc_ftb_type2_match    00000000    0x81582358:
disc_trpd_plogi_pdisc   00000000
0x8158235c: disc_type2_lookup_miss  00000000    0x81582360:
disc_ftb_type6_match    00000000
0x81582364: disc_els_rep_ex_port    00000000    0x81582368:
disc_els_sid_lkup_bit1  00000000
0x8158236c: disc_els_sid_lkup_bit0  00000000    0x81582370:
disc_bls_frm_trap_bit1  00000000
0x81582374: disc_ftb_token_err      00000000    0x81582378:
```

```
disc_asic_internal_err  00000000
0x8158237c: disc_hard_zone_miss     00000000    0x81582380:
disc_lun_zone_miss      00000000
0x81582384: disc_flt_frame_disc     00000000    0x81582388:
disc_flt_parity_err     00000000
0x8158238c: disc_frame_marked_du    00000000    0x81582390:
disc_frame_marked_to    00000000
0x81582394: disc_lkup_rte_prty_err  00000000


portstatsshow 54
stat_wtx                0                   4-byte words transmitted
stat_wrx                0                   4-byte words received
stat_ftx                0                   Frames transmitted
stat_frx                0                   Frames received
stat_c2_frx             0                   Class 2 frames received
stat_c3_frx             0                   Class 3 frames received
stat_lc_rx              0                   Link control frames
received
stat_mc_rx              0                   Multicast frames
received
stat_mc_to              0                   Multicast timeouts
stat_mc_tx              0                   Multicast frames
transmitted
tim_txcrd_z             0                   Time TX Credit Zero
(2.5Us ticks)
tim_txcrd_z_vc  0- 3:  0           0           0           0
tim_txcrd_z_vc  4- 7:  0           0           0           0
tim_txcrd_z_vc  8-11:  0           0           0           0
tim_txcrd_z_vc 12-15:  0           0           0           0
lat_tot_pkt_vc  0- 3:  1           1           1           1
lat_tot_pkt_vc  4- 7:  1           1           1           1
lat_tot_pkt_vc  8-11:  1           1           1           1
lat_tot_pkt_vc 12-15:  1           1           1           1
lat_hi_time_vc  0- 3:  0           0           0           0
lat_hi_time_vc  4- 7:  0           0           0           0
lat_hi_time_vc  8-11:  0           0           0           0
lat_hi_time_vc 12-15:  0           0           0           0
lat_lo_time_vc  0- 3:  1           1           1           1
lat_lo_time_vc  4- 7:  1           1           1           1
lat_lo_time_vc  8-11:  1           1           1           1
lat_lo_time_vc 12-15:  1           1           1           1
max_latency_vc  0- 3:  1           1           1           1
max_latency_vc  4- 7:  1           1           1           1
max_latency_vc  8-11:  1           1           1           1
max_latency_vc 12-15:  1           1           1           1
latency_dma_ts          09-09-2024 UTC Mon 08:47:26            TXQ
Latency DMA TimeStamp
fec_cor_detected        0                   Count of blocks that
were corrected by FEC
fec_uncor_detected      0                   Count of blocks that
were left uncorrected by FEC
er_enc_in               0                   Encoding errors inside
of frames
```

```
er_crc                  0                   Frames with CRC errors
er_trunc                0                   Frames shorter than
minimum
er_toolong              0                   Frames longer than
maximum
er_bad_eof              0                   Frames with bad end-of-
frame
er_enc_out              0                   Encoding error outside
of frames
er_bad_os               0                   Invalid ordered set
er_pcs_blk              0                   PCS block errors
er_rx_c3_timeout        0                   Class 3 receive frames
discarded due to timeout
er_tx_c3_timeout        0                   Class 3 transmit frames
discarded due to timeout
er_unroutable           0                   Frames that are
unroutable
er_unreachable          0                   Frame with unreachable
destination
er_other_discard        0                   Other discards
er_type1_miss           0                   frames with FTB type 1
miss
er_type2_miss           0                   frames with FTB type 2
miss
er_type6_miss           0                   frames with FTB type 6
miss
er_zone_miss            0                   frames with hard zoning
miss
er_lun_zone_miss        0                   frames with LUN zoning
miss
er_crc_good_eof         0                   Crc error with good eof
er_inv_arb              0                   Invalid ARB
er_single_credit_loss   0                   Single vcrdy/frame loss
on link
er_multi_credit_loss    0                   Multiple vcrdy/frame
loss on link
other_credit_loss       0                   Link timeout/complete
credit loss
phy_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
phy_port stats clear
lgc_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
lgc_port stats clear
fec_corrected_rate      0                   FEC Corrected blocks per
second

portstats64show 54
stat64_wtx      0           top_int : 4-byte words transmitted
                0           bottom_int : 4-byte words transmitted
stat64_wrx      0           top_int : 4-byte words received
                0           bottom_int : 4-byte words received
stat64_ftx      0           top_int : Frames transmitted
                0           bottom_int : Frames transmitted
stat64_frx      0           top_int : Frames received
                0           bottom_int : Frames received
```

```
stat64_c2_frx   0           top_int : Class 2 frames received
                0           bottom_int : Class 2 frames received
stat64_c3_frx   0           top_int : Class 3 frames received
                0           bottom_int : Class 3 frames received
stat64_lc_rx    0           top_int : Link control frames received
                0           bottom_int : Link control frames
received
stat64_mc_rx    0           top_int : Multicast frames received
                0           bottom_int : Multicast frames received
stat64_mc_to    0           top_int : Multicast timeouts
                0           bottom_int : Multicast timeouts
stat64_mc_tx    0           top_int : Multicast frames transmitted
                0           bottom_int : Multicast frames
transmitted
tim64_rdy_pri   0           top_int : Time R_RDY high priority
                0           bottom_int : Time R_RDY high priority
tim64_txcrd_z   0           top_int : Time BB_credit zero
                0           bottom_int : Time BB_credit zero
er64_enc_in     0           top_int : Encoding errors inside of
frames
                0           bottom_int : Encoding errors inside of
frames
er64_crc        0           top_int : Frames with CRC errors
                0           bottom_int : Frames with CRC errors
er64_trunc      0           top_int : Frames shorter than minimum
                0           bottom_int : Frames shorter than minimum
er64_toolong    0           top_int : Frames longer than maximum
                0           bottom_int : Frames longer than maximum
er64_bad_eof    0           top_int : Frames with bad end-of-frame
                0           bottom_int : Frames with bad end-of-
frame
er64_enc_out    0           top_int : Encoding error outside of
frames
                0           bottom_int : Encoding error outside of
frames
er64_disc_c3    0           top_int : Class 3 frames discarded
                0           bottom_int : Class 3 frames discarded
er64_pcs_blk    0           top_int : PCS block errors
                0           bottom_int : PCS block errors
stat64_rateTxFrame      0           Tx frame rate (fr/sec)
stat64_rateRxFrame      0           Rx frame rate (fr/sec)
stat64_rateTxPeakFrame  0           Tx peak frame rate (fr/sec)
stat64_rateRxPeakFrame  0           Rx peak frame rate (fr/sec)
stat64_rateTxWord       0           Tx Word rate (words/sec)
stat64_rateRxWord       0           Rx Word rate (words/sec)
stat64_rateTxPeakWord   0           Tx peak Word rate (words/sec)
stat64_rateRxPeakWord   0           Rx peak Word rate (words/sec)
stat64_PRJTFrames       0           top_int : Number of PRJT frames
returned to this port
                        0           bottom_int : Number of PRJT
frames returned to this port
stat64_PBSYFrames       0           top_int : Number of PBSY frames
returned to this port
                        0           bottom_int : Number of PBSY
```

```
frames returned to this port
stat64_inputBuffersFull 0           top_int : Number of occurrences
when all input buffers full
                        0           bottom_int : Number of
occurrences when all input buffers full
stat64_rxClass1Frames   0           top_int : Number of class 1
frames received
                        0           bottom_int : Number of class 1
frames received
stat64_aveTxFrameSize   0           Average Tx Frame size
stat64_aveRxFrameSize   0           Average Rx Frame size
Lr_in           0           top_int
                0           bottom_int
Ols_in          0           top_int
                0           bottom_int
Lr_out          0           top_int
                0           bottom_int
Ols_out         0           top_int
                0           bottom_int
Link_failure    0           top_int
                0           bottom_int
Invalid_CRC     0           top_int
                0           bottom_int
Invalid_word    0           top_int
                0           bottom_int
Protocol_err    0           top_int
                0           bottom_int
Loss_of_sig     0           top_int
                0           bottom_int
Loss_of_sync    0           top_int
                0           bottom_int
er_bad_os       0           top_int : Invalid ordered set
                0           bottom_int: Invalid ordered set


portrouteshow 54
port address ID: 0x013600
external unicast routing table:
   0: Embedded
 255: Embedded
internal unicast routing table:
   0: Embedded

portcamshow 54
-------------------------------------------------
Port  SID used  DID used  SID entries  DID entries
54     0         0         000000       000000
-------------------------------------------------

ptbufshow, ptcreditshow, ptdatashow, ptstatsshow 54
S:
S:VF Enable:            1
S:
S:C4 Global Variable:
```

```
S:-------------------------------------------------------------------
---------
S:trace_stop:           0
S:
S:C4 Phy Data Pointers: c4_phyp = 0xb6acd140
S:-------------------------------------------------------------------
---------
S:tnodep                        0xbb83a000      pt
        0x4302800d
S:proto_phyp            0xb88085a0      phy_cfg
0xb6ace180
S:c4_chp                        0x97e28000      c4_lgcp
0x97f7c000
S:c4_phy_regp           0x81c68000      proc_dir
0xb8517820
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4345678      num_port_timer          12
S:prev_if_id            0x4302000d      S:ftx                   0
        tov                     0
S:initialized           0               port_idx                13
S:ui_idx                        54              slot_no
        0
S:blade_idx             13              sw_usr_ports            400
S:unused                        0               intr_debounced
        0
S:aec_status            0x0             reason_code
        0
S:debug                 0x00000004      debug_trc_line          0
S:rxbuf_list_head       0xffffffff      rxbuf_list_tail
0xffffffff
S:isAePort                      0               port_misc_data
                0
S:num_fault1_rx_disc    0               num_fault2_rx_disc      0
S:p_lli_cause0          0               p_sig_regained          0
S:p_sync_regained               0               enc_out
        0x0
S:cached_fps_status     0               cached_sts_status       0
S:cached_er_crc_good_eof        0
S:cached_er_bad_os      0               cached_er_too_long      0
S:cached_er_trunc       0
cached_tot_er_crc_good_eof      0
S:num_pt_excess_intr    0               num_no_fid              0
S:num_fault1_cnt                0               num_fault2_cnt
        0
S:num_fault_lip         0               num_fault_lli           0
S:num_fault_rx_fifo     0               num_fault_hss           0
S:num_fault_bwait               0               lli_intr_prim
        0
S:num_sw_link_to                0
be_link_err_mon_count           0
S:ecb_enc_enabled               0               ecb_comp_enabled
                0
S:ecb_rsv_enc           0               ecb_rsv_comp            0
```

```
S:ecb_enc_bm            0x0             ecb_key_index
0xffffffff
S:fab_idx               4
S:num_be_lto            0               lto_count_reset_intvl
        0
S:lr_count_reset_intvl          0               num_be_lr
        0
S:num_fault_qsfp                0               check_lto
        0
S:credit_loaded         0               num_credit_overrun
        0
S:fec_enabled           0x0             fec_los_to_flag         0x0
S:phy_stats_clear_ts            1725611419      pcs_err_online
        0
S:pcs_err_light_det             0               pcs_err_ignore
        0
S:pcs_blk_err           0               pcs_hiber               0
S:phy_port_status               0               ecb_enc_lr_count
                0
S:dport_mode            0               avoid_lto_det           0
S:sn_debounced          0x0             sn_started_kr_reqd      0
S:major_timer_started   0x0             ready_bm                0x0
S:parln_1_bm            0x0             parln_0_bm              0x0
S:be_los_of_sync_event_intvl            0
be_los_of_sync_event            0
S:erratePtenable_cntr           0               errataPoll_cntr
        0
S:jda_rx_sig_loss_det           0               jda_rx_sig_loss_cnt
                0
S:encrypt_blk_error             0
S:
S:      c4_trunk
S:=====================================
S:mark_ts               0x0             deskew                  0x0
S:master_phyp           0x0
S:
S:adelay[00]: 0x00000000 0x00000000 0x00000000 0x00000000
S:adelay[04]: 0x00000000 0x00000000 0x00000000 0x00000000
S:
S:      c4_buf
S:=====================================
S:tx_csc                        0               rx_csc
        0
S:ld_vc_credits         0               tx_flag                 0x0
S:alloc_buffers         0               req_buffers             0
S:est_buffers           20              ld_use_est              0
S:bb_sc_n                       0               rx_bb_sc_n
        0
S:data_cr                       5               nondata_cr
        6
S:cr_enable             0
S:ld_nondata_cr         6               tnodep
0xbb83a0e0
S:tx_credits[0] 0    0    0    0    0    0    0    0
```

```
S:tx_credits[8] 0    0    0    0    0    0    0    0
S:tx_credits[16]        0    0    0    0    0    0    0    0
S:tx_credits[24]        0    0    0    0    0    0    0    0
S:tx_credits[32]        0    0    0    0    0    0    0    0
S:rx_credits[0] 0    0    0    0    0    0    0    0
S:rx_credits[8] 0    0    0    0    0    0    0    0
S:rx_credits[16]        0    0    0    0    0    0    0    0
S:rx_credits[24]        0    0    0    0    0    0    0    0
S:rx_credits[32]        0    0    0    0    0    0    0    0
S:tx_mbc[0]     0    0    0    0    0    0    0    0
S:tx_mbc[8]     0    0    0    0    0    0    0    0
S:tx_mbc[16]    0    0    0    0    0    0    0    0
S:tx_mbc[24]    0    0    0    0    0    0    0    0
S:tx_mbc[32]    0    0    0    0    0    0    0    0
S:rx_mbc[0]     0    0    0    0    0    0    0    0
S:rx_mbc[8]     0    0    0    0    0    0    0    0
S:rx_mbc[16]    0    0    0    0    0    0    0    0
S:rx_mbc[24]    0    0    0    0    0    0    0    0
S:rx_mbc[32]    0    0    0    0    0    0    0    0
S:
S:C4 Chip Variables: c4_phyp->c4_chp = 0x97e28000
S:-----------------------------------------------------------------
---------
S:version = 2.1
S:magic_id              0xc4234567      init_state              0x8
S:reset_reg_mem         0x1
S:ch_int0_en_bm         0x0             intr0_cause             0x0
S:ch_int1_en_bm         0x0             intr1_cause             0x0
S:ch_int2_en_bm         0x0             intr2_cause             0x0
S:ch                    0x43010080      ch_cfg
0xb7013ba0
S:raslog_hndl.hndl      0x0             obj_halted              0x0
S:c4_chip_regp          0x80000000      c4_fpg_regp
0x81800000
S:num_chip_timer        0x5
S:hi_task_bm            0x0             lo_task_bm              0x0
S:c4_deferq.q_head      0x0             c4_deferq.q_tail        0x0
S:c4_tmrq.q_head        0x0             c4_tmrq.q_tail          0x0
slot_no                 0
S:chip_inst             0               chip_idx                0
S:pll_initialized               1
pll_serdes_initialized  1
S:init_tries            0               init_ptEnableBM
0xba01b488
S:tick_polling          0xb980c9c0      sec_polling
0xb980c960
S:bb_fid                        129
S:ecb_key_bm[0]         0x0             ecb_key_bm[1]           0x0
S:ecb_key_bm[2]         0x0             ecb_key_bm[3]           0x0
S:is_chip_enc_enabled                   0
is_chip_comp_enabled    0x0
S:ftb_rsrcp->ftb_flags  0x0             act_rsrcp->act_flag     0x1
S:lue_rsrcp->lue_flags[0]       0x0             lue_rsrcp-
>lue_flags[1]   0x0
```

```
S:c4_phyp[00]: 0xb6ab0000 0xb6ab2080 0xb6ab4100 0xb6ab6180
S:c4_phyp[04]: 0xb6ab9040 0xb6abb0c0 0xb6abd140 0xb6ac0000
S:c4_phyp[08]: 0xb6ac2080 0xb6ac4100 0xb6ac6180 0xb6ac9040
S:c4_phyp[12]: 0xb6acb0c0 0xb6acd140 0xb6ad0000 0xb6ad2080
S:c4_phyp[16]: 0xb6ad4100 0xb6ad6180 0xb6ad9040 0xb6adb0c0
S:c4_phyp[20]: 0xb6add140 0xb6ae0000 0xb6ae2080 0xb6ae4100
S:c4_phyp[24]: 0xb6ae6180 0xb6ae9040 0xb6aeb0c0 0xb6aed140
S:c4_phyp[28]: 0xb6af0000 0xb6af2080 0xb6af4100 0xb6af6180
S:c4_phyp[32]: 0xb6af9040 0xb6afb0c0 0xb6afd140 0xb6b00000
S:c4_phyp[36]: 0xb6b02080 0xb6b04100 0xb6b06180 0xb6b09040
S:c4_phyp[40]: 0xb6b0b0c0 0xb6b0d140 0xb6b10000 0xb6b12080
S:c4_phyp[44]: 0xb6b14100 0xb6b16180 0xb6b19040 0xb6b1b0c0
S:c4_phyp[48]: 0xb6b1d140 0xb6b20000 0xb6b22080 0xb6b24100
S:c4_phyp[52]: 0xb6b26180 0xb6b29040 0xb6b2b0c0 0xb6b2d140
S:c4_phyp[56]: 0xb6b30000 0xb6b32080 0xb6b34100 0xb6b36180
S:c4_phyp[60]: 0xb6b39040 0xb6b3b0c0 0xb6b3d140 0xb6b40000
S:c4_lgcp[00]: 0x97f48000 0x97f4c000 0x97f50000 0x97f54000
S:c4_lgcp[04]: 0x97f58000 0x97f5c000 0x97f60000 0x97f64000
S:c4_lgcp[08]: 0x97f68000 0x97f6c000 0x97f70000 0x97f74000
S:c4_lgcp[12]: 0x97f78000 0x97f7c000 0x97f80000 0x97f84000
S:c4_lgcp[16]: 0x97f88000 0x97f8c000 0x97f90000 0x97f94000
S:c4_lgcp[20]: 0x97f98000 0x97f9c000 0x97fa0000 0x97fa4000
S:c4_lgcp[24]: 0x97fa8000 0x97fac000 0x97fb0000 0x97fb4000
S:c4_lgcp[28]: 0x97fb8000 0x97fbc000 0x97fc0000 0x97fc4000
S:c4_lgcp[32]: 0x97fc8000 0x97fcc000 0x97fd0000 0x97fd4000
S:c4_lgcp[36]: 0x97fd8000 0x97fdc000 0x97fe0000 0x97fe4000
S:c4_lgcp[40]: 0x97fe8000 0x97fec000 0x97ff0000 0x97ff4000
S:c4_lgcp[44]: 0x97ff8000 0x97ffc000 0x8e000000 0x8e004000
S:c4_lgcp[48]: 0x8e008000 0x8e00c000 0x8e010000 0x8e014000
S:c4_lgcp[52]: 0x8e018000 0x8e01c000 0x8e020000 0x8e024000
S:c4_lgcp[56]: 0x8e028000 0x8e02c000 0x8e030000 0x8e034000
S:c4_lgcp[60]: 0x8e038000 0x8e03c000 0x8e040000 0x8e044000
S:chip_timers[00]: 0xb980c720 0xb980c780 0xb980c7e0 0xb980c840
S:chip_timers[04]: 0xb980c8a0 0xb980c900
S:disc_trap_enable_required     0x0             rxlp_disc_log_stop
        0x0
S:curr_rxlp_frm_cnt     0x0             curr_rxlp_disc_frm_cnt  0x0
S:sw_disc_frm_cnt       0x0             last_disc_frm_cnt       0x0
S:txq_nopop_pr_cnt      0x0             pollErrataDfe_ptBM
0xba01b4b0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][0]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][1]  0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][2]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][0] 0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][1]       0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][2] 0x0
S:
S:C4 Logical Port Variables
S:-----------------------------------------------------------------
---------
S:c4_lgc_regp           0x81c68000
S:c4_phyp:
S:      0xb6acd140      0x0             0x0             0x0
```

```
S:      0x0             0x0             0x0             0x0

S:master_phyp           0xb6acd140      if_id
0x4302000d
S:min_phyp              0x0             max_phyp                0x0
S:num_phy_ports         1               lgc_num                 13
S:num_iu_to             0               sw_txq_bm
        0
S:port_fid              129             unused                  0
S:port_group            1               lgc_stats_clear_ts
                1725611419
S:domain_tbl_sel                0               area_tbl_sel
        0
S:egid_tbl_sel          0
S:serv_lo_bm            0x0
S:
S:Proto Phy Variables:
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4123456      asic_phyp
0xb6acd140
S:port_id                       0x4302800d      phy_cfg
        0xb6ace180
S:upsm_hdl              0xb80138c0      physm_hdl
0xb8013640
S:ov_snsm_hdl           0xb8013500      sw_snsm_hdl
0xb80135a0
S:ov_lksm_hdl           0xb80136e0      sw_lksm_hdl
0xb8013780
S:trksm_hdl             0xb8013820      lr_flag         0x0
S:lr_active             0x0             qsfp_txrx_rate_sel
        0x0
S:
S:UPSM      UP00: UPST_PORT_DISABLED    --> UP00: UPST_PORT_DISABLED
S:SNSM(OV)  SN00: OV_SNST_STOPPED       --> SN00: OV_SNST_STOPPED
S:SNSM(SW)  SW00: SW_SNST_STAGE_WS      --> SW00: SW_SNST_STAGE_WS
S:PHYSM     PP00: PHYST_STOPPED         --> PP00: PHYST_STOPPED
S:LKSM(OV)  LK00: OV_LKST_INACTIVE      --> LK00: OV_LKST_INACTIVE
S:LKSM(SW)  SW13: INACTIVE              --> SW13: INACTIVE
S:TRKSM     TRK0: TRKST_INIT            --> TRK0: TRKST_INIT
S:
S:physm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb88085a0      physm_hdl
0xb8013640
S:force_offline         0               copper                  0
S:fault_reason          0: UNKNOWN
S:phy_media_present             0
S:
S:snsm variables:
S:-------------------------------------------------------------------
---------
S:speed                 0xff            proto_phyp
```

```
0xb88085a0
S:hw_sn_tries_left      0x0             sw_sn_tries_left        0x0
S:curr_txsp_count               0x0
S:tx_max                        0x0             curr_tx_indx
        0x0
S:curr_tx                       0x0             curr_rxsp_count
        0x0
S:rx_max                        0x0             curr_rx_indx
        0x0
S:curr_rx                       0x0             rx_mem
        0x0
S:rxsp_rec_count                0x0
S:nc_start              0x0             tx_start                0x0
S:sync_start            0x0             sync_present            0x0
S:diag_auto             0x0             diag_speed              0xff
S:striped_wd_tov                3000            hw_wd_tov
        3000
S:step                  0x0             qsfp28_speed_mode
        0x0
S:qsfp_mode0_hw_sn_tries_left           0x0
S:qsfp_mode1_hw_sn_tries_left           0x0
S:
S:lksm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb88085a0      ov_lksm_hdl
0xb80136e0
sw_lksm_hdl             0xb8013780
num_lf1                 0
S:hw_link_tries_left    0               sw_link_tries_left      0
S:buf_ptype             0x0             stored_entry_state      0x6
S:handshake_owner               0x0             mark_unsent
        0x0
S:busybuf_stuck         0x0             lr_wait                 0x0
S:
S:trksm variables:
S:-------------------------------------------------------------------
---------
S:Not a trunk port
S:
S:upsm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb88085a0      upsm_hdl
0xb80138c0
S:bb_credits            0               port_beacon             0
S:port_diag_flag                0               force_offline
        0
S:port_fault_rsn                0: PORT_NO_FAULT
S:retry_init_rsn                0: UNKNOWN
S:linit_reason          0               linit_result            0
S:ie_fctl_mode          0               fec_in_sync_tries_left  0
S:retry_sn_fail_init    0
retry_link_fail_init    0
```

```
S:excess_lr_count       0
S:
S:c4_ch_cfg
S:-------------------------------------------------------------------
---------
S:c4_desc_ring_size     256      292      256      256      292
292      2        292      292
S:thresh_def            0        16       1        0
S:intr_tries            500             cmem_pattern
0xdeadbeef
S:cmem_pattern_upwd     2               cmem_init_time          16
S:cmem_init_tries               5
S:ctrl_par_thresh               2               data_par_thresh
        4
S:cam_par_thresh                4               buf_loss_thresh
        12
S:crit_par_thresh               2               non_crit_par_thresh
        6
S:pci_abort_thresh      10              pci_err_thresh          5
S:excess_chintr_thresh  8               sw_err_thresh           20
S:err_sample_period     300             intr_sleep
20000
S:frame_timeout 2500            proxy_dev               16384
S:vf_route      81920           qos             2048
S:stats 2048            f_redirect              2048
S:rsp_trap      2048            lun_zoning              20480
S:area_mode     0               ftb_max_loop[0]         0
S:ftb_max_loop[1]       6               ftb_max_loop[2]         9
S:ftb_max_loop[3]       10              ftb_max_loop[4]         10
S:ftb_max_loop[5]       5               ftb_max_loop[6]         6
S:ftb_seg_size[0]       0               ftb_seg_size[1]
16384
S:ftb_seg_size[2]       65536           ftb_seg_size[3]
16384
S:ftb_seg_size[4]       16384           ftb_seg_size[5]
65536
S:ftb_seg_size[6]       16384           ftb_seg_base[0]         0
S:ftb_seg_base[1]       0               ftb_seg_base[2]
65536
S:ftb_seg_base[3]       16384           ftb_seg_base[4]
32768
S:ftb_seg_base[5]       131072          ftb_seg_base[6]
49152
asic_err_monitor_period1                300
asic_err_monitor_period2                86400
zone_chk_to_poll_period 25
zone_chk_class2_reject_tov              220
S:
S:c4_phy_cfg
S:-------------------------------------------------------------------
---------
S:version = 2.1
S:pt                    0x4302800d      fab_ptr
0x9a800000
```

```
S:fabattr                       0x9a8000d4      fab_iop
        0x9a800050
S:cfgbm                 0xbb839e04      port_ctrl
0xb6ace198
S:pcap.pcap_bm          0x8d215547      pcap.pcap2_bm
0x2588289
S:pcap.pcap3_bm         0x1bebe0c
ui_idx                  54              S:slot_no
        0
is_icl                  0               S:sw_usr_ports          400
S:neg_speed             0 0 0 0 0 0
S:my_domain             0x1             port_mode               0x0
S:hw_sn_maxtries                100             sw_sn_maxtries
        0
S:hw_link_maxtries      10              sw_link_maxtries        5
S:rx_cyc_tov            28              rttov                   300
S:bufrdy_tov            300             busybuf_tov             286
S:mark_tov              300             lksm_tov                3000
S:buf_dealloc_wait      4               hw_wd_tov               3000
S:hw_lk_train_tov               540             hw_lk_test_tov
        150
S:syswait_tx_12_lips    1               lip_rx_tov              55
S:al_time_tov           15              lp_tov                  2000
S:intr_tries_port               500             intr_mod_debounce
        250
S:intr_lsr_flt_debounce 500             intr_efifo_debounce     100
S:port_no_fid           3               excess_ptintr_thresh    8
S:port_fault1_thresh    100             port_fault1_spur_thresh 250
S:port_fault1_disc_thresh       500
port_fault1_disc_spur_thresh    1000
S:port_fault2_thresh    5               losync_tov              100
S:port_sw_link_to               15              en_8g_scramble
        1
frc_hw_sn_mode          0x1
S:enc_poll_thresh               0               fec_enable
        0
S:fec_in_sync_to                50              fec_in_sync_try_max
        4
S:port_be_lto_threshold         100             port_be_lr_threshold
                2
S:be_cr_in_sync_to              5
port_credit_overrun_thresh              10
S:jda_sfp_losig_tov             400
jda_sfp_losig_try_max           30
S:striped_wd_tov                3000
no_sync_debounce                1200
S:
S:      fab_iop
S:======================================
S:fab_iop->interop_mode 0x0             fab_iop->lab_mode       0x0
S:fab_iop->fl_bbc               0x0             fab_iop->fl_fan
        0x0
S:fab_iop->fl_cls               0x4             fab_iop->fl_rscn
        0x0
```

```
S:fab_iop->domain_id_offset     0x60            fab_iop-
>mcdt_fabric_mode       0x0
S:fab_iop->mcdt_default_zone            0x0             fab_iop-
>mcdt_safe_zone         0x0
S:
S:      port_ctrl
S:=======================================
S:port_ctrl.port_type   1               port_ctrl.port_grp      1
S:port_ctrl.port_number 54              port_ctrl.vc_mode       1
S:
S:      port_ctrl.lcap
S:=======================================
S:has_serdes            0               has_media               1
S:topology              1               skip_nego               0
S:skip_pnego            0               skip_init_event         0
S:en_shim                       0               speed_neg
        1
S:loop_back             0               num_speeds              5
S:fec_enable            0
S:
S:      port_ctrl.speed_list array
S:=======================================
S:speed_list[0].auto_neg  1     speed_list[0].lnk_speed  0x0000000a
S:speed_list[1].auto_neg  1     speed_list[1].lnk_speed  0x00000008
S:speed_list[2].auto_neg  1     speed_list[2].lnk_speed  0x00000006
S:speed_list[3].auto_neg  1     speed_list[3].lnk_speed  0x00000005
S:speed_list[4].auto_neg  1     speed_list[4].lnk_speed  0x00000003
S:speed_list[5].auto_neg  0     speed_list[5].lnk_speed  0x00000000
S:
S:      port_ctrl.cm
S:=======================================
S:port_ctrl.cm.num_vcs          8
S:port_ctrl.cm.min_bufs         8
S:port_ctrl.cm.cr_shar_bufs     0
S:port_ctrl.vc_alloc
S:port_ctrl.vc_alloc            2 0 1 1 1 1 1 1
S:port_ctrl.vc_alloc            0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.norm_vc_alloc
S:port_ctrl.norm_vc_alloc       4 0 5 5 5 5 1 1
S:port_ctrl.norm_vc_alloc       0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.cm.skip_bb_credit           0
S:port_ctrl.cm.use_shim_based_sublist           0
S:
S:      port_ctrl.serdes_set
S:=======================================
S:serdes_type           0x8
S:serdes_data_t.ibm_hss_serdes.tx_drive_power           0x1
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b_sign      0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_a           0x0
S:serdes_data_t.ibm_hss_serdes.rxeq                     0x0
S:
```

```
S:      cfgbm
S:======================================
S:old_distance          0x0             gport_lockdown          0x0
S:tport                 0x1             speed                   0x0
S:disable_eport         0x0             fcacc                   0x0
S:lport_lockdown                0x0             priv_lport_lockdown
        0x0
S:vcxlt_linit           0x0             delay_flogi             0x0
S:isl_interop           0x0             distance                0x0
S:BufStarvFlag          0x0             credit_sharing          0x0
S:lport_halfduplex      0x0             lport_fairness          0x0
S:soft_neg              0x0             asn_frc_hwretry         0x0
S:cr_recov              0x0             fport_buffers           0x0
S:export                        0x0             export_mode
        0x0
S:csctl_en              0x0             mirror_port             0x0
S:fault_delay           0x0             non_dfe                 0x0
S:fec_configured*(0=ENAB)       0               fec_tts
        0
S:port_persistently_disabled (permanently) 0 (0)
S:
S:      cfg property
S:======================================
S:priv_pcfg_bm          0x00000000      lgcl_pcfg_bm
0xbb839e44
S:fport_buffer          0x00000000
S:
S:
S:C4 Discard Cntrs: rxlp_stats = 0xb6acd4f0
S:-------------------------------------------------------------------
---------
S:disc_mcast_wka        0x0             disc_inv_did            0x0
S:disc_cl1_cl4          0x0             disc_sid_chk_fail       0x0
S:disc_inv_dom_egid_txpt        0x0             disc_vft_hop_cnt_1
        0x0
S:disc_classf           0x0             disc_fcp_cdb_inv        0x0
S:disc_vfid_trap_enabled        0x0
disc_vfid_hdr_chk_fail  0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_ftb_vm_mode      0x0             disc_ftb_agn_t2_miss    0x0
S:disc_ecb_de_pad_err   0x0             disc_ecb_de_tag_err     0x0
S:disc_ecb_de_seq_err   0x0             disc_ecb_err            0x0
S:disc_ftb_type4_match  0x0             disc_fcp_rsp_ftb_type4  0x0
S:disc_fcp_rsp_ftb_type4        0x0             disc_ftb_type5_match
        0x0
S:disc_ftb_type3_match  0x0             disc_els_ftb_type3      0x0
S:disc_ftb_type1_match  0x0             disc_els_rsp_ex_port    0x0
S:disc_inv_drp_dps      0x0             disc_did_lookup_miss    0x0
S:disc_ftb_type2_match  0x0             disc_trpd_plogi_pdisc   0x0
S:disc_type2_lookup_miss        0x0             disc_ftb_type6_match
        0x0
S:disc_els_rep_ex_port  0x0             disc_els_sid_lkup_bit1  0x0
S:disc_els_sid_lkup_bit0        0x0
```

```
disc_bls_frm_trap_bit1  0x0
S:disc_ftb_token_err    0x0             disc_asic_internal_err  0x0
S:disc_hard_zone_miss   0x0             disc_lun_zone_miss     0x0
S:disc_flt_frame_disc   0x0             disc_flt_parity_err    0x0
S:disc_frame_marked_du  0x0             disc_frame_marked_to   0x0
E:Connection type: FE
E:Port type: E_port
E:Trunk port: No
E:Configured Speed: AUTO_SPEED_NEGO
E:Max Capable Speed: 32G
E:Current SNSM Speed: UNDEFINED
E:Hardware TX Speed: 32G (0x00000004)
E:Hardware RX Speed: 32G (0x00000040)
E:
E:Interrupts:   0           Link_failure:       0
Loss_of_sync:   0           Loss_of_sig:        0
E:Lli:          0           Invalid_word:       0
E:trapped_frm:  0           fwd_status_ok:      0
E:fwd_timeout:  0           fwd_tx_unavail:     0
E:fwd_unroutable:       0           fwd_zone_out:       0
E:fwd_other_err:        0           frm_err_discard:    0
E:Fltr listA:   0           Fltr listB:         0
E:Zone trap fwd:        0           Zone trap disc:     0
E:shim_csum:    0           RTE_perr:           0
E:Invalid_crc:  0           Delim_err:          0
E:Protocol_err: 0
E:Lr_in:        0           Lr_out:             0
E:Ols_in:       0           Ols_out:            0


filterportshow 54

                FILTER DATA
                -----------
Shadow settings:
   Filter Enable: 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
```

```
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass: 0x00000000
Real settings:
   Enable RAM: 0x00000000, 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass RAM: 0x00000000

Shadowed filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
```

```
        c4_fldenable[0] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[0] = 0x00000000,c4_fltr_config[0] = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        c4_fldenable[1] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[1] = 0x00000000,c4_fltr_config[1] = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        c4_fldenable[2] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[2] = 0x00000000,c4_fltr_config[2] = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        c4_fldenable[3] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[3] = 0x00000000,c4_fltr_config[3] = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        c4_fldenable[4] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[4] = 0x00000000,c4_fltr_config[4] = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        c4_fldenable[5] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[5] = 0x00000000,c4_fltr_config[5] = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        c4_fldenable[6] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[6] = 0x00000000,c4_fltr_config[6] = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        c4_fldenable[7] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[7] = 0x00000000,c4_fltr_config[7] = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        c4_fldenable[8] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[8] = 0x00000000,c4_fltr_config[8] = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        c4_fldenable[9] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[9] = 0x00000000,c4_fltr_config[9] = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        c4_fldenable[10] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[10] = 0x00000000,c4_fltr_config[10] =
0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        c4_fldenable[11] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[11] = 0x00000000,c4_fltr_config[11] =
0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        c4_fldenable[12] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[12] = 0x00000000,c4_fltr_config[12] =
0x00000000
```

```
Filter 13: Not Installed (UNUSED)(LISTA)
        c4_fldenable[13] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[13] = 0x00000000,c4_fltr_config[13] =
0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        c4_fldenable[14] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[14] = 0x00000000,c4_fltr_config[14] =
0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        c4_fldenable[15] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[15] = 0x00000000,c4_fltr_config[15] =
0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        c4_fldenable[16] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[16] = 0x00000000,c4_fltr_config[16] =
0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        c4_fldenable[17] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[17] = 0x00000000,c4_fltr_config[17] =
0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        c4_fldenable[18] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[18] = 0x00000000,c4_fltr_config[18] =
0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        c4_fldenable[19] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[19] = 0x00000000,c4_fltr_config[19] =
0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        c4_fldenable[20] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[20] = 0x00000000,c4_fltr_config[20] =
0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        c4_fldenable[21] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[21] = 0x00000000,c4_fltr_config[21] =
0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        c4_fldenable[22] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[22] = 0x00000000,c4_fltr_config[22] =
0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        c4_fldenable[23] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[23] = 0x00000000,c4_fltr_config[23] =
```

```
0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        c4_fldenable[24] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[24] = 0x00000000,c4_fltr_config[24] =
0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        c4_fldenable[25] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[25] = 0x00000000,c4_fltr_config[25] =
0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        c4_fldenable[26] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[26] = 0x00000000,c4_fltr_config[26] =
0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        c4_fldenable[27] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[27] = 0x00000000,c4_fltr_config[27] =
0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        c4_fldenable[28] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[28] = 0x00000000,c4_fltr_config[28] =
0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        c4_fldenable[29] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[29] = 0x00000000,c4_fltr_config[29] =
0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        c4_fldenable[30] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[30] = 0x00000000,c4_fltr_config[30] =
0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        c4_fldenable[31] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[31] = 0x00000000,c4_fltr_config[31] =
0x00000000


Real filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
```

```
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
```

```
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
```

```
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000

Filter dirty indicator: 0x00000000
Performance filters: 0
Port Mirror filters: 0 (0x0)


               FIELD DATA
               ----------

Shadowed fields:

fldoffset[0] = 0x00,fldmask[0] = 0x00,fldvalue_dyna[0]:0x00 0x00
0x00 0x00
fldcontrol[0].inuse = 0x0  fldcontrol[0].refcnt = 0x00 0x00 0x00
0x00
fldoffset[1] = 0x00,fldmask[1] = 0x00,fldvalue_dyna[1]:0x00 0x00
0x00 0x00
fldcontrol[1].inuse = 0x0  fldcontrol[1].refcnt = 0x00 0x00 0x00
0x00
fldoffset[2] = 0x00,fldmask[2] = 0x00,fldvalue_dyna[2]:0x00 0x00
0x00 0x00
fldcontrol[2].inuse = 0x0  fldcontrol[2].refcnt = 0x00 0x00 0x00
0x00
fldoffset[3] = 0x00,fldmask[3] = 0x00,fldvalue_dyna[3]:0x00 0x00
0x00 0x00
fldcontrol[3].inuse = 0x0  fldcontrol[3].refcnt = 0x00 0x00 0x00
0x00
fldoffset[4] = 0x00,fldmask[4] = 0x00,fldvalue_dyna[4]:0x00 0x00
0x00 0x00
fldcontrol[4].inuse = 0x0  fldcontrol[4].refcnt = 0x00 0x00 0x00
0x00
fldoffset[5] = 0x00,fldmask[5] = 0x00,fldvalue_dyna[5]:0x00 0x00
0x00 0x00
fldcontrol[5].inuse = 0x0  fldcontrol[5].refcnt = 0x00 0x00 0x00
0x00
fldoffset[6] = 0x00,fldmask[6] = 0x00,fldvalue_dyna[6]:0x00 0x00
0x00 0x00
fldcontrol[6].inuse = 0x0  fldcontrol[6].refcnt = 0x00 0x00 0x00
0x00
fldoffset[7] = 0x00,fldmask[7] = 0x00,fldvalue_dyna[7]:0x00 0x00
0x00 0x00
fldcontrol[7].inuse = 0x0  fldcontrol[7].refcnt = 0x00 0x00 0x00
0x00
```

```
fldoffset[8] = 0x00,fldmask[8] = 0x00,fldvalue_dyna[8]:0x00 0x00
0x00 0x00
fldcontrol[8].inuse = 0x0  fldcontrol[8].refcnt = 0x00 0x00 0x00
0x00
fldoffset[9] = 0x00,fldmask[9] = 0x00,fldvalue_dyna[9]:0x00 0x00
0x00 0x00
fldcontrol[9].inuse = 0x0  fldcontrol[9].refcnt = 0x00 0x00 0x00
0x00
fldoffset[10] = 0x00,fldmask[10] = 0x00,fldvalue_dyna[10]:0x00 0x00
0x00 0x00
fldcontrol[10].inuse = 0x0  fldcontrol[10].refcnt = 0x00 0x00 0x00
0x00
fldoffset[11] = 0x00,fldmask[11] = 0x00,fldvalue_dyna[11]:0x00 0x00
0x00 0x00
fldcontrol[11].inuse = 0x0  fldcontrol[11].refcnt = 0x00 0x00 0x00
0x00
fldoffset[12] = 0x00,fldmask[12] = 0x00,fldvalue_dyna[12]:0x00 0x00
0x00 0x00
fldcontrol[12].inuse = 0x0  fldcontrol[12].refcnt = 0x00 0x00 0x00
0x00
fldoffset[13] = 0x00,fldmask[13] = 0x00,fldvalue_dyna[13]:0x00 0x00
0x00 0x00
fldcontrol[13].inuse = 0x0  fldcontrol[13].refcnt = 0x00 0x00 0x00
0x00
fldoffset[14] = 0x00,fldmask[14] = 0x00,fldvalue_dyna[14]:0x00 0x00
0x00 0x00
fldcontrol[14].inuse = 0x0  fldcontrol[14].refcnt = 0x00 0x00 0x00
0x00
fldoffset[15] = 0x00,fldmask[15] = 0x00,fldvalue_dyna[15]:0x00 0x00
0x00 0x00
fldcontrol[15].inuse = 0x0  fldcontrol[15].refcnt = 0x00 0x00 0x00
0x00
fldoffset[16] = 0x00,fldmask[16] = 0x00,fldvalue_dyna[16]:0x00 0x00
0x00 0x00
fldcontrol[16].inuse = 0x0  fldcontrol[16].refcnt = 0x00 0x00 0x00
0x00
fldoffset[17] = 0x00,fldmask[17] = 0x00,fldvalue_dyna[17]:0x00 0x00
0x00 0x00
fldcontrol[17].inuse = 0x0  fldcontrol[17].refcnt = 0x00 0x00 0x00
0x00
fldoffset[18] = 0x00,fldmask[18] = 0x00,fldvalue_dyna[18]:0x00 0x00
0x00 0x00
fldcontrol[18].inuse = 0x0  fldcontrol[18].refcnt = 0x00 0x00 0x00
0x00
fldoffset[19] = 0x00,fldmask[19] = 0x00,fldvalue_dyna[19]:0x00 0x00
0x00 0x00
fldcontrol[19].inuse = 0x0  fldcontrol[19].refcnt = 0x00 0x00 0x00
0x00

Real fields:

fldoffset RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fldmask RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
```

```
0x00000000
fld value4 RAM:
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
Field dirty indicator: 0x00000000

FDB reference count fdb: 0 [0 0 0 0 ]
FDB reference count fdb: 1 [0 0 0 0 ]
FDB reference count fdb: 2 [0 0 0 0 ]
FDB reference count fdb: 3 [0 0 0 0 ]
FDB reference count fdb: 4 [0 0 0 0 ]
FDB reference count fdb: 5 [0 0 0 0 ]
FDB reference count fdb: 6 [0 0 0 0 ]
FDB reference count fdb: 7 [0 0 0 0 ]
FDB reference count fdb: 8 [0 0 0 0 ]
FDB reference count fdb: 9 [0 0 0 0 ]
FDB reference count fdb: 10 [0 0 0 0 ]
FDB reference count fdb: 11 [0 0 0 0 ]
FDB reference count fdb: 12 [0 0 0 0 ]
FDB reference count fdb: 13 [0 0 0 0 ]
FDB reference count fdb: 14 [0 0 0 0 ]
FDB reference count fdb: 15 [0 0 0 0 ]
FDB reference count fdb: 16 [0 0 0 0 ]
FDB reference count fdb: 17 [0 0 0 0 ]
FDB reference count fdb: 18 [0 0 0 0 ]
FDB reference count fdb: 19 [0 0 0 0 ]

Filter counters:
   Filter counter 0: 0  (MIRROR1)
   Filter counter 1: 0  (MIRROR2)
   Filter counter 2: 0  (MIRROR3)
   Filter counter 3: 0  (MIRROR4)
   Filter counter 4: 0  (AEPORT_NON_MIRR_DROP)
   Filter counter 5: 0  (ZONING TRAP)
   Filter counter 6: 0  (FCR_EXPORT_DC)
   Filter counter 7: 0  (TIN TRAP)
```

```
   Filter counter 8: 0  (FICON CUP)
   Filter counter 9: 0  (FICON CUP DST)
   Filter counter 10: 0 (WELL KNOWN ADDR)
   Filter counter 11: 0 (SIM)
   Filter counter 12: 0 (UNUSED)
   Filter counter 13: 0 (UNUSED)
   Filter counter 14: 0 (UNUSED)
   Filter counter 15: 0 (UNUSED)
   Filter counter 16: 0 (PERF1)
   Filter counter 17: 0 (PERF2)
   Filter counter 18: 0 (PERF3)
   Filter counter 19: 0 (PERF4)
   Filter counter 20: 0 (PERF5)
   Filter counter 21: 0 (PERF6)
   Filter counter 22: 0 (PERF7)
   Filter counter 23: 0 (PERF8)
   Filter counter 24: 0 (PERF9)
   Filter counter 25: 0 (PERF10)
   Filter counter 26: 0 (PERF11)
   Filter counter 27: 0 (PERF12)
   Filter counter 28: 0 (OPM1)
   Filter counter 29: 0 (OPM2)
   Filter counter 30: 0 (IPM1)
   Filter counter 31: 0 (IPM2)

               ACL DATA
               --------
Logical port 13: Hard Zoning disabled, Soft Zoning disabled
Zone type: WWN Zoning
Frames with hard zone miss: 0

*** Please use filterportshow on user port 56 to display ACL hash
tables and Mirroring resources of thischip.
 ***We show this data only for the first physical port which is an
exernal port.

portFcPortCmdShow --slot 0 55 3
doing portFcPortCmdShow: arg1 = 3, arg2 = -2

portshow 55
portDisableReason: None
portCFlags: 0x0
portFlags: 0x4021        PRESENT U_PORT DISABLED LED
LocalSwcFlags: 0x0
portType:  26.0
POD Port: Need license to enable the port
portState: 2    Offline
Protocol: FC
portPhys:  2    No_Module       portScn:   2    Offline
port generation number:    0
state transition count:    0

portId:    013700
portIfId:    4302000e
```

```
portWwn:   20:37:d8:1f:cc:2c:99:90
portWwn of device(s) connected:
16b Area list:
Distance:  normal
portSpeed: N32Gbps

FEC: Inactive
Credit Recovery: Inactive
LE domain: 0
Peer beacon: Off
FC Fastwrite: OFF
Interrupts:        0          Link_failure: 0          Frjt:
0
Unknown:           0          Loss_of_sync: 0          Fbsy:
0
Lli:               0          Loss_of_sig:  0
Proc_rqrd:         0          Protocol_err: 0
Timed_out:         0          Invalid_word: 0
Tx_unavail:        0          Invalid_crc:  0
Delim_err:         0          Address_err:  0
Lr_in:             0          Ols_in:       0
Lr_out:            0          Ols_out:      0


portloginshow 55
Type  PID     World Wide Name        credit df_sz cos
=====================================================


portloginshow 55 -history
 Type  PID      World Wide Name           logout time
============================================================


portregshow 55

LED registers
=============
0x81c72000: c4_led_status           00000000    0x81c72004:
c4_led_ctl              00000000

FPL registers
=============
0x81c70200: fpl_port_config         23490000
0x81c7020c: fpl_port_id_ctl         00000000    0x81c70210:
fpl_port_id_addr        00013700
0x81c70214: fpl_port_speed          00000004    0x81c7021c:
fpl_lli_ctl             00000903
0x81c70228: fpl_lli_os_ctl          bc95b5b5    0x81c7022c:
fpl_lli_send_word       bc95b5b5
0x81c70230: fpl_lli_mark_rx         00000000    0x81c70234:
fpl_lli_rnd_trip_time   00000000
0x81c70238: fpl_lli_ns_status       80070007    0x81c7023c:
fpl_lli_intr_status     80070007
```

```
0x81c70244: fpl_lli_def             00000000    0x81c70254:
fpl_lli_intr_enable_clr 00100000
0x81c70258: fpl_err_intr_status     00000000    0x81c70260:
fpl_err_intr_enable_clr 00000000
0x81c70268: fpl_err_first_error     00000000    0x81c7026c:
fpl_speed_neg_ctl       00000000
0x81c70270: fpl_speed_neg_stat      00000000    0x81c70274:
fpl_softasn_ctl         0000000f
0x81c70278: fpl_link_init_ctl       00000000    0x81c7027c:
fpl_link_init_stat      00000000
0x81c70280: fpl_aec_ctl             00051060    0x81c70284:
fpl_aec_ctl2            04009f60
0x81c70288: fpl_pcs_ctl             00000160    0x81c7028c:
fpl_fec_ctl             00000441
0x81c70290: fpl_fec_cor             00000000    0x81c70294:
fpl_fec_uncor           00000000
0x81c70298: fpl_hss_link_ctl        0031f040    0x81c7029c:
fpl_afifo_link_ctl      00000a86
0x81c702a0: fpl_echo_lb_ctl         0000028c    0x81c702a4:
fpl_scratch             00000121
0x81c702a8: fpl_debug               00030005    0x81c702ac:
fpl_misc_debug          00001800
0x00000000: SW_shadow_reg           00000000    0x00000000:
SW_c4_phyp->cfgptr      00030000

per-fpg (per octet) registers
=============================
0x8180b82c: fpg_serdes_ctla0        81a37be7    0x8180b830:
fpg_serdes_ctla1        81a37be7
0x8180b834: fpg_serdes_ctlb0        81a1c3c3    0x8180b838:
fpg_serdes_ctlb1        81a1c3c3
0x8180b83c: fpg_serdes_xgmii_1ms    00067c28    0x8180b840:
fpg_serdes_regtimctl    40e47946
0x8180b844: fpg_serdes_asnrsttimctl 00000102

HSS PLL registers
=============================
0x8180b400: 00_hssplla_vco_coarse_cal0      00000000    0x8180b404:
01_hssplla_vco_coarse_cal1      00000014
0x8180b408: 02_hssplla_vco_coarse_cal2      00000000    0x8180b40c:
03_hssplla_vco_coarse_cal3      00000000
0x8180b410: 04_hssplla_vco_coarse_cal4      00000000    0x8180b424:
09_hssplla_power_ctl            00000000
0x8180b428: 0A_hssplla_charge_pump_ctl      00000004    0x8180b438:
0E_hssplla_pll_misc_ctl         00000000
0x8180b43c: 0F_hssplla_pclk_ctl             000000f8    0x8180b440:
10_hssplla_eyem_intv_ctl        00000000
0x8180b444: 11_hssplla_eyem_intv_lim1       00000000    0x8180b448:
12_hssplla_eyem_intv_lim2       00000000
0x8180b44c: 13_hssplla_eyem_intv_lim3       00000000    0x8180b450:
14_hssplla_eyem_intv_lim4       00000000
0x8180b4f0: 3C_hssplla_macro_tst_ctl4       00000000    0x8180b4f4:
3D_hssplla_macro_tst_ctl3       00000000
0x8180b4f8: 3E_hssplla_macro_tst_ctl2       00000000    0x8180b4fc:
```

```
3F_hssplla_macro_tst_ctl1       00000000
0x8180b500: 00_hssplb_vco_coarse_cal0      0000000a    0x8180b504:
01_hssplb_vco_coarse_cal1      00000014
0x8180b508: 02_hssplb_vco_coarse_cal2      00000000    0x8180b50c:
03_hssplb_vco_coarse_cal3      00000000
0x8180b510: 04_hssplb_vco_coarse_cal4      00000000    0x8180b524:
09_hssplb_power_ctl            00000000
0x8180b528: 0A_hssplb_charge_pump_ctl      00000004    0x8180b538:
0E_hssplb_pll_misc_ctl         00000000
0x8180b53c: 0F_hssplb_pclk_ctl             000000f8    0x8180b540:
10_hssplb_eyem_intv_ctl        00000000
0x8180b544: 11_hssplb_eyem_intv_lim1       00000000    0x8180b548:
12_hssplb_eyem_intv_lim2       00000000
0x8180b54c: 13_hssplb_eyem_intv_lim3       00000000    0x8180b550:
14_hssplb_eyem_intv_lim4       00000000
0x8180b5f0: 3C_hssplb_macro_tst_ctl4       00000000    0x8180b5f4:
3D_hssplb_macro_tst_ctl3       00000000
0x8180b5f8: 3E_hssplb_macro_tst_ctl2       00000000    0x8180b5fc:
3F_hssplb_macro_tst_ctl1       00000000

HSS TX registers
================
0x8180a400: 00_hsstx_cfg_mode_PHY          00009f48    0x8180a404:
01_hsstx_test_ctl              00000000
0x8180a408: 02_hsstx_coeff_ctl_INV         00000000    0x8180a40c:
03_hsstx_drv_mode_ctl          00000000
0x8180a410: 04_hsstx_drv_ovrd_ctl          00000010    0x8180a414:
05_hsstx_dclk_align_ovrd       00000080
0x8180a418: 06_hsstx_imp_cal_ovrd          00000c0c    0x8180a41c:
07_hsstx_dclk_drift_tol        00000004
0x8180a420: 08_hsstx_tap0_coeff_TUNE       00000000    0x8180a424:
09_hsstx_tap1_coeff_TUNE       00000003
0x8180a428: 0A_hsstx_tap2_coeff_TUNE       00000018    0x8180a42c:
0B_hsstx_tap3_coeff_TUNE       0000000d
0x8180a434: 0D_hsstx_pol_INV               0000000a    0x8180a438:
0E_hsstx_ae_cmd                00000000
0x8180a43c: 0F_hsstx_ae_stat               00000000    0x8180a440:
10_hsstx_ae_tap0_TUNE          00000000
0x8180a444: 11_hsstx_ae_tap1_TUNE          00000000    0x8180a448:
12_hsstx_ae_tap2_TUNE          00000028
0x8180a44c: 13_hsstx_ae_tap3_TUNE          00000000    0x8180a454:
15_hsstx_app_tune              0000120e
0x8180a458: 16_hsstx_analog_diag           00000000    0x8180a460:
18_hsstx_4x_seg_app            0000aafa
0x8180a464: 19_hsstx_2x_seg_app            00000000    0x8180a468:
1A_hsstx_1x_seg_app            0000ff5d
0x8180a46c: 1B_hsstx_seg_4x_term_app       00000000    0x8180a470:
1C_hsstx_seg_2x1x_term_app     00000f00
0x8180a474: 1D_hsstx_tap_sign_app          0000000a    0x8180a478:
1E_hsstx_ext_addr_data         00000001
0x8180a47c: 1F_hsstx_ext_addr_addr         00000000    0x8180a480:
20_hsstx_pat_buf_bytes_1_0     00000000
0x8180a484: 21_hsstx_pat_buf_bytes_3_2     00000000    0x8180a488:
22_hsstx_pat_buf_bytes_5_4     00000000
```

```
0x8180a48c: 23_hsstx_pat_buf_bytes_7_6      00000000    0x8180a49c:
27_hsstx_8023az_ctl             00000000
0x8180a4a0: 28_hsstx_dcc_ctl                000060c0    0x8180a4a4:
29_hsstx_dcc_ovrd               00001000
0x8180a4a8: 2A_hsstx_dcc_app                00000000    0x8180a4ac:
2B_hsstx_dcc_timeout            0000ffff
0x8180a4c0: 30_hsstx_tap_sign_ovrd          00000000    0x8180a4c8:
32_hsstx_seg_4x_ovrd            00000000
0x8180a4cc: 33_hsstx_seg_2x_ovrd            00000000    0x8180a4d0:
34_hsstx_seg_1x_ovrd            00000000
0x8180a4d8: 36_hsstx_tap_seg_4x_term_ovrd   00000000    0x8180a4dc:
37_hsstx_tap_seg_2x_term_ovrd   00000000
0x8180a4e0: 38_hsstx_tap_seg_1x_term_ovrd   00000000    0x8180a4ec:
3B_hsstx_mac_test_ctl5          00000000
0x8180a4f0: 3C_hsstx_mac_test_ctl4          00000000    0x8180a4f4:
3D_hsstx_mac_test_ctl3          00000000
0x8180a4f8: 3E_hsstx_mac_test_ctl2          00000000    0x8180a4fc:
3F_hsstx_mac_test_ctl1          000000c6

HSS RX registers
================
0x8180a600: 00_hssrx_cfg_mode_PHY           00009e78    0x8180a604:
01_hssrx_test_ctl               00000000
0x8180a608: 02_hssrx_phs_rot_ctl            0000cb80    0x8180a60c:
03_hssrx_phs_rot_ofs_ctl        00000610
0x8180a610: 04_hssrx_phs_rot_posn1          00000c2b    0x8180a614:
05_hssrx_phs_rot_posn2          0000001a
0x8180a618: 06_hssrx_phs_rot_sta_ofs1       00000102    0x8180a61c:
07_hssrx_phs_rot_sta_ofs2       00000001
0x8180a620: 08_hssrx_dfe_ctl_PHY            00002002    0x8180a624:
09_hssrx_dfe_smpl_snap1         00000000
0x8180a628: 0A_hssrx_dfe_smpl_snap2         00008000    0x8180a62c:
0B_hssrx_vga_ctl1               00004004
0x8180a630: 0C_hssrx_vga_ctl2               00007ba0    0x8180a634:
0D_hssrx_vga_ctl3               000009e4
0x8180a638: 0E_hssrx_pwr_mgmnt_ctl          0000001f    0x8180a63c:
0F_hssrx_iqamp_ctl1             00000019
0x8180a640: 10_hssrx_iqamp_ctl2             00000004    0x8180a644:
11_hssrx_dacap_dacan_sel        00000003
0x8180a648: 12_hssrx_dacap_dacan            0000fefd    0x8180a64c:
13_hssrx_daca_min               00000000
0x8180a650: 14_hssrx_adac_ctl               00000000    0x8180a654:
15_hssrx_ac_cp_ctl              000031c3
0x8180a658: 16_hssrx_ac_cp_val              00008055    0x8180a65c:
17_hssrx_dfe_h1h2h3_lcl_off_ch  00000014
0x8180a660: 18_hssrx_dfe_h1h2h3_lcl_off_val 00000000    0x8180a664:
19_hssrx_peaked_intg            000000ff
0x8180a668: 1A_hssrx_cdr_analog_sw          0000ce00    0x8180a66c:
1B_hssrx_peaking_amp_init_c_PHY 00000000
0x8180a670: 1C_hssrx_dac_dpc                00000040    0x8180a674:
1D_hssrx_ddc                    00000000
0x8180a678: 1E_hssrx_int_stat_PHY           00000c0f    0x8180a67c:
1F_hssrx_dfe_func_ctl1_PHY      0000ffff
0x8180a680: 20_hssrx_dfe_func_ctl2_INV      00007ebf    0x8180a684:
```

```
21_hssrx_ofs_ch_dcc_qcc_idx     00002000
0x8180a688: 22_hssrx_dfe_ofs_val            00007e01    0x8180a68c:
23_hssrx_h_coeff_bist           00000401
0x8180a690: 24_hssrx_ac_cap_bist            00000031    0x8180a694:
25_hssrx_max_gain_path_idx_res  00007800
0x8180a698: 26_hssrx_loff_ctl               00000055    0x8180a69c:
27_hssrx_sigdet_ctl             00004a80
0x8180a6a0: 28_hssrx_ana_ctl_sw             00000000    0x8180a6a4:
29_hssrx_intg_dac_ofs           0000ddd9
0x8180a6a8: 2A_hssrx_eye_ctl                00000000    0x8180a6ac:
2B_hssrx_eye_met                00000004
0x8180a6b0: 2C_hssrx_eye_met_err_cnt        00000000    0x8180a6b4:
2D_hssrx_eye_met_pdf_eyec       00000000
0x8180a6b8: 2E_hssrx_eye_met_pat_len        0000007f    0x8180a6bc:
2F_hssrx_dfe_func_ctl3          0000dfff
0x8180a6c0: 30_hssrx_dfe_tap_ctl_idx_ptr    00000008    0x8180a6c4:
31_hssrx_dfe_tap                00003030
0x8180a6c8: 32_hssrx_lte_ctl_TUNE           00001601    0x8180a6e4:
39_hssrx_int_stat2              000041ff
0x8180a6e8: 3A_hssrx_ac_cpl_cur_src_adj     00000042    0x8180a6ec:
3B_hssrx_dcd_ctl                00007c00
0x8180a6f0: 3C_hssrx_dcc_ctl                00000d44    0x8180a6f4:
3D_hssrx_qcc_ctl                00006991
0x8180a6f8: 3E_hssrx_mac_test_ctl2          00000000    0x8180a6fc:
3F_hssrx_mac_test_ctl1          00000000
0x8180a648: 12_hssrx_dacap_dacan[02]                00fd fefd
0x8180a660: 18_hssrx_dfe_h1h2h3_lcl_off_va[00]      0000 0000   0000
0000   0000 0000   0000 0000
0x8180a660: 18_hssrx_dfe_h1h2h3_lcl_off_va[08]      0000 0000   0000
0000   0000 0000   0000 0000
0x8180a660: 18_hssrx_dfe_h1h2h3_lcl_off_va[16]      0000 0000   0000
0000   0000
0x8180a688: 22_hssrx_dfe_ofs_val[00][00]            7e01 0000   7d7f
0000   0705 7f00
0x8180a688: 22_hssrx_dfe_ofs_val[03][00]            7f7b 0000   027f
7f00   0102 0000
0x8180a688: 22_hssrx_dfe_ofs_val[06][00]            0107 0000   0602
0000   7f04 0100
0x8180a688: 22_hssrx_dfe_ofs_val[09][00]            0000 0000   097b
7f00   0579 7f00
0x8180a688: 22_hssrx_dfe_ofs_val[12][00]            7d7b 0000   7d01
0000   017b 0000
0x8180a688: 22_hssrx_dfe_ofs_val[15][00]            7a7d 0000   0905
7f7f   7f7d 0000
0x8180a688: 22_hssrx_dfe_ofs_val[18][00]            7b7d 0000   7f7d
0000   0002 0000
0x8180a688: 22_hssrx_dfe_ofs_val[21][00]            0002 0000   0002
0000   0002 0000
0x8180a688: 22_hssrx_dfe_ofs_val[24][00]            0101 0000   0404
0000   037d 0000
0x8180a694: 25_hssrx_max_gain_path_idx_res[00]      006b 0853   1110
18a5   20ef 28a5   3089 3800
0x8180a694: 25_hssrx_max_gain_path_idx_res[08]      40bf 488a   5076
5800   6040 6800   70f9 7800
```

```
0x8180a6c4: 31_hssrx_dfe_tap[00]                    fffe 8080   0000
0000   0030 0030   3030 3030
0x8180a6c4: 31_hssrx_dfe_tap[08]                    3030 3030   3030
0000
0x8180a6e8: 3A_hssrx_ac_cpl_cur_src_adj[00]         0042 0042   0042
0042
0x8180a6ec: 3B_hssrx_dcd_ctl[00]                    7c00 5c00   7c82
5c00   7c00
0x8180a6f0: 3C_hssrx_dcc_ctl[00]                    0d44 0d00   0d42
0d43
0x8180a6f4: 3D_hssrx_qcc_ctl[00]                    6986 6991

xfipcs, fec, aec, & aet registers
=================================
0x81c70400: xfipcs_reg              [00] 00002040 00000080 00000000
00000000    00000001 00000008 00000000 00000000
0x81c70420: xfipcs_reg              [08] 00008c01 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c70440: xfipcs_reg              [16] 00000000 00000000 00000000
00000000    00000040 00000000 00000000 00000000
0x81c70460: xfipcs_reg              [24] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c70480: xfipcs_reg              [32] 00000004 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c70620: fec_32g_128g_reg        [08] 00000000 00000000 00000000
00000000    00000000 00000000 00000000
0x81c70648: fec_32g_128g_reg        [18] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c70a00: aec_reg                 [00] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c70c00: aet_reg                 [00] 00000000 00000000 00000000
00000000    00000000

bbc registers
=============
0x81c71800: bbc_trc                 0    0    0    0    0    0    0
0
0x81c71840: bbc_trc                 0    0    0    0    0    0    0
0
0x81c71880: bbc_trc                 0    0    0    0    0    0    0
0
0x81c718c0: bbc_trc                 0    0    0    0    0    0    0
0
0x81c71900: bbc_trc                 0    0    0    0    0    0    0
0
0x81c71804: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c71844: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c71884: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c718c4: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c71904: bbc_mbc                 0    0    0    0    0    0    0
```

```
0
0x81c71a00: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c71a20: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c71a40: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c71a60: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c71a80: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c71c00: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c71c20: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c71c40: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c71c60: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c71c80: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c71d00: bbc_fbpc                00000000    0x81c71d04: bbc_csc
00000000
0x81c71d08: bbc_rcc_inc             00000000    0x81c71d0c:
bbc_rqc_inc             00000000
0x81c71d10: bbc_fbpc_inc            00000000    0x81c71d14:
bbc_tmc_inc             00000000
0x81c71d18: bbc_threshold           00080100    0x81c71d1c:
bbc_counter_clr         00000000
0x81c71d20: bbc_debug_en            00000000    0x81c71d24: bbc_ctrl
00200020
0x81c71d28: bbc_rqc_rcc_thresh      00000055    0x81c71d34:
bbc_bb_sc_n             00000000
0x81c71d38: bbc_crd_reco_debug      00000000    0x81c71d3c:
bbc_crd_reco_debug_data 00000000
0x81c71d40: bbc_multi_frm_loss_cnt  00000000    0x81c71d44:
bbc_multi_rdy_loss_cnt  00000000
0x81c71d48: bbc_1frm_loss_recov_cnt 00000000    0x81c71d4c:
bbc_1rdy_loss_recov_cnt 00000000
0x81c71d58: bbc_int_status          00000000    0x81c71d5c:
bbc_int_set             00000000
0x81c71d60: bbc_int_first           00000000    0x81c71d64:
bbc_frm_rdy_rx_err_addr 00000000
0x81c71d68: bbc_frm_rdy_tx_err_addr 00000000    0x81c71d6c:
bbc_trc_mbc_err_addr    00000000
0x81c71d70: bbc_frm_rdy_rx_dbl_ecc  00000000    0x81c71d74:
bbc_frm_rdy_tx_dbl_ecc  00000000
0x81c71d78: bbc_trc_mbc_dbl_ecc     00000000
0x81c71d7c: bbc_fsm_status          00001011    0x81c71d80:
bbc_force_err           00000000
0x81c71d84: bbc_crdt_avail0         ffffffff    0x81c71d88:
bbc_crdt_avail1         000000ff
0x81c71d8c: bbc_scratch             00000000
```

```
FPS registers
=============
0x81c70004: fps_er_enc_in           00000000    0x81c70008:
fps_er_crc              00000000
0x81c7000c: fps_er_trunc            00000000    0x81c70010:
fps_er_toolong          00000000
0x81c70014: fps_er_bad_eof          00000000    0x81c70018:
fps_er_enc_out          00000000
0x81c7001c: fps_er_bad_os           00000000    0x81c70020:
fps_er_flush            00000000
0x81c70024: fps_er_ifg              00000000    0x81c70038:
fps_er_crc_good_eof     00000000
0x81c7003c: fps_inv_arb             00000000    0x81c70040:
fps_slow_sts_status     00000000
0x81c70044: fps_tx_frm_cnt          00000000    0x81c70048:
fps_rx_frm_cnt          00000000
0x81c70050: fps_tx_word_cnt_hi      00000000    0x81c7004c:
fps_tx_word_cnt_lo      00000000
0x81c70058: fps_rx_word_cnt_hi      00000000    0x81c70054:
fps_rx_word_cnt_lo      00000000

BAL registers
=============
0x81c77000: bal_desired_buf         00000000    0x81c77004:
bal_alloc_buf           00000000
0x81c77008: bal_busy_buf            00000000    0x81c7700c:
bal_usable_buf          00000000
0x81c77010: bal_max_bor_buf         00000000
0x81c77014: bal_busy_buf_thresh     00000002

TXQ registers
=============
0x81c73004: txq_phys_port_ctl       00460000
0x81c73050: txq_link_skew           00000000
0x81c73068: txq_cr_lk_dttn_intr_sts [00] 00000000 00000000
0x81c73070: txq_cr_lk_dttn_intr_en  [00] 00000000 00000000
0x81c73024: txq_disc_frm_trap_cnt   00000014

FDS registers
=============
0x81c74000: fds_rxf_ctl             00000002    0x81c74004:
fds_rxf_wait_thresh     00000909
0x81c74018: fds_rxf_first_error     00000000    0x81c7401c:
fds_rxf_first_error_info00000000
0x81c74020: fds_rxf_inout_pkt_cnt   00000000
0x81c74008: fds_rxf_err_int_status  00000000    0x81c74024:
fds_rxf_fifo_status     00888888
0x81c75000: fds_txf_ctl             0000003a    0x81c75004:
fds_txf_wait_ifg_thresh 00a00106
0x81c75008: fds_txf_err_int_status  00000000    0x81c75024:
fds_txf_fifo_status     00088888
0x81c7502c: fds_txf_bbc_scs         00000000

Logical TXQ registers
```

```
====================
0x81c73000: txq_log_port_ctl        00000002    0x81c73008:
txq_port_status         00000000
0x81c7300c: txq_todo_flags          [00] 00000000 00000000
0x81c73014: txq_spd_match_desc      [00] 00000000 00000000 00000000
00000000
0x81c73024: txq_spd_match_desc      [04] 00000014
0x81c73028: txq_vc_weight           [00] 01010101 01010101 01010101
01010101
0x81c73038: txq_vc_weight           [04] 01010101 01010101 01010101
01010101
0x81c73048: txq_vc_weight           [08] 01010101 00010101
0x81c73054: txq_cong_dttn_ctrl      00000000
0x81c73058: txq_cong_dttn_intr_sts  [00] 00000000 00000000
0x81c73060: txq_cong_dttn_intr_en   [00] 00000000 00000000
0x81c73078: txq_bw_limit_en_reg     [00] 00000000 00000000
0x81c73080: txq_bw_gua_en_reg       [00] 00000000 00000000
0x81c73088: txq_vc_group            [00] 03030300 03030303 03030303
03030303
0x81c73098: txq_vc_group            [04] 03030303 03030303 03030303
03030303
0x81c730a8: txq_vc_group            [08] 03030303 03030303 00000000
00000000
0x81c730b0: txq_bw_thresh_group     [00] 00000000 00000000 00000000
00000000
0x81c730c0: txq_bw_thresh_group     [04] 00000000 00000000 00000000
00000000
0x81c730d0: txq_bw_thresh_group     [08] 00000000 00000000 00000000
00000000
0x81c730e0: txq_bw_thresh_group     [12] 00000000 00000000 00000000
00000000
0x81c730f0: txq_bw_thresh_group     [16] 00000000 00000000 00000000
00000000
0x81c73100: txq_bw_thresh_group     [20] 00000000 00000000 00000000
00000000
0x81c73110: txq_bw_thresh_group     [24] 00000000 00000000 00000000
00000000
0x81c73120: txq_bw_thresh_group     [28] 00000000 00000000 00000000
00000000
0x81c73130: txq_bw_thresh_group     [32] 00000000 00000000 00000000
00000000
0x81c73140: txq_bw_thresh_group     [36] 00000000 00000000 00000000
00000000

txq Congestion detection Statistics RAM
=======================================
0x810908c0: vc[0]       00000000        0x810908c4: vc[1]
00000000
0x810908c8: vc[2]       00000000        0x810908cc: vc[3]
00000000
0x810908d0: vc[4]       00000000        0x810908d4: vc[5]
00000000
0x810908d8: vc[6]       00000000        0x810908dc: vc[7]
00000000
```

```
0x810908e0: vc[8]       00000000        0x810908e4: vc[9]
00000000
0x810908e8: vc[10]      00000000        0x810908ec: vc[11]
00000000
0x810908f0: vc[12]      00000000        0x810908f4: vc[13]
00000000
0x810908f8: vc[14]      00000000        0x810908fc: vc[15]
00000000
0x81090900: vc[16]      00000000        0x81090904: vc[17]
00000000
0x81090908: vc[18]      00000000        0x8109090c: vc[19]
00000000
0x81090910: vc[20]      00000000        0x81090914: vc[21]
00000000
0x81090918: vc[22]      00000000        0x8109091c: vc[23]
00000000
0x81090920: vc[24]      00000000        0x81090924: vc[25]
00000000
0x81090928: vc[26]      00000000        0x8109092c: vc[27]
00000000
0x81090930: vc[28]      00000000        0x81090934: vc[29]
00000000
0x81090938: vc[30]      00000000        0x8109093c: vc[31]
00000000
0x81090940: vc[32]      00000000        0x81090944: vc[33]
00000000
0x81090948: vc[34]      00000000        0x8109094c: vc[35]
00000000
0x81090950: vc[36]      00000000        0x81090954: vc[37]
00000000
0x81090958: vc[38]      00000000        0x8109095c: vc[39]
00000000


Logical STS registers
=====================
0x81584b04: sts_ftb_type1_miss      00000000
0x81584b08: sts_ftb_type2_miss      00000000
0x81584b0c: sts_ftb_type6_miss      00000000
0x81584b10: sts_hard_zoning_miss    00000000
0x81584b14: sts_lun_zoning_miss     00000000
0x81584b1c: sts_unroutable          00000000
0x81581b34: sts_rte_cl2             00000000    0x81581b38:
sts_rte_cl3             00000000        0x81581b3c: sts_rte_link_ctl
00000000        0x81584b28: sts_tx_timeout          00000000

Logical STS filter registers
=====================
0x81584a80: sts_flt_trig            [00] 00000000 00000000 00000000
00000000
0x81584a90: sts_flt_trig            [04] 00000000 00000000 00000000
00000000
0x81584aa0: sts_flt_trig            [08] 00000000 00000000 00000000
00000000
```

```
0x81584ab0: sts_flt_trig            [12] 00000000 00000000 00000000
00000000
0x81584ac0: sts_flt_trig            [16] 00000000 00000000 00000000
00000000
0x81584ad0: sts_flt_trig            [20] 00000000 00000000 00000000
00000000
0x81584ae0: sts_flt_trig            [24] 00000000 00000000 00000000
00000000
0x81584af0: sts_flt_trig            [28] 00000000 00000000 00000000
00000000
0x81584b00: sts_flt_trig            [32]

Logical STS discard registers
=====================
0x81582458: disc_mcast_wka          00000000    0x8158245c:
disc_inv_did            00000000
0x81582460: disc_cl1_cl4            00000000    0x81582464:
disc_sid_chk_fail       00000000
0x81582468: disc_inv_dom_egid_txpt  00000000    0x8158246c:
disc_vft_hop_cnt_1      00000000
0x81582470: disc_classf             00000000    0x81582474:
disc_fcp_cdb_inv        00000000
0x81582478: disc_vfid_trap_enabled  00000000    0x8158247c:
disc_vfid_hdr_chk_fail  00000000
0x81582480: disc_shim_cksum_fail    00000000    0x81582484:
disc_fed_edit_cmd_err   00000000
0x81582488: disc_ftb_vm_mode        00000000    0x8158248c:
disc_ftb_agn_t2_miss    00000000
0x81582490: disc_ecb_reserved       00000000    0x81582494:
disc_ecb_de_pad_err     00000000
0x81582498: disc_ecb_de_tag_err     00000000    0x8158249c:
disc_ecb_de_seq_err     00000000
0x815824a0: disc_ecb_err            00000000    0x815824a4:
disc_ftb_type4_match    00000000
0x815824a8: disc_fcp_rsp_ftb_type4  00000000    0x815824ac:
disc_ftb_type5_match    00000000
0x815824b0: disc_ftb_type3_match    00000000    0x815824b4:
disc_els_ftb_type3      00000000
0x815824b8: disc_ftb_type1_match    00000000    0x815824bc:
disc_els_rsp_ex_port    00000000
0x815824c0: disc_inv_drp_dps        00000000    0x815824c4:
disc_did_lookup_miss    00000000
0x815824c8: disc_ftb_type2_match    00000000    0x815824cc:
disc_trpd_plogi_pdisc   00000000
0x815824d0: disc_type2_lookup_miss  00000000    0x815824d4:
disc_ftb_type6_match    00000000
0x815824d8: disc_els_rep_ex_port    00000000    0x815824dc:
disc_els_sid_lkup_bit1  00000000
0x815824e0: disc_els_sid_lkup_bit0  00000000    0x815824e4:
disc_bls_frm_trap_bit1  00000000
0x815824e8: disc_ftb_token_err      00000000    0x815824ec:
disc_asic_internal_err  00000000
0x815824f0: disc_hard_zone_miss     00000000    0x815824f4:
disc_lun_zone_miss      00000000
```

```
0x815824f8: disc_flt_frame_disc     00000000    0x815824fc:
disc_flt_parity_err     00000000
0x81582500: disc_frame_marked_du    00000000    0x81582504:
disc_frame_marked_to    00000000
0x81582508: disc_lkup_rte_prty_err  00000000


portstatsshow 55
stat_wtx                0                   4-byte words transmitted
stat_wrx                0                   4-byte words received
stat_ftx                0                   Frames transmitted
stat_frx                0                   Frames received
stat_c2_frx             0                   Class 2 frames received
stat_c3_frx             0                   Class 3 frames received
stat_lc_rx              0                   Link control frames
received
stat_mc_rx              0                   Multicast frames
received
stat_mc_to              0                   Multicast timeouts
stat_mc_tx              0                   Multicast frames
transmitted
tim_txcrd_z             0                   Time TX Credit Zero
(2.5Us ticks)
tim_txcrd_z_vc  0- 3:  0           0           0           0
tim_txcrd_z_vc  4- 7:  0           0           0           0
tim_txcrd_z_vc  8-11:  0           0           0           0
tim_txcrd_z_vc 12-15:  0           0           0           0
lat_tot_pkt_vc  0- 3:  1           1           1           1
lat_tot_pkt_vc  4- 7:  1           1           1           1
lat_tot_pkt_vc  8-11:  1           1           1           1
lat_tot_pkt_vc 12-15:  1           1           1           1
lat_hi_time_vc  0- 3:  0           0           0           0
lat_hi_time_vc  4- 7:  0           0           0           0
lat_hi_time_vc  8-11:  0           0           0           0
lat_hi_time_vc 12-15:  0           0           0           0
lat_lo_time_vc  0- 3:  1           1           1           1
lat_lo_time_vc  4- 7:  1           1           1           1
lat_lo_time_vc  8-11:  1           1           1           1
lat_lo_time_vc 12-15:  1           1           1           1
max_latency_vc  0- 3:  1           1           1           1
max_latency_vc  4- 7:  1           1           1           1
max_latency_vc  8-11:  1           1           1           1
max_latency_vc 12-15:  1           1           1           1
latency_dma_ts          09-09-2024 UTC Mon 08:47:26            TXQ
Latency DMA TimeStamp
fec_cor_detected        0                   Count of blocks that
were corrected by FEC
fec_uncor_detected      0                   Count of blocks that
were left uncorrected by FEC
er_enc_in               0                   Encoding errors inside
of frames
er_crc                  0                   Frames with CRC errors
er_trunc                0                   Frames shorter than
minimum
```

```
er_toolong              0                   Frames longer than
maximum
er_bad_eof              0                   Frames with bad end-of-
frame
er_enc_out              0                   Encoding error outside
of frames
er_bad_os               0                   Invalid ordered set
er_pcs_blk              0                   PCS block errors
er_rx_c3_timeout        0                   Class 3 receive frames
discarded due to timeout
er_tx_c3_timeout        0                   Class 3 transmit frames
discarded due to timeout
er_unroutable           0                   Frames that are
unroutable
er_unreachable          0                   Frame with unreachable
destination
er_other_discard        0                   Other discards
er_type1_miss           0                   frames with FTB type 1
miss
er_type2_miss           0                   frames with FTB type 2
miss
er_type6_miss           0                   frames with FTB type 6
miss
er_zone_miss            0                   frames with hard zoning
miss
er_lun_zone_miss        0                   frames with LUN zoning
miss
er_crc_good_eof         0                   Crc error with good eof
er_inv_arb              0                   Invalid ARB
er_single_credit_loss   0                   Single vcrdy/frame loss
on link
er_multi_credit_loss    0                   Multiple vcrdy/frame
loss on link
other_credit_loss       0                   Link timeout/complete
credit loss
phy_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
phy_port stats clear
lgc_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
lgc_port stats clear
fec_corrected_rate      0                   FEC Corrected blocks per
second

portstats64show 55
stat64_wtx      0           top_int : 4-byte words transmitted
                0           bottom_int : 4-byte words transmitted
stat64_wrx      0           top_int : 4-byte words received
                0           bottom_int : 4-byte words received
stat64_ftx      0           top_int : Frames transmitted
                0           bottom_int : Frames transmitted
stat64_frx      0           top_int : Frames received
                0           bottom_int : Frames received
stat64_c2_frx   0           top_int : Class 2 frames received
                0           bottom_int : Class 2 frames received
stat64_c3_frx   0           top_int : Class 3 frames received
```

```
                0           bottom_int : Class 3 frames received
stat64_lc_rx    0           top_int : Link control frames received
                0           bottom_int : Link control frames
received
stat64_mc_rx    0           top_int : Multicast frames received
                0           bottom_int : Multicast frames received
stat64_mc_to    0           top_int : Multicast timeouts
                0           bottom_int : Multicast timeouts
stat64_mc_tx    0           top_int : Multicast frames transmitted
                0           bottom_int : Multicast frames
transmitted
tim64_rdy_pri   0           top_int : Time R_RDY high priority
                0           bottom_int : Time R_RDY high priority
tim64_txcrd_z   0           top_int : Time BB_credit zero
                0           bottom_int : Time BB_credit zero
er64_enc_in     0           top_int : Encoding errors inside of
frames
                0           bottom_int : Encoding errors inside of
frames
er64_crc        0           top_int : Frames with CRC errors
                0           bottom_int : Frames with CRC errors
er64_trunc      0           top_int : Frames shorter than minimum
                0           bottom_int : Frames shorter than minimum
er64_toolong    0           top_int : Frames longer than maximum
                0           bottom_int : Frames longer than maximum
er64_bad_eof    0           top_int : Frames with bad end-of-frame
                0           bottom_int : Frames with bad end-of-
frame
er64_enc_out    0           top_int : Encoding error outside of
frames
                0           bottom_int : Encoding error outside of
frames
er64_disc_c3    0           top_int : Class 3 frames discarded
                0           bottom_int : Class 3 frames discarded
er64_pcs_blk    0           top_int : PCS block errors
                0           bottom_int : PCS block errors
stat64_rateTxFrame      0           Tx frame rate (fr/sec)
stat64_rateRxFrame      0           Rx frame rate (fr/sec)
stat64_rateTxPeakFrame  0           Tx peak frame rate (fr/sec)
stat64_rateRxPeakFrame  0           Rx peak frame rate (fr/sec)
stat64_rateTxWord       0           Tx Word rate (words/sec)
stat64_rateRxWord       0           Rx Word rate (words/sec)
stat64_rateTxPeakWord   0           Tx peak Word rate (words/sec)
stat64_rateRxPeakWord   0           Rx peak Word rate (words/sec)
stat64_PRJTFrames       0           top_int : Number of PRJT frames
returned to this port
                        0           bottom_int : Number of PRJT
frames returned to this port
stat64_PBSYFrames       0           top_int : Number of PBSY frames
returned to this port
                        0           bottom_int : Number of PBSY
frames returned to this port
stat64_inputBuffersFull 0           top_int : Number of occurrences
when all input buffers full
```

```
                        0           bottom_int : Number of
occurrences when all input buffers full
stat64_rxClass1Frames   0           top_int : Number of class 1
frames received
                        0           bottom_int : Number of class 1
frames received
stat64_aveTxFrameSize   0           Average Tx Frame size
stat64_aveRxFrameSize   0           Average Rx Frame size
Lr_in           0           top_int
                0           bottom_int
Ols_in          0           top_int
                0           bottom_int
Lr_out          0           top_int
                0           bottom_int
Ols_out         0           top_int
                0           bottom_int
Link_failure    0           top_int
                0           bottom_int
Invalid_CRC     0           top_int
                0           bottom_int
Invalid_word    0           top_int
                0           bottom_int
Protocol_err    0           top_int
                0           bottom_int
Loss_of_sig     0           top_int
                0           bottom_int
Loss_of_sync    0           top_int
                0           bottom_int
er_bad_os       0           top_int : Invalid ordered set
                0           bottom_int: Invalid ordered set


portrouteshow 55
port address ID: 0x013700
external unicast routing table:
   0: Embedded
 255: Embedded
internal unicast routing table:
   0: Embedded

portcamshow 55
-------------------------------------------------
Port  SID used  DID used  SID entries  DID entries
55     0         0         000000       000000
-------------------------------------------------

ptbufshow, ptcreditshow, ptdatashow, ptstatsshow 55
S:
S:VF Enable:            1
S:
S:C4 Global Variable:
S:-------------------------------------------------------------------
---------
S:trace_stop:           0
```

```
S:
S:C4 Phy Data Pointers: c4_phyp = 0xb6ad0000
S:-----------------------------------------------------------------
---------
S:tnodep                        0xbb83b2a0      pt
        0x4302800e
S:proto_phyp            0xb8808900      phy_cfg
0xb6ad1040
S:c4_chp                        0x97e28000      c4_lgcp
0x97f80000
S:c4_phy_regp           0x81c70000      proc_dir
0xb8517f00
S:-----------------------------------------------------------------
---------
S:magic_id              0xc4345678      num_port_timer          12
S:prev_if_id            0x4302000e      S:ftx                   0
        tov                     0
S:initialized           0               port_idx                14
S:ui_idx                        55              slot_no
        0
S:blade_idx             14              sw_usr_ports            400
S:unused                        0               intr_debounced
        0
S:aec_status            0x0             reason_code
        0
S:debug                 0x00000004      debug_trc_line          0
S:rxbuf_list_head       0xffffffff      rxbuf_list_tail
0xffffffff
S:isAePort                      0               port_misc_data
                0
S:num_fault1_rx_disc    0               num_fault2_rx_disc      0
S:p_lli_cause0          0               p_sig_regained          0
S:p_sync_regained               0               enc_out
        0x0
S:cached_fps_status     0               cached_sts_status       0
S:cached_er_crc_good_eof        0
S:cached_er_bad_os      0               cached_er_too_long      0
S:cached_er_trunc       0
cached_tot_er_crc_good_eof      0
S:num_pt_excess_intr    0               num_no_fid              0
S:num_fault1_cnt                0               num_fault2_cnt
        0
S:num_fault_lip         0               num_fault_lli           0
S:num_fault_rx_fifo     0               num_fault_hss           0
S:num_fault_bwait               0               lli_intr_prim
        0
S:num_sw_link_to                0
be_link_err_mon_count           0
S:ecb_enc_enabled               0               ecb_comp_enabled
                0
S:ecb_rsv_enc           0               ecb_rsv_comp            0
S:ecb_enc_bm            0x0             ecb_key_index
0xffffffff
S:fab_idx               4
```

```
S:num_be_lto            0               lto_count_reset_intvl
        0
S:lr_count_reset_intvl          0               num_be_lr
        0
S:num_fault_qsfp                0               check_lto
        0
S:credit_loaded         0               num_credit_overrun
        0
S:fec_enabled           0x0             fec_los_to_flag         0x0
S:phy_stats_clear_ts            1725611419      pcs_err_online
        0
S:pcs_err_light_det             0               pcs_err_ignore
        0
S:pcs_blk_err           0               pcs_hiber               0
S:phy_port_status               0               ecb_enc_lr_count
                0
S:dport_mode            0               avoid_lto_det           0
S:sn_debounced          0x0             sn_started_kr_reqd      0
S:major_timer_started   0x0             ready_bm                0x0
S:parln_1_bm            0x0             parln_0_bm              0x0
S:be_los_of_sync_event_intvl            0
be_los_of_sync_event            0
S:erratePtenable_cntr           0               errataPoll_cntr
        0
S:jda_rx_sig_loss_det           0               jda_rx_sig_loss_cnt
                0
S:encrypt_blk_error             0
S:
S:      c4_trunk
S:=======================================
S:mark_ts               0x0             deskew                  0x0
S:master_phyp           0x0
S:
S:adelay[00]: 0x00000000 0x00000000 0x00000000 0x00000000
S:adelay[04]: 0x00000000 0x00000000 0x00000000 0x00000000
S:
S:      c4_buf
S:=======================================
S:tx_csc                        0               rx_csc
        0
S:ld_vc_credits         0               tx_flag                 0x0
S:alloc_buffers         0               req_buffers             0
S:est_buffers           20              ld_use_est              0
S:bb_sc_n                       0               rx_bb_sc_n
        0
S:data_cr                       5               nondata_cr
        6
S:cr_enable             0
S:ld_nondata_cr         6               tnodep
0xbb83b380
S:tx_credits[0] 0    0    0    0    0    0    0    0
S:tx_credits[8] 0    0    0    0    0    0    0    0
S:tx_credits[16]        0    0    0    0    0    0    0    0
S:tx_credits[24]        0    0    0    0    0    0    0    0
```

```
S:tx_credits[32]        0    0    0    0    0    0    0    0
S:rx_credits[0] 0    0    0    0    0    0    0    0
S:rx_credits[8] 0    0    0    0    0    0    0    0
S:rx_credits[16]        0    0    0    0    0    0    0    0
S:rx_credits[24]        0    0    0    0    0    0    0    0
S:rx_credits[32]        0    0    0    0    0    0    0    0
S:tx_mbc[0]     0    0    0    0    0    0    0    0
S:tx_mbc[8]     0    0    0    0    0    0    0    0
S:tx_mbc[16]    0    0    0    0    0    0    0    0
S:tx_mbc[24]    0    0    0    0    0    0    0    0
S:tx_mbc[32]    0    0    0    0    0    0    0    0
S:rx_mbc[0]     0    0    0    0    0    0    0    0
S:rx_mbc[8]     0    0    0    0    0    0    0    0
S:rx_mbc[16]    0    0    0    0    0    0    0    0
S:rx_mbc[24]    0    0    0    0    0    0    0    0
S:rx_mbc[32]    0    0    0    0    0    0    0    0
S:
S:C4 Chip Variables: c4_phyp->c4_chp = 0x97e28000
S:-----------------------------------------------------------------
---------
S:version = 2.1
S:magic_id              0xc4234567      init_state              0x8
S:reset_reg_mem         0x1
S:ch_int0_en_bm         0x0             intr0_cause             0x0
S:ch_int1_en_bm         0x0             intr1_cause             0x0
S:ch_int2_en_bm         0x0             intr2_cause             0x0
S:ch                    0x43010080      ch_cfg
0xb7013ba0
S:raslog_hndl.hndl      0x0             obj_halted              0x0
S:c4_chip_regp          0x80000000      c4_fpg_regp
0x81800000
S:num_chip_timer        0x5
S:hi_task_bm            0x0             lo_task_bm              0x0
S:c4_deferq.q_head      0x0             c4_deferq.q_tail        0x0
S:c4_tmrq.q_head        0x0             c4_tmrq.q_tail          0x0
slot_no                 0
S:chip_inst             0               chip_idx                0
S:pll_initialized               1
pll_serdes_initialized  1
S:init_tries            0               init_ptEnableBM
0xba01b488
S:tick_polling          0xb980c9c0      sec_polling
0xb980c960
S:bb_fid                        129
S:ecb_key_bm[0]         0x0             ecb_key_bm[1]           0x0
S:ecb_key_bm[2]         0x0             ecb_key_bm[3]           0x0
S:is_chip_enc_enabled                   0
is_chip_comp_enabled    0x0
S:ftb_rsrcp->ftb_flags  0x0             act_rsrcp->act_flag     0x1
S:lue_rsrcp->lue_flags[0]       0x0             lue_rsrcp-
>lue_flags[1]   0x0
S:c4_phyp[00]: 0xb6ab0000 0xb6ab2080 0xb6ab4100 0xb6ab6180
S:c4_phyp[04]: 0xb6ab9040 0xb6abb0c0 0xb6abd140 0xb6ac0000
S:c4_phyp[08]: 0xb6ac2080 0xb6ac4100 0xb6ac6180 0xb6ac9040
```

```
S:c4_phyp[12]: 0xb6acb0c0 0xb6acd140 0xb6ad0000 0xb6ad2080
S:c4_phyp[16]: 0xb6ad4100 0xb6ad6180 0xb6ad9040 0xb6adb0c0
S:c4_phyp[20]: 0xb6add140 0xb6ae0000 0xb6ae2080 0xb6ae4100
S:c4_phyp[24]: 0xb6ae6180 0xb6ae9040 0xb6aeb0c0 0xb6aed140
S:c4_phyp[28]: 0xb6af0000 0xb6af2080 0xb6af4100 0xb6af6180
S:c4_phyp[32]: 0xb6af9040 0xb6afb0c0 0xb6afd140 0xb6b00000
S:c4_phyp[36]: 0xb6b02080 0xb6b04100 0xb6b06180 0xb6b09040
S:c4_phyp[40]: 0xb6b0b0c0 0xb6b0d140 0xb6b10000 0xb6b12080
S:c4_phyp[44]: 0xb6b14100 0xb6b16180 0xb6b19040 0xb6b1b0c0
S:c4_phyp[48]: 0xb6b1d140 0xb6b20000 0xb6b22080 0xb6b24100
S:c4_phyp[52]: 0xb6b26180 0xb6b29040 0xb6b2b0c0 0xb6b2d140
S:c4_phyp[56]: 0xb6b30000 0xb6b32080 0xb6b34100 0xb6b36180
S:c4_phyp[60]: 0xb6b39040 0xb6b3b0c0 0xb6b3d140 0xb6b40000
S:c4_lgcp[00]: 0x97f48000 0x97f4c000 0x97f50000 0x97f54000
S:c4_lgcp[04]: 0x97f58000 0x97f5c000 0x97f60000 0x97f64000
S:c4_lgcp[08]: 0x97f68000 0x97f6c000 0x97f70000 0x97f74000
S:c4_lgcp[12]: 0x97f78000 0x97f7c000 0x97f80000 0x97f84000
S:c4_lgcp[16]: 0x97f88000 0x97f8c000 0x97f90000 0x97f94000
S:c4_lgcp[20]: 0x97f98000 0x97f9c000 0x97fa0000 0x97fa4000
S:c4_lgcp[24]: 0x97fa8000 0x97fac000 0x97fb0000 0x97fb4000
S:c4_lgcp[28]: 0x97fb8000 0x97fbc000 0x97fc0000 0x97fc4000
S:c4_lgcp[32]: 0x97fc8000 0x97fcc000 0x97fd0000 0x97fd4000
S:c4_lgcp[36]: 0x97fd8000 0x97fdc000 0x97fe0000 0x97fe4000
S:c4_lgcp[40]: 0x97fe8000 0x97fec000 0x97ff0000 0x97ff4000
S:c4_lgcp[44]: 0x97ff8000 0x97ffc000 0x8e000000 0x8e004000
S:c4_lgcp[48]: 0x8e008000 0x8e00c000 0x8e010000 0x8e014000
S:c4_lgcp[52]: 0x8e018000 0x8e01c000 0x8e020000 0x8e024000
S:c4_lgcp[56]: 0x8e028000 0x8e02c000 0x8e030000 0x8e034000
S:c4_lgcp[60]: 0x8e038000 0x8e03c000 0x8e040000 0x8e044000
S:chip_timers[00]: 0xb980c720 0xb980c780 0xb980c7e0 0xb980c840
S:chip_timers[04]: 0xb980c8a0 0xb980c900
S:disc_trap_enable_required     0x0             rxlp_disc_log_stop
        0x0
S:curr_rxlp_frm_cnt     0x0             curr_rxlp_disc_frm_cnt  0x0
S:sw_disc_frm_cnt       0x0             last_disc_frm_cnt       0x0
S:txq_nopop_pr_cnt      0x0             pollErrataDfe_ptBM
0xba01b4b0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][0]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][1]  0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][2]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][0] 0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][1]       0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][2] 0x0
S:
S:C4 Logical Port Variables
S:-----------------------------------------------------------------
---------
S:c4_lgc_regp           0x81c70000
S:c4_phyp:
S:      0xb6ad0000      0x0             0x0             0x0

S:      0x0             0x0             0x0             0x0

S:master_phyp           0xb6ad0000      if_id
```

```
0x4302000e
S:min_phyp              0x0             max_phyp                0x0
S:num_phy_ports         1               lgc_num                 14
S:num_iu_to             0               sw_txq_bm
        0
S:port_fid              129             unused                  0
S:port_group            1               lgc_stats_clear_ts
               1725611419
S:domain_tbl_sel                0               area_tbl_sel
        0
S:egid_tbl_sel          0
S:serv_lo_bm            0x0
S:
S:Proto Phy Variables:
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4123456      asic_phyp
0xb6ad0000
S:port_id                       0x4302800e      phy_cfg
        0xb6ad1040
S:upsm_hdl              0xb8013e60      physm_hdl
0xb8013be0
S:ov_snsm_hdl           0xb8013aa0      sw_snsm_hdl
0xb8013b40
S:ov_lksm_hdl           0xb8013c80      sw_lksm_hdl
0xb8013d20
S:trksm_hdl             0xb8013dc0      lr_flag         0x0
S:lr_active             0x0             qsfp_txrx_rate_sel
        0x0
S:
S:UPSM      UP00: UPST_PORT_DISABLED    --> UP00: UPST_PORT_DISABLED
S:SNSM(OV)  SN00: OV_SNST_STOPPED       --> SN00: OV_SNST_STOPPED
S:SNSM(SW)  SW00: SW_SNST_STAGE_WS      --> SW00: SW_SNST_STAGE_WS
S:PHYSM     PP00: PHYST_STOPPED         --> PP00: PHYST_STOPPED
S:LKSM(OV)  LK00: OV_LKST_INACTIVE      --> LK00: OV_LKST_INACTIVE
S:LKSM(SW)  SW13: INACTIVE              --> SW13: INACTIVE
S:TRKSM     TRK0: TRKST_INIT            --> TRK0: TRKST_INIT
S:
S:physm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8808900      physm_hdl
0xb8013be0
S:force_offline         0               copper                  0
S:fault_reason          0: UNKNOWN
S:phy_media_present             0
S:
S:snsm variables:
S:-------------------------------------------------------------------
---------
S:speed                 0xff            proto_phyp
0xb8808900
S:hw_sn_tries_left      0x0             sw_sn_tries_left        0x0
S:curr_txsp_count               0x0
```

```
S:tx_max                        0x0             curr_tx_indx
        0x0
S:curr_tx                       0x0             curr_rxsp_count
        0x0
S:rx_max                        0x0             curr_rx_indx
        0x0
S:curr_rx                       0x0             rx_mem
        0x0
S:rxsp_rec_count                0x0
S:nc_start              0x0             tx_start                0x0
S:sync_start            0x0             sync_present            0x0
S:diag_auto             0x0             diag_speed              0xff
S:striped_wd_tov                3000            hw_wd_tov
        3000
S:step                  0x0             qsfp28_speed_mode
        0x0
S:qsfp_mode0_hw_sn_tries_left           0x0
S:qsfp_mode1_hw_sn_tries_left           0x0
S:
S:lksm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8808900      ov_lksm_hdl
0xb8013c80
sw_lksm_hdl             0xb8013d20
num_lf1                 0
S:hw_link_tries_left    0               sw_link_tries_left      0
S:buf_ptype             0x0             stored_entry_state      0x6
S:handshake_owner               0x0             mark_unsent
        0x0
S:busybuf_stuck         0x0             lr_wait                 0x0
S:
S:trksm variables:
S:-------------------------------------------------------------------
---------
S:Not a trunk port
S:
S:upsm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8808900      upsm_hdl
0xb8013e60
S:bb_credits            0               port_beacon             0
S:port_diag_flag                0               force_offline
        0
S:port_fault_rsn                0: PORT_NO_FAULT
S:retry_init_rsn                0: UNKNOWN
S:linit_reason          0               linit_result            0
S:ie_fctl_mode          0               fec_in_sync_tries_left  0
S:retry_sn_fail_init    0
retry_link_fail_init    0
S:excess_lr_count       0
S:
S:c4_ch_cfg
```

```
S:-------------------------------------------------------------------
---------
S:c4_desc_ring_size     256      292      256      256      292
292      2        292      292
S:thresh_def            0        16       1        0
S:intr_tries            500             cmem_pattern
0xdeadbeef
S:cmem_pattern_upwd     2               cmem_init_time          16
S:cmem_init_tries               5
S:ctrl_par_thresh               2               data_par_thresh
        4
S:cam_par_thresh                4               buf_loss_thresh
        12
S:crit_par_thresh               2               non_crit_par_thresh
        6
S:pci_abort_thresh      10              pci_err_thresh          5
S:excess_chintr_thresh  8               sw_err_thresh           20
S:err_sample_period     300             intr_sleep
20000
S:frame_timeout 2500            proxy_dev               16384
S:vf_route      81920           qos             2048
S:stats 2048            f_redirect              2048
S:rsp_trap      2048            lun_zoning              20480
S:area_mode     0               ftb_max_loop[0]         0
S:ftb_max_loop[1]       6               ftb_max_loop[2]         9
S:ftb_max_loop[3]       10              ftb_max_loop[4]         10
S:ftb_max_loop[5]       5               ftb_max_loop[6]         6
S:ftb_seg_size[0]       0               ftb_seg_size[1]
16384
S:ftb_seg_size[2]       65536           ftb_seg_size[3]
16384
S:ftb_seg_size[4]       16384           ftb_seg_size[5]
65536
S:ftb_seg_size[6]       16384           ftb_seg_base[0]         0
S:ftb_seg_base[1]       0               ftb_seg_base[2]
65536
S:ftb_seg_base[3]       16384           ftb_seg_base[4]
32768
S:ftb_seg_base[5]       131072          ftb_seg_base[6]
49152
asic_err_monitor_period1                300
asic_err_monitor_period2                86400
zone_chk_to_poll_period 25
zone_chk_class2_reject_tov              220
S:
S:c4_phy_cfg
S:-------------------------------------------------------------------
---------
S:version = 2.1
S:pt                    0x4302800e      fab_ptr
0x9a800000
S:fabattr                       0x9a8000d4      fab_iop
        0x9a800050
S:cfgbm                 0xbb83b0e4      port_ctrl
```

```
0xb6ad1058
S:pcap.pcap_bm          0x8d215547      pcap.pcap2_bm
0x2588289
S:pcap.pcap3_bm         0x1bebe0c
ui_idx                  55              S:slot_no
        0
is_icl                  0               S:sw_usr_ports          400
S:neg_speed             0 0 0 0 0 0
S:my_domain             0x1             port_mode               0x0
S:hw_sn_maxtries                100             sw_sn_maxtries
        0
S:hw_link_maxtries      10              sw_link_maxtries        5
S:rx_cyc_tov            28              rttov                   300
S:bufrdy_tov            300             busybuf_tov             286
S:mark_tov              300             lksm_tov                3000
S:buf_dealloc_wait      4               hw_wd_tov               3000
S:hw_lk_train_tov               540             hw_lk_test_tov
        150
S:syswait_tx_12_lips    1               lip_rx_tov              55
S:al_time_tov           15              lp_tov                  2000
S:intr_tries_port               500             intr_mod_debounce
        250
S:intr_lsr_flt_debounce 500             intr_efifo_debounce     100
S:port_no_fid           3               excess_ptintr_thresh    8
S:port_fault1_thresh    100             port_fault1_spur_thresh 250
S:port_fault1_disc_thresh       500
port_fault1_disc_spur_thresh    1000
S:port_fault2_thresh    5               losync_tov              100
S:port_sw_link_to               15              en_8g_scramble
        1
frc_hw_sn_mode          0x1
S:enc_poll_thresh               0               fec_enable
        0
S:fec_in_sync_to                50              fec_in_sync_try_max
        4
S:port_be_lto_threshold         100             port_be_lr_threshold
                2
S:be_cr_in_sync_to              5
port_credit_overrun_thresh              10
S:jda_sfp_losig_tov             400
jda_sfp_losig_try_max           30
S:striped_wd_tov                3000
no_sync_debounce                1200
S:
S:      fab_iop
S:======================================
S:fab_iop->interop_mode 0x0             fab_iop->lab_mode       0x0
S:fab_iop->fl_bbc               0x0             fab_iop->fl_fan
        0x0
S:fab_iop->fl_cls               0x4             fab_iop->fl_rscn
        0x0
S:fab_iop->domain_id_offset     0x60            fab_iop-
>mcdt_fabric_mode       0x0
S:fab_iop->mcdt_default_zone            0x0             fab_iop-
```

```
>mcdt_safe_zone         0x0
S:
S:      port_ctrl
S:=======================================
S:port_ctrl.port_type   1               port_ctrl.port_grp      1
S:port_ctrl.port_number 55              port_ctrl.vc_mode       1
S:
S:      port_ctrl.lcap
S:=======================================
S:has_serdes            0               has_media               1
S:topology              1               skip_nego               0
S:skip_pnego            0               skip_init_event         0
S:en_shim                       0               speed_neg
        1
S:loop_back             0               num_speeds              5
S:fec_enable            0
S:
S:      port_ctrl.speed_list array
S:=======================================
S:speed_list[0].auto_neg  1     speed_list[0].lnk_speed  0x0000000a
S:speed_list[1].auto_neg  1     speed_list[1].lnk_speed  0x00000008
S:speed_list[2].auto_neg  1     speed_list[2].lnk_speed  0x00000006
S:speed_list[3].auto_neg  1     speed_list[3].lnk_speed  0x00000005
S:speed_list[4].auto_neg  1     speed_list[4].lnk_speed  0x00000003
S:speed_list[5].auto_neg  0     speed_list[5].lnk_speed  0x00000000
S:
S:      port_ctrl.cm
S:=======================================
S:port_ctrl.cm.num_vcs          8
S:port_ctrl.cm.min_bufs         8
S:port_ctrl.cm.cr_shar_bufs     0
S:port_ctrl.vc_alloc
S:port_ctrl.vc_alloc            2 0 1 1 1 1 1 1
S:port_ctrl.vc_alloc            0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.norm_vc_alloc
S:port_ctrl.norm_vc_alloc       4 0 5 5 5 5 1 1
S:port_ctrl.norm_vc_alloc       0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.cm.skip_bb_credit           0
S:port_ctrl.cm.use_shim_based_sublist           0
S:
S:      port_ctrl.serdes_set
S:=======================================
S:serdes_type           0x8
S:serdes_data_t.ibm_hss_serdes.tx_drive_power           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b_sign      0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_a           0x0
S:serdes_data_t.ibm_hss_serdes.rxeq                     0x0
S:
S:      cfgbm
S:=======================================
S:old_distance          0x0             gport_lockdown          0x0
```

```
S:tport                 0x1             speed                   0x0
S:disable_eport         0x0             fcacc                   0x0
S:lport_lockdown                0x0             priv_lport_lockdown
        0x0
S:vcxlt_linit           0x0             delay_flogi             0x0
S:isl_interop           0x0             distance                0x0
S:BufStarvFlag          0x0             credit_sharing          0x0
S:lport_halfduplex      0x0             lport_fairness          0x0
S:soft_neg              0x0             asn_frc_hwretry         0x0
S:cr_recov              0x0             fport_buffers           0x0
S:export                        0x0             export_mode
        0x0
S:csctl_en              0x0             mirror_port             0x0
S:fault_delay           0x0             non_dfe                 0x0
S:fec_configured*(0=ENAB)       0               fec_tts
        0
S:port_persistently_disabled (permanently) 0 (0)
S:
S:      cfg property
S:======================================
S:priv_pcfg_bm          0x00000000      lgcl_pcfg_bm
0xbb83b124
S:fport_buffer          0x00000000
S:
S:
S:C4 Discard Cntrs: rxlp_stats = 0xb6ad03b0
S:-------------------------------------------------------------------
---------
S:disc_mcast_wka        0x0             disc_inv_did            0x0
S:disc_cl1_cl4          0x0             disc_sid_chk_fail       0x0
S:disc_inv_dom_egid_txpt        0x0             disc_vft_hop_cnt_1
        0x0
S:disc_classf           0x0             disc_fcp_cdb_inv        0x0
S:disc_vfid_trap_enabled        0x0
disc_vfid_hdr_chk_fail  0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_ftb_vm_mode      0x0             disc_ftb_agn_t2_miss    0x0
S:disc_ecb_de_pad_err   0x0             disc_ecb_de_tag_err     0x0
S:disc_ecb_de_seq_err   0x0             disc_ecb_err            0x0
S:disc_ftb_type4_match  0x0             disc_fcp_rsp_ftb_type4  0x0
S:disc_fcp_rsp_ftb_type4        0x0             disc_ftb_type5_match
        0x0
S:disc_ftb_type3_match  0x0             disc_els_ftb_type3      0x0
S:disc_ftb_type1_match  0x0             disc_els_rsp_ex_port    0x0
S:disc_inv_drp_dps      0x0             disc_did_lookup_miss    0x0
S:disc_ftb_type2_match  0x0             disc_trpd_plogi_pdisc   0x0
S:disc_type2_lookup_miss        0x0             disc_ftb_type6_match
        0x0
S:disc_els_rep_ex_port  0x0             disc_els_sid_lkup_bit1  0x0
S:disc_els_sid_lkup_bit0        0x0
disc_bls_frm_trap_bit1  0x0
S:disc_ftb_token_err    0x0             disc_asic_internal_err  0x0
S:disc_hard_zone_miss   0x0             disc_lun_zone_miss      0x0
```

```
S:disc_flt_frame_disc   0x0             disc_flt_parity_err     0x0
S:disc_frame_marked_du  0x0             disc_frame_marked_to    0x0
E:Connection type: FE
E:Port type: E_port
E:Trunk port: No
E:Configured Speed: AUTO_SPEED_NEGO
E:Max Capable Speed: 32G
E:Current SNSM Speed: UNDEFINED
E:Hardware TX Speed: 32G (0x00000004)
E:Hardware RX Speed: 32G (0x00000040)
E:
E:Interrupts:   0           Link_failure:       0
Loss_of_sync:   0           Loss_of_sig:        0
E:Lli:          0           Invalid_word:       0
E:trapped_frm:  0           fwd_status_ok:      0
E:fwd_timeout:  0           fwd_tx_unavail:     0
E:fwd_unroutable:       0           fwd_zone_out:       0
E:fwd_other_err:        0           frm_err_discard:    0
E:Fltr listA:   0           Fltr listB:         0
E:Zone trap fwd:        0           Zone trap disc:     0
E:shim_csum:    0           RTE_perr:           0
E:Invalid_crc:  0           Delim_err:          0
E:Protocol_err: 0
E:Lr_in:        0           Lr_out:             0
E:Ols_in:       0           Ols_out:            0


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                FILTER DATA
                -----------
Shadow settings:
   Filter Enable: 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
```

```
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass: 0x00000000
Real settings:
   Enable RAM: 0x00000000, 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass RAM: 0x00000000

Shadowed filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        c4_fldenable[0] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[0] = 0x00000000,c4_fltr_config[0] = 0x00000000
```

```
Filter 1: Not Installed (MIRROR2)(LISTA)
        c4_fldenable[1] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[1] = 0x00000000,c4_fltr_config[1] = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        c4_fldenable[2] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[2] = 0x00000000,c4_fltr_config[2] = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        c4_fldenable[3] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[3] = 0x00000000,c4_fltr_config[3] = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        c4_fldenable[4] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[4] = 0x00000000,c4_fltr_config[4] = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        c4_fldenable[5] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[5] = 0x00000000,c4_fltr_config[5] = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        c4_fldenable[6] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[6] = 0x00000000,c4_fltr_config[6] = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        c4_fldenable[7] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[7] = 0x00000000,c4_fltr_config[7] = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        c4_fldenable[8] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[8] = 0x00000000,c4_fltr_config[8] = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        c4_fldenable[9] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[9] = 0x00000000,c4_fltr_config[9] = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        c4_fldenable[10] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[10] = 0x00000000,c4_fltr_config[10] =
0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        c4_fldenable[11] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[11] = 0x00000000,c4_fltr_config[11] =
0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        c4_fldenable[12] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[12] = 0x00000000,c4_fltr_config[12] =
0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        c4_fldenable[13] = 0x00000000 0x00000000 0x00000000
0x00000000
```

```
        c4_fldnegate[13] = 0x00000000,c4_fltr_config[13] =
0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        c4_fldenable[14] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[14] = 0x00000000,c4_fltr_config[14] =
0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        c4_fldenable[15] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[15] = 0x00000000,c4_fltr_config[15] =
0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        c4_fldenable[16] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[16] = 0x00000000,c4_fltr_config[16] =
0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        c4_fldenable[17] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[17] = 0x00000000,c4_fltr_config[17] =
0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        c4_fldenable[18] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[18] = 0x00000000,c4_fltr_config[18] =
0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        c4_fldenable[19] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[19] = 0x00000000,c4_fltr_config[19] =
0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        c4_fldenable[20] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[20] = 0x00000000,c4_fltr_config[20] =
0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        c4_fldenable[21] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[21] = 0x00000000,c4_fltr_config[21] =
0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        c4_fldenable[22] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[22] = 0x00000000,c4_fltr_config[22] =
0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        c4_fldenable[23] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[23] = 0x00000000,c4_fltr_config[23] =
0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        c4_fldenable[24] = 0x00000000 0x00000000 0x00000000
```

```
0x00000000
        c4_fldnegate[24] = 0x00000000,c4_fltr_config[24] =
0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        c4_fldenable[25] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[25] = 0x00000000,c4_fltr_config[25] =
0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        c4_fldenable[26] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[26] = 0x00000000,c4_fltr_config[26] =
0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        c4_fldenable[27] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[27] = 0x00000000,c4_fltr_config[27] =
0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        c4_fldenable[28] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[28] = 0x00000000,c4_fltr_config[28] =
0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        c4_fldenable[29] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[29] = 0x00000000,c4_fltr_config[29] =
0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        c4_fldenable[30] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[30] = 0x00000000,c4_fltr_config[30] =
0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        c4_fldenable[31] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[31] = 0x00000000,c4_fltr_config[31] =
0x00000000


Real filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
```

```
Filter 3: Not Installed (MIRROR4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
```

```
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
```

```
Filter 30: Not Installed (IPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000

Filter dirty indicator: 0x00000000
Performance filters: 0
Port Mirror filters: 0 (0x0)


               FIELD DATA
               ----------

Shadowed fields:

fldoffset[0] = 0x00,fldmask[0] = 0x00,fldvalue_dyna[0]:0x00 0x00
0x00 0x00
fldcontrol[0].inuse = 0x0  fldcontrol[0].refcnt = 0x00 0x00 0x00
0x00
fldoffset[1] = 0x00,fldmask[1] = 0x00,fldvalue_dyna[1]:0x00 0x00
0x00 0x00
fldcontrol[1].inuse = 0x0  fldcontrol[1].refcnt = 0x00 0x00 0x00
0x00
fldoffset[2] = 0x00,fldmask[2] = 0x00,fldvalue_dyna[2]:0x00 0x00
0x00 0x00
fldcontrol[2].inuse = 0x0  fldcontrol[2].refcnt = 0x00 0x00 0x00
0x00
fldoffset[3] = 0x00,fldmask[3] = 0x00,fldvalue_dyna[3]:0x00 0x00
0x00 0x00
fldcontrol[3].inuse = 0x0  fldcontrol[3].refcnt = 0x00 0x00 0x00
0x00
fldoffset[4] = 0x00,fldmask[4] = 0x00,fldvalue_dyna[4]:0x00 0x00
0x00 0x00
fldcontrol[4].inuse = 0x0  fldcontrol[4].refcnt = 0x00 0x00 0x00
0x00
fldoffset[5] = 0x00,fldmask[5] = 0x00,fldvalue_dyna[5]:0x00 0x00
0x00 0x00
fldcontrol[5].inuse = 0x0  fldcontrol[5].refcnt = 0x00 0x00 0x00
0x00
fldoffset[6] = 0x00,fldmask[6] = 0x00,fldvalue_dyna[6]:0x00 0x00
0x00 0x00
fldcontrol[6].inuse = 0x0  fldcontrol[6].refcnt = 0x00 0x00 0x00
0x00
fldoffset[7] = 0x00,fldmask[7] = 0x00,fldvalue_dyna[7]:0x00 0x00
0x00 0x00
fldcontrol[7].inuse = 0x0  fldcontrol[7].refcnt = 0x00 0x00 0x00
0x00
fldoffset[8] = 0x00,fldmask[8] = 0x00,fldvalue_dyna[8]:0x00 0x00
0x00 0x00
fldcontrol[8].inuse = 0x0  fldcontrol[8].refcnt = 0x00 0x00 0x00
```

```
0x00
fldoffset[9] = 0x00,fldmask[9] = 0x00,fldvalue_dyna[9]:0x00 0x00
0x00 0x00
fldcontrol[9].inuse = 0x0  fldcontrol[9].refcnt = 0x00 0x00 0x00
0x00
fldoffset[10] = 0x00,fldmask[10] = 0x00,fldvalue_dyna[10]:0x00 0x00
0x00 0x00
fldcontrol[10].inuse = 0x0  fldcontrol[10].refcnt = 0x00 0x00 0x00
0x00
fldoffset[11] = 0x00,fldmask[11] = 0x00,fldvalue_dyna[11]:0x00 0x00
0x00 0x00
fldcontrol[11].inuse = 0x0  fldcontrol[11].refcnt = 0x00 0x00 0x00
0x00
fldoffset[12] = 0x00,fldmask[12] = 0x00,fldvalue_dyna[12]:0x00 0x00
0x00 0x00
fldcontrol[12].inuse = 0x0  fldcontrol[12].refcnt = 0x00 0x00 0x00
0x00
fldoffset[13] = 0x00,fldmask[13] = 0x00,fldvalue_dyna[13]:0x00 0x00
0x00 0x00
fldcontrol[13].inuse = 0x0  fldcontrol[13].refcnt = 0x00 0x00 0x00
0x00
fldoffset[14] = 0x00,fldmask[14] = 0x00,fldvalue_dyna[14]:0x00 0x00
0x00 0x00
fldcontrol[14].inuse = 0x0  fldcontrol[14].refcnt = 0x00 0x00 0x00
0x00
fldoffset[15] = 0x00,fldmask[15] = 0x00,fldvalue_dyna[15]:0x00 0x00
0x00 0x00
fldcontrol[15].inuse = 0x0  fldcontrol[15].refcnt = 0x00 0x00 0x00
0x00
fldoffset[16] = 0x00,fldmask[16] = 0x00,fldvalue_dyna[16]:0x00 0x00
0x00 0x00
fldcontrol[16].inuse = 0x0  fldcontrol[16].refcnt = 0x00 0x00 0x00
0x00
fldoffset[17] = 0x00,fldmask[17] = 0x00,fldvalue_dyna[17]:0x00 0x00
0x00 0x00
fldcontrol[17].inuse = 0x0  fldcontrol[17].refcnt = 0x00 0x00 0x00
0x00
fldoffset[18] = 0x00,fldmask[18] = 0x00,fldvalue_dyna[18]:0x00 0x00
0x00 0x00
fldcontrol[18].inuse = 0x0  fldcontrol[18].refcnt = 0x00 0x00 0x00
0x00
fldoffset[19] = 0x00,fldmask[19] = 0x00,fldvalue_dyna[19]:0x00 0x00
0x00 0x00
fldcontrol[19].inuse = 0x0  fldcontrol[19].refcnt = 0x00 0x00 0x00
0x00

Real fields:

fldoffset RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fldmask RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fld value4 RAM:
0x00000000
```

```
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
Field dirty indicator: 0x00000000

FDB reference count fdb: 0 [0 0 0 0 ]
FDB reference count fdb: 1 [0 0 0 0 ]
FDB reference count fdb: 2 [0 0 0 0 ]
FDB reference count fdb: 3 [0 0 0 0 ]
FDB reference count fdb: 4 [0 0 0 0 ]
FDB reference count fdb: 5 [0 0 0 0 ]
FDB reference count fdb: 6 [0 0 0 0 ]
FDB reference count fdb: 7 [0 0 0 0 ]
FDB reference count fdb: 8 [0 0 0 0 ]
FDB reference count fdb: 9 [0 0 0 0 ]
FDB reference count fdb: 10 [0 0 0 0 ]
FDB reference count fdb: 11 [0 0 0 0 ]
FDB reference count fdb: 12 [0 0 0 0 ]
FDB reference count fdb: 13 [0 0 0 0 ]
FDB reference count fdb: 14 [0 0 0 0 ]
FDB reference count fdb: 15 [0 0 0 0 ]
FDB reference count fdb: 16 [0 0 0 0 ]
FDB reference count fdb: 17 [0 0 0 0 ]
FDB reference count fdb: 18 [0 0 0 0 ]
FDB reference count fdb: 19 [0 0 0 0 ]

Filter counters:
   Filter counter 0: 0  (MIRROR1)
   Filter counter 1: 0  (MIRROR2)
   Filter counter 2: 0  (MIRROR3)
   Filter counter 3: 0  (MIRROR4)
   Filter counter 4: 0  (AEPORT_NON_MIRR_DROP)
   Filter counter 5: 0  (ZONING TRAP)
   Filter counter 6: 0  (FCR_EXPORT_DC)
   Filter counter 7: 0  (TIN TRAP)
   Filter counter 8: 0  (FICON CUP)
   Filter counter 9: 0  (FICON CUP DST)
   Filter counter 10: 0 (WELL KNOWN ADDR)
```

```
   Filter counter 11: 0 (SIM)
   Filter counter 12: 0 (UNUSED)
   Filter counter 13: 0 (UNUSED)
   Filter counter 14: 0 (UNUSED)
   Filter counter 15: 0 (UNUSED)
   Filter counter 16: 0 (PERF1)
   Filter counter 17: 0 (PERF2)
   Filter counter 18: 0 (PERF3)
   Filter counter 19: 0 (PERF4)
   Filter counter 20: 0 (PERF5)
   Filter counter 21: 0 (PERF6)
   Filter counter 22: 0 (PERF7)
   Filter counter 23: 0 (PERF8)
   Filter counter 24: 0 (PERF9)
   Filter counter 25: 0 (PERF10)
   Filter counter 26: 0 (PERF11)
   Filter counter 27: 0 (PERF12)
   Filter counter 28: 0 (OPM1)
   Filter counter 29: 0 (OPM2)
   Filter counter 30: 0 (IPM1)
   Filter counter 31: 0 (IPM2)

               ACL DATA
               --------
Logical port 14: Hard Zoning disabled, Soft Zoning disabled
Zone type: WWN Zoning
Frames with hard zone miss: 0

*** Please use filterportshow on user port 56 to display ACL hash
tables and Mirroring resources of thischip.
 ***We show this data only for the first physical port which is an
exernal port.

portFcPortCmdShow --slot 0 56 3
doing portFcPortCmdShow: arg1 = 3, arg2 = -2

portshow 56
portDisableReason: None
portCFlags: 0x0
portFlags: 0x4021        PRESENT U_PORT DISABLED LED
LocalSwcFlags: 0x0
portType:  26.0
POD Port: Need license to enable the port
portState: 2    Offline
Protocol: FC
portPhys:  2    No_Module       portScn:   2    Offline
port generation number:    0
state transition count:    0

portId:    013800
portIfId:    43020000
portWwn:   20:38:d8:1f:cc:2c:99:90
portWwn of device(s) connected:
16b Area list:
```

```
Distance:  normal
portSpeed: N32Gbps

FEC: Inactive
Credit Recovery: Inactive
LE domain: 0
Peer beacon: Off
FC Fastwrite: OFF
Interrupts:        0          Link_failure: 0          Frjt:
0
Unknown:           0          Loss_of_sync: 0          Fbsy:
0
Lli:               0          Loss_of_sig:  0
Proc_rqrd:         0          Protocol_err: 0
Timed_out:         0          Invalid_word: 0
Tx_unavail:        0          Invalid_crc:  0
Delim_err:         0          Address_err:  0
Lr_in:             0          Ols_in:       0
Lr_out:            0          Ols_out:      0


portloginshow 56
Type  PID     World Wide Name        credit df_sz cos
=====================================================


portloginshow 56 –history
 Type  PID      World Wide Name           logout time
============================================================


portregshow 56

LED registers
=============
0x81c02000: c4_led_status           00000000    0x81c02004:
c4_led_ctl              00000000

FPL registers
=============
0x81c00200: fpl_port_config         23490000
0x81c0020c: fpl_port_id_ctl         00000000    0x81c00210:
fpl_port_id_addr        00013800
0x81c00214: fpl_port_speed          00000004    0x81c0021c:
fpl_lli_ctl             00000903
0x81c00228: fpl_lli_os_ctl          bc95b5b5    0x81c0022c:
fpl_lli_send_word       bc95b5b5
0x81c00230: fpl_lli_mark_rx         00000000    0x81c00234:
fpl_lli_rnd_trip_time   00000000
0x81c00238: fpl_lli_ns_status       00070007    0x81c0023c:
fpl_lli_intr_status     80070007
0x81c00244: fpl_lli_def             00000000    0x81c00254:
fpl_lli_intr_enable_clr 00100000
0x81c00258: fpl_err_intr_status     00000000    0x81c00260:
```

```
fpl_err_intr_enable_clr 00000000
0x81c00268: fpl_err_first_error     00000000    0x81c0026c:
fpl_speed_neg_ctl       00000000
0x81c00270: fpl_speed_neg_stat      00000000    0x81c00274:
fpl_softasn_ctl         0000000f
0x81c00278: fpl_link_init_ctl       00000000    0x81c0027c:
fpl_link_init_stat      00000000
0x81c00280: fpl_aec_ctl             00051060    0x81c00284:
fpl_aec_ctl2            04009f60
0x81c00288: fpl_pcs_ctl             00000160    0x81c0028c:
fpl_fec_ctl             00000441
0x81c00290: fpl_fec_cor             00000000    0x81c00294:
fpl_fec_uncor           00000000
0x81c00298: fpl_hss_link_ctl        0031f040    0x81c0029c:
fpl_afifo_link_ctl      00000a86
0x81c002a0: fpl_echo_lb_ctl         0000028c    0x81c002a4:
fpl_scratch             01000121
0x81c002a8: fpl_debug               00030005    0x81c002ac:
fpl_misc_debug          00001800
0x00000000: SW_shadow_reg           00000000    0x00000000:
SW_c4_phyp->cfgptr      00030000

per-fpg (per octet) registers
=============================
0x8180382c: fpg_serdes_ctla0        81a37be7    0x81803830:
fpg_serdes_ctla1        81a37be7
0x81803834: fpg_serdes_ctlb0        81a1c3c3    0x81803838:
fpg_serdes_ctlb1        81a1c3c3
0x8180383c: fpg_serdes_xgmii_1ms    00067c28    0x81803840:
fpg_serdes_regtimctl    40e47946
0x81803844: fpg_serdes_asnrsttimctl 00000102

HSS PLL registers
=============================
0x81801400: 00_hssplla_vco_coarse_cal0      00000000    0x81801404:
01_hssplla_vco_coarse_cal1      00000014
0x81801408: 02_hssplla_vco_coarse_cal2      00000000    0x8180140c:
03_hssplla_vco_coarse_cal3      00000000
0x81801410: 04_hssplla_vco_coarse_cal4      00000000    0x81801424:
09_hssplla_power_ctl            00000000
0x81801428: 0A_hssplla_charge_pump_ctl      00000004    0x81801438:
0E_hssplla_pll_misc_ctl         00000000
0x8180143c: 0F_hssplla_pclk_ctl             000000f8    0x81801440:
10_hssplla_eyem_intv_ctl        00000000
0x81801444: 11_hssplla_eyem_intv_lim1       00000000    0x81801448:
12_hssplla_eyem_intv_lim2       00000000
0x8180144c: 13_hssplla_eyem_intv_lim3       00000000    0x81801450:
14_hssplla_eyem_intv_lim4       00000000
0x818014f0: 3C_hssplla_macro_tst_ctl4       00000000    0x818014f4:
3D_hssplla_macro_tst_ctl3       00000000
0x818014f8: 3E_hssplla_macro_tst_ctl2       00000000    0x818014fc:
3F_hssplla_macro_tst_ctl1       00000000
0x81801500: 00_hssp1lb_vco_coarse_cal0      0000000a    0x81801504:
01_hssp1lb_vco_coarse_cal1      00000014
```

```
0x81801508: 02_hssplb_vco_coarse_cal2      00000000    0x8180150c:
03_hssplb_vco_coarse_cal3      00000000
0x81801510: 04_hssplb_vco_coarse_cal4      00000000    0x81801524:
09_hssplb_power_ctl            00000000
0x81801528: 0A_hssplb_charge_pump_ctl      00000004    0x81801538:
0E_hssplb_pll_misc_ctl         00000000
0x8180153c: 0F_hssplb_pclk_ctl             000000f8    0x81801540:
10_hssplb_eyem_intv_ctl        00000000
0x81801544: 11_hssplb_eyem_intv_lim1       00000000    0x81801548:
12_hssplb_eyem_intv_lim2       00000000
0x8180154c: 13_hssplb_eyem_intv_lim3       00000000    0x81801550:
14_hssplb_eyem_intv_lim4       00000000
0x818015f0: 3C_hssplb_macro_tst_ctl4       00000000    0x818015f4:
3D_hssplb_macro_tst_ctl3       00000000
0x818015f8: 3E_hssplb_macro_tst_ctl2       00000000    0x818015fc:
3F_hssplb_macro_tst_ctl1       00000000

HSS TX registers
================
0x81800000: 00_hsstx_cfg_mode_PHY          00009f48    0x81800004:
01_hsstx_test_ctl              00000000
0x81800008: 02_hsstx_coeff_ctl_INV         00000000    0x8180000c:
03_hsstx_drv_mode_ctl          00000000
0x81800010: 04_hsstx_drv_ovrd_ctl          00000010    0x81800014:
05_hsstx_dclk_align_ovrd       00000080
0x81800018: 06_hsstx_imp_cal_ovrd          00000c0c    0x8180001c:
07_hsstx_dclk_drift_tol        00000004
0x81800020: 08_hsstx_tap0_coeff_TUNE       00000000    0x81800024:
09_hsstx_tap1_coeff_TUNE       00000003
0x81800028: 0A_hsstx_tap2_coeff_TUNE       00000018    0x8180002c:
0B_hsstx_tap3_coeff_TUNE       0000000d
0x81800034: 0D_hsstx_pol_INV               0000000a    0x81800038:
0E_hsstx_ae_cmd                00000000
0x8180003c: 0F_hsstx_ae_stat               00000000    0x81800040:
10_hsstx_ae_tap0_TUNE          00000000
0x81800044: 11_hsstx_ae_tap1_TUNE          00000000    0x81800048:
12_hsstx_ae_tap2_TUNE          00000028
0x8180004c: 13_hsstx_ae_tap3_TUNE          00000000    0x81800054:
15_hsstx_app_tune              0000120e
0x81800058: 16_hsstx_analog_diag           00000000    0x81800060:
18_hsstx_4x_seg_app            0000aafa
0x81800064: 19_hsstx_2x_seg_app            00000000    0x81800068:
1A_hsstx_1x_seg_app            0000ff5d
0x8180006c: 1B_hsstx_seg_4x_term_app       00000000    0x81800070:
1C_hsstx_seg_2x1x_term_app     00000f00
0x81800074: 1D_hsstx_tap_sign_app          0000000a    0x81800078:
1E_hsstx_ext_addr_data         00000001
0x8180007c: 1F_hsstx_ext_addr_addr         00000000    0x81800080:
20_hsstx_pat_buf_bytes_1_0     00000000
0x81800084: 21_hsstx_pat_buf_bytes_3_2     00000000    0x81800088:
22_hsstx_pat_buf_bytes_5_4     00000000
0x8180008c: 23_hsstx_pat_buf_bytes_7_6     00000000    0x8180009c:
27_hsstx_8023az_ctl            00000000
0x818000a0: 28_hsstx_dcc_ctl               000060c0    0x818000a4:
```

```
29_hsstx_dcc_ovrd               00000000
0x818000a8: 2A_hsstx_dcc_app                00000083    0x818000ac:
2B_hsstx_dcc_timeout            0000ffff
0x818000c0: 30_hsstx_tap_sign_ovrd          00000000    0x818000c8:
32_hsstx_seg_4x_ovrd            00000000
0x818000cc: 33_hsstx_seg_2x_ovrd            00000000    0x818000d0:
34_hsstx_seg_1x_ovrd            00000000
0x818000d8: 36_hsstx_tap_seg_4x_term_ovrd   00000000    0x818000dc:
37_hsstx_tap_seg_2x_term_ovrd   00000000
0x818000e0: 38_hsstx_tap_seg_1x_term_ovrd   00000000    0x818000ec:
3B_hsstx_mac_test_ctl5          00000000
0x818000f0: 3C_hsstx_mac_test_ctl4          00000000    0x818000f4:
3D_hsstx_mac_test_ctl3          00000000
0x818000f8: 3E_hsstx_mac_test_ctl2          00000000    0x818000fc:
3F_hsstx_mac_test_ctl1          000000c6

HSS RX registers
================
0x81800200: 00_hssrx_cfg_mode_PHY           00009e78    0x81800204:
01_hssrx_test_ctl               00000000
0x81800208: 02_hssrx_phs_rot_ctl            0000cb80    0x8180020c:
03_hssrx_phs_rot_ofs_ctl        00000610
0x81800210: 04_hssrx_phs_rot_posn1          00000908    0x81800214:
05_hssrx_phs_rot_posn2          00000039
0x81800218: 06_hssrx_phs_rot_sta_ofs1       00000000    0x8180021c:
07_hssrx_phs_rot_sta_ofs2       0000001f
0x81800220: 08_hssrx_dfe_ctl_PHY            00002002    0x81800224:
09_hssrx_dfe_smpl_snap1         00000000
0x81800228: 0A_hssrx_dfe_smpl_snap2         00008000    0x8180022c:
0B_hssrx_vga_ctl1               00004023
0x81800230: 0C_hssrx_vga_ctl2               00007aa0    0x81800234:
0D_hssrx_vga_ctl3               000009e4
0x81800238: 0E_hssrx_pwr_mgmnt_ctl          0000001f    0x8180023c:
0F_hssrx_iqamp_ctl1             00000019
0x81800240: 10_hssrx_iqamp_ctl2             00000004    0x81800244:
11_hssrx_dacap_dacan_sel        00000003
0x81800248: 12_hssrx_dacap_dacan            0000fffd    0x8180024c:
13_hssrx_daca_min               00000000
0x81800250: 14_hssrx_adac_ctl               000000ff    0x81800254:
15_hssrx_ac_cp_ctl              000031c3
0x81800258: 16_hssrx_ac_cp_val              00008049    0x8180025c:
17_hssrx_dfe_h1h2h3_lcl_off_ch  00000014
0x81800260: 18_hssrx_dfe_h1h2h3_lcl_off_val 00000000    0x81800264:
19_hssrx_peaked_intg            000000ff
0x81800268: 1A_hssrx_cdr_analog_sw          0000ce00    0x8180026c:
1B_hssrx_peaking_amp_init_c_PHY 00000000
0x81800270: 1C_hssrx_dac_dpc                00000040    0x81800274:
1D_hssrx_ddc                    00000000
0x81800278: 1E_hssrx_int_stat_PHY           00000c0f    0x8180027c:
1F_hssrx_dfe_func_ctl1_PHY      0000ffff
0x81800280: 20_hssrx_dfe_func_ctl2_INV      00007eff    0x81800284:
21_hssrx_ofs_ch_dcc_qcc_idx     00002000
0x81800288: 22_hssrx_dfe_ofs_val            0000797f    0x8180028c:
23_hssrx_h_coeff_bist           00000401
```

```
0x81800290: 24_hssrx_ac_cap_bist            000000d1    0x81800294:
25_hssrx_max_gain_path_idx_res  00007800
0x81800298: 26_hssrx_loff_ctl               00000054    0x8180029c:
27_hssrx_sigdet_ctl             00002680
0x818002a0: 28_hssrx_ana_ctl_sw             00000000    0x818002a4:
29_hssrx_intg_dac_ofs           0000afe0
0x818002a8: 2A_hssrx_eye_ctl                00000000    0x818002ac:
2B_hssrx_eye_met                00000004
0x818002b0: 2C_hssrx_eye_met_err_cnt        00000000    0x818002b4:
2D_hssrx_eye_met_pdf_eyec       00000000
0x818002b8: 2E_hssrx_eye_met_pat_len        0000007f    0x818002bc:
2F_hssrx_dfe_func_ctl3          0000dfff
0x818002c0: 30_hssrx_dfe_tap_ctl_idx_ptr    00000008    0x818002c4:
31_hssrx_dfe_tap                00003030
0x818002c8: 32_hssrx_lte_ctl_TUNE           00001601    0x818002e4:
39_hssrx_int_stat2              000041ff
0x818002e8: 3A_hssrx_ac_cpl_cur_src_adj     00000040    0x818002ec:
3B_hssrx_dcd_ctl                00007c4c
0x818002f0: 3C_hssrx_dcc_ctl                00000d00    0x818002f4:
3D_hssrx_qcc_ctl                00006946
0x818002f8: 3E_hssrx_mac_test_ctl2          00000000    0x818002fc:
3F_hssrx_mac_test_ctl1          00000000
0x81800248: 12_hssrx_dacap_dacan[02]                00fd fffd
0x81800260: 18_hssrx_dfe_h1h2h3_lcl_off_va[00]      0000 0000   0000
0000   0000 0000   0000 0000
0x81800260: 18_hssrx_dfe_h1h2h3_lcl_off_va[08]      0000 0000   0000
0000   0000 0000   0000 0000
0x81800260: 18_hssrx_dfe_h1h2h3_lcl_off_va[16]      0000 0000   0000
0000   0000
0x81800288: 22_hssrx_dfe_ofs_val[00][00]            797f 0100   0d7d
7f00   7a00 0000
0x81800288: 22_hssrx_dfe_ofs_val[03][00]            7b08 0000   0106
0000   7b7e 0000
0x81800288: 22_hssrx_dfe_ofs_val[06][00]            7f05 0000   7b79
0000   7f0b 007f
0x81800288: 22_hssrx_dfe_ofs_val[09][00]            7d7a 0000   0d04
7f00   0501 7f00
0x81800288: 22_hssrx_dfe_ofs_val[12][00]            7f7c 0000   0704
7f00   0906 7f00
0x81800288: 22_hssrx_dfe_ofs_val[15][00]            7d7b 0000   097e
7f00   047b 7f00
0x81800288: 22_hssrx_dfe_ofs_val[18][00]            017d 0000   7b7d
0000   007b 0000
0x81800288: 22_hssrx_dfe_ofs_val[21][00]            007b 0000   007b
0000   007b 0000
0x81800288: 22_hssrx_dfe_ofs_val[24][00]            7c7f 0000   0200
0000   7d01 0000
0x81800294: 25_hssrx_max_gain_path_idx_res[00]      005c 084e   1101
1896   2100 28b0   3096 3800
0x81800294: 25_hssrx_max_gain_path_idx_res[08]      40d0 489a   5080
5800   6040 6800   70f9 7800
0x818002c4: 31_hssrx_dfe_tap[00]                    fffe 8080   0000
0000   0030 0030   3030 3030
0x818002c4: 31_hssrx_dfe_tap[08]                    3030 3030   3030
```

```
0000
0x818002e8: 3A_hssrx_ac_cpl_cur_src_adj[00]         0040 0040   0040
0040
0x818002ec: 3B_hssrx_dcd_ctl[00]                    7c4c 5c00   7c85
5c00   7c84
0x818002f0: 3C_hssrx_dcc_ctl[00]                    0d00 0d42   0d82
0d81
0x818002f4: 3D_hssrx_qcc_ctl[00]                    6986 6946

xfipcs, fec, aec, & aet registers
=================================
0x81c00400: xfipcs_reg              [00] 00002040 00000080 00000000
00000000    00000001 00000008 00000000 00000000
0x81c00420: xfipcs_reg              [08] 00008c01 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c00440: xfipcs_reg              [16] 00000000 00000000 00000000
00000000    00000040 00000000 00000000 00000000
0x81c00460: xfipcs_reg              [24] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c00480: xfipcs_reg              [32] 00000004 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c00620: fec_32g_128g_reg        [08] 00000000 00000000 00000000
00000000    00000000 00000000 00000000
0x81c00648: fec_32g_128g_reg        [18] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c00a00: aec_reg                 [00] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c00c00: aet_reg                 [00] 00000000 00000000 00000000
00000000    00000000

bbc registers
=============
0x81c01800: bbc_trc                 0    0    0    0    0    0    0
0
0x81c01840: bbc_trc                 0    0    0    0    0    0    0
0
0x81c01880: bbc_trc                 0    0    0    0    0    0    0
0
0x81c018c0: bbc_trc                 0    0    0    0    0    0    0
0
0x81c01900: bbc_trc                 0    0    0    0    0    0    0
0
0x81c01804: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c01844: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c01884: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c018c4: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c01904: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c01a00: bbc_rcc                 0    0    0    0    0    0    0
0
```

```
0x81c01a20: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c01a40: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c01a60: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c01a80: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c01c00: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c01c20: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c01c40: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c01c60: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c01c80: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c01d00: bbc_fbpc                00000000    0x81c01d04: bbc_csc
00000000
0x81c01d08: bbc_rcc_inc             00000000    0x81c01d0c:
bbc_rqc_inc             00000000
0x81c01d10: bbc_fbpc_inc            00000000    0x81c01d14:
bbc_tmc_inc             00000000
0x81c01d18: bbc_threshold           00080100    0x81c01d1c:
bbc_counter_clr         00000000
0x81c01d20: bbc_debug_en            00000000    0x81c01d24: bbc_ctrl
00200020
0x81c01d28: bbc_rqc_rcc_thresh      00000055    0x81c01d34:
bbc_bb_sc_n             00000000
0x81c01d38: bbc_crd_reco_debug      00000000    0x81c01d3c:
bbc_crd_reco_debug_data 00000000
0x81c01d40: bbc_multi_frm_loss_cnt  00000000    0x81c01d44:
bbc_multi_rdy_loss_cnt  00000000
0x81c01d48: bbc_1frm_loss_recov_cnt 00000000    0x81c01d4c:
bbc_1rdy_loss_recov_cnt 00000000
0x81c01d58: bbc_int_status          00000000    0x81c01d5c:
bbc_int_set             00000000
0x81c01d60: bbc_int_first           00000000    0x81c01d64:
bbc_frm_rdy_rx_err_addr 00000000
0x81c01d68: bbc_frm_rdy_tx_err_addr 00000000    0x81c01d6c:
bbc_trc_mbc_err_addr    00000000
0x81c01d70: bbc_frm_rdy_rx_dbl_ecc  00000000    0x81c01d74:
bbc_frm_rdy_tx_dbl_ecc  00000000
0x81c01d78: bbc_trc_mbc_dbl_ecc     00000000
0x81c01d7c: bbc_fsm_status          00001011    0x81c01d80:
bbc_force_err           00000000
0x81c01d84: bbc_crdt_avail0         ffffffff    0x81c01d88:
bbc_crdt_avail1         000000ff
0x81c01d8c: bbc_scratch             00000000

FPS registers
=============
0x81c00004: fps_er_enc_in           00000000    0x81c00008:
```

```
fps_er_crc              00000000
0x81c0000c: fps_er_trunc            00000000    0x81c00010:
fps_er_toolong          00000000
0x81c00014: fps_er_bad_eof          00000000    0x81c00018:
fps_er_enc_out          00000000
0x81c0001c: fps_er_bad_os           00000000    0x81c00020:
fps_er_flush            00000000
0x81c00024: fps_er_ifg              00000000    0x81c00038:
fps_er_crc_good_eof     00000000
0x81c0003c: fps_inv_arb             00000000    0x81c00040:
fps_slow_sts_status     00000000
0x81c00044: fps_tx_frm_cnt          00000000    0x81c00048:
fps_rx_frm_cnt          00000000
0x81c00050: fps_tx_word_cnt_hi      00000000    0x81c0004c:
fps_tx_word_cnt_lo      00000000
0x81c00058: fps_rx_word_cnt_hi      00000000    0x81c00054:
fps_rx_word_cnt_lo      00000000

BAL registers
=============
0x81c07000: bal_desired_buf         00000000    0x81c07004:
bal_alloc_buf           00000000
0x81c07008: bal_busy_buf            00000000    0x81c0700c:
bal_usable_buf          00000000
0x81c07010: bal_max_bor_buf         00000000
0x81c07014: bal_busy_buf_thresh     00000002

TXQ registers
=============
0x81c03004: txq_phys_port_ctl       00400000
0x81c03050: txq_link_skew           00000000
0x81c03068: txq_cr_lk_dttn_intr_sts [00] 00000000 00000000
0x81c03070: txq_cr_lk_dttn_intr_en  [00] 00000000 00000000
0x81c03024: txq_disc_frm_trap_cnt   00000014

FDS registers
=============
0x81c04000: fds_rxf_ctl             00000002    0x81c04004:
fds_rxf_wait_thresh     00000909
0x81c04018: fds_rxf_first_error     00000000    0x81c0401c:
fds_rxf_first_error_info00000000
0x81c04020: fds_rxf_inout_pkt_cnt   00000000
0x81c04008: fds_rxf_err_int_status  00000000    0x81c04024:
fds_rxf_fifo_status     00888888
0x81c05000: fds_txf_ctl             0000003a    0x81c05004:
fds_txf_wait_ifg_thresh 00a00106
0x81c05008: fds_txf_err_int_status  00000000    0x81c05024:
fds_txf_fifo_status     00088888
0x81c0502c: fds_txf_bbc_scs         00000000

Logical TXQ registers
=====================
0x81c03000: txq_log_port_ctl        00000002    0x81c03008:
txq_port_status         00000000
```

```
0x81c0300c: txq_todo_flags          [00] 00000000 00000000
0x81c03014: txq_spd_match_desc      [00] 00000000 00000000 00000000
00000000
0x81c03024: txq_spd_match_desc      [04] 00000014
0x81c03028: txq_vc_weight           [00] 01010101 01010101 01010101
01010101
0x81c03038: txq_vc_weight           [04] 01010101 01010101 01010101
01010101
0x81c03048: txq_vc_weight           [08] 01010101 00010101
0x81c03054: txq_cong_dttn_ctrl      00000000
0x81c03058: txq_cong_dttn_intr_sts  [00] 00000000 00000000
0x81c03060: txq_cong_dttn_intr_en   [00] 00000000 00000000
0x81c03078: txq_bw_limit_en_reg     [00] 00000000 00000000
0x81c03080: txq_bw_gua_en_reg       [00] 00000000 00000000
0x81c03088: txq_vc_group            [00] 03030300 03030303 03030303
03030303
0x81c03098: txq_vc_group            [04] 03030303 03030303 03030303
03030303
0x81c030a8: txq_vc_group            [08] 03030303 03030303 00000000
00000000
0x81c030b0: txq_bw_thresh_group     [00] 00000000 00000000 00000000
00000000
0x81c030c0: txq_bw_thresh_group     [04] 00000000 00000000 00000000
00000000
0x81c030d0: txq_bw_thresh_group     [08] 00000000 00000000 00000000
00000000
0x81c030e0: txq_bw_thresh_group     [12] 00000000 00000000 00000000
00000000
0x81c030f0: txq_bw_thresh_group     [16] 00000000 00000000 00000000
00000000
0x81c03100: txq_bw_thresh_group     [20] 00000000 00000000 00000000
00000000
0x81c03110: txq_bw_thresh_group     [24] 00000000 00000000 00000000
00000000
0x81c03120: txq_bw_thresh_group     [28] 00000000 00000000 00000000
00000000
0x81c03130: txq_bw_thresh_group     [32] 00000000 00000000 00000000
00000000
0x81c03140: txq_bw_thresh_group     [36] 00000000 00000000 00000000
00000000

txq Congestion detection Statistics RAM
=======================================
0x81090000: vc[0]       00000000        0x81090004: vc[1]
00000000
0x81090008: vc[2]       00000000        0x8109000c: vc[3]
00000000
0x81090010: vc[4]       00000000        0x81090014: vc[5]
00000000
0x81090018: vc[6]       00000000        0x8109001c: vc[7]
00000000
0x81090020: vc[8]       00000000        0x81090024: vc[9]
00000000
0x81090028: vc[10]      00000000        0x8109002c: vc[11]
```

```
00000000
0x81090030: vc[12]      00000000        0x81090034: vc[13]
00000000
0x81090038: vc[14]      00000000        0x8109003c: vc[15]
00000000
0x81090040: vc[16]      00000000        0x81090044: vc[17]
00000000
0x81090048: vc[18]      00000000        0x8109004c: vc[19]
00000000
0x81090050: vc[20]      00000000        0x81090054: vc[21]
00000000
0x81090058: vc[22]      00000000        0x8109005c: vc[23]
00000000
0x81090060: vc[24]      00000000        0x81090064: vc[25]
00000000
0x81090068: vc[26]      00000000        0x8109006c: vc[27]
00000000
0x81090070: vc[28]      00000000        0x81090074: vc[29]
00000000
0x81090078: vc[30]      00000000        0x8109007c: vc[31]
00000000
0x81090080: vc[32]      00000000        0x81090084: vc[33]
00000000
0x81090088: vc[34]      00000000        0x8109008c: vc[35]
00000000
0x81090090: vc[36]      00000000        0x81090094: vc[37]
00000000
0x81090098: vc[38]      00000000        0x8109009c: vc[39]
00000000


Logical STS registers
=====================
0x81584084: sts_ftb_type1_miss      00000000
0x81584088: sts_ftb_type2_miss      00000000
0x8158408c: sts_ftb_type6_miss      00000000
0x81584090: sts_hard_zoning_miss    00000000
0x81584094: sts_lun_zoning_miss     00000000
0x8158409c: sts_unroutable          00000000
0x815810b4: sts_rte_cl2             00000000    0x815810b8:
sts_rte_cl3             00000000        0x815810bc: sts_rte_link_ctl
00000000        0x815840a8: sts_tx_timeout          00000000

Logical STS filter registers
=====================
0x81584000: sts_flt_trig            [00] 00000000 00000000 00000000
00000000
0x81584010: sts_flt_trig            [04] 00000000 00000000 00000000
00000000
0x81584020: sts_flt_trig            [08] 00000000 00000000 00000000
00000000
0x81584030: sts_flt_trig            [12] 00000000 00000000 00000000
00000000
0x81584040: sts_flt_trig            [16] 00000000 00000000 00000000
```

```
00000000
0x81584050: sts_flt_trig            [20] 00000000 00000000 00000000
00000000
0x81584060: sts_flt_trig            [24] 00000000 00000000 00000000
00000000
0x81584070: sts_flt_trig            [28] 00000000 00000000 00000000
00000000
0x81584080: sts_flt_trig            [32]

Logical STS discard registers
=====================
0x81581000: disc_mcast_wka          00000000    0x81581004:
disc_inv_did            00000000
0x81581008: disc_cl1_cl4            00000000    0x8158100c:
disc_sid_chk_fail       00000000
0x81581010: disc_inv_dom_egid_txpt  00000000    0x81581014:
disc_vft_hop_cnt_1      00000000
0x81581018: disc_classf             00000000    0x8158101c:
disc_fcp_cdb_inv        00000000
0x81581020: disc_vfid_trap_enabled  00000000    0x81581024:
disc_vfid_hdr_chk_fail  00000000
0x81581028: disc_shim_cksum_fail    00000000    0x8158102c:
disc_fed_edit_cmd_err   00000000
0x81581030: disc_ftb_vm_mode        00000000    0x81581034:
disc_ftb_agn_t2_miss    00000000
0x81581038: disc_ecb_reserved       00000000    0x8158103c:
disc_ecb_de_pad_err     00000000
0x81581040: disc_ecb_de_tag_err     00000000    0x81581044:
disc_ecb_de_seq_err     00000000
0x81581048: disc_ecb_err            00000000    0x8158104c:
disc_ftb_type4_match    00000000
0x81581050: disc_fcp_rsp_ftb_type4  00000000    0x81581054:
disc_ftb_type5_match    00000000
0x81581058: disc_ftb_type3_match    00000000    0x8158105c:
disc_els_ftb_type3      00000000
0x81581060: disc_ftb_type1_match    00000000    0x81581064:
disc_els_rsp_ex_port    00000000
0x81581068: disc_inv_drp_dps        00000000    0x8158106c:
disc_did_lookup_miss    00000000
0x81581070: disc_ftb_type2_match    00000000    0x81581074:
disc_trpd_plogi_pdisc   00000000
0x81581078: disc_type2_lookup_miss  00000000    0x8158107c:
disc_ftb_type6_match    00000000
0x81581080: disc_els_rep_ex_port    00000000    0x81581084:
disc_els_sid_lkup_bit1  00000000
0x81581088: disc_els_sid_lkup_bit0  00000000    0x8158108c:
disc_bls_frm_trap_bit1  00000000
0x81581090: disc_ftb_token_err      00000000    0x81581094:
disc_asic_internal_err  00000000
0x81581098: disc_hard_zone_miss     00000000    0x8158109c:
disc_lun_zone_miss      00000000
0x815810a0: disc_flt_frame_disc     00000000    0x815810a4:
disc_flt_parity_err     00000000
0x815810a8: disc_frame_marked_du    00000000    0x815810ac:
```

```
disc_frame_marked_to    00000000
0x815810b0: disc_lkup_rte_prty_err  00000000


portstatsshow 56
stat_wtx                0                   4-byte words transmitted
stat_wrx                0                   4-byte words received
stat_ftx                0                   Frames transmitted
stat_frx                0                   Frames received
stat_c2_frx             0                   Class 2 frames received
stat_c3_frx             0                   Class 3 frames received
stat_lc_rx              0                   Link control frames
received
stat_mc_rx              0                   Multicast frames
received
stat_mc_to              0                   Multicast timeouts
stat_mc_tx              0                   Multicast frames
transmitted
tim_txcrd_z             0                   Time TX Credit Zero
(2.5Us ticks)
tim_txcrd_z_vc  0- 3:  0           0           0           0
tim_txcrd_z_vc  4- 7:  0           0           0           0
tim_txcrd_z_vc  8-11:  0           0           0           0
tim_txcrd_z_vc 12-15:  0           0           0           0
lat_tot_pkt_vc  0- 3:  1           1           1           1
lat_tot_pkt_vc  4- 7:  1           1           1           1
lat_tot_pkt_vc  8-11:  1           1           1           1
lat_tot_pkt_vc 12-15:  1           1           1           1
lat_hi_time_vc  0- 3:  0           0           0           0
lat_hi_time_vc  4- 7:  0           0           0           0
lat_hi_time_vc  8-11:  0           0           0           0
lat_hi_time_vc 12-15:  0           0           0           0
lat_lo_time_vc  0- 3:  1           1           1           1
lat_lo_time_vc  4- 7:  1           1           1           1
lat_lo_time_vc  8-11:  1           1           1           1
lat_lo_time_vc 12-15:  1           1           1           1
max_latency_vc  0- 3:  1           1           1           1
max_latency_vc  4- 7:  1           1           1           1
max_latency_vc  8-11:  1           1           1           1
max_latency_vc 12-15:  1           1           1           1
latency_dma_ts          09-09-2024 UTC Mon 08:47:26            TXQ
Latency DMA TimeStamp
fec_cor_detected        0                   Count of blocks that
were corrected by FEC
fec_uncor_detected      0                   Count of blocks that
were left uncorrected by FEC
er_enc_in               0                   Encoding errors inside
of frames
er_crc                  0                   Frames with CRC errors
er_trunc                0                   Frames shorter than
minimum
er_toolong              0                   Frames longer than
maximum
er_bad_eof              0                   Frames with bad end-of-
```

```
frame
er_enc_out              0                   Encoding error outside
of frames
er_bad_os               0                   Invalid ordered set
er_pcs_blk              0                   PCS block errors
er_rx_c3_timeout        0                   Class 3 receive frames
discarded due to timeout
er_tx_c3_timeout        0                   Class 3 transmit frames
discarded due to timeout
er_unroutable           0                   Frames that are
unroutable
er_unreachable          0                   Frame with unreachable
destination
er_other_discard        0                   Other discards
er_type1_miss           0                   frames with FTB type 1
miss
er_type2_miss           0                   frames with FTB type 2
miss
er_type6_miss           0                   frames with FTB type 6
miss
er_zone_miss            0                   frames with hard zoning
miss
er_lun_zone_miss        0                   frames with LUN zoning
miss
er_crc_good_eof         0                   Crc error with good eof
er_inv_arb              0                   Invalid ARB
er_single_credit_loss   0                   Single vcrdy/frame loss
on link
er_multi_credit_loss    0                   Multiple vcrdy/frame
loss on link
other_credit_loss       0                   Link timeout/complete
credit loss
phy_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
phy_port stats clear
lgc_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
lgc_port stats clear
fec_corrected_rate      0                   FEC Corrected blocks per
second

portstats64show 56
stat64_wtx      0           top_int : 4-byte words transmitted
                0           bottom_int : 4-byte words transmitted
stat64_wrx      0           top_int : 4-byte words received
                0           bottom_int : 4-byte words received
stat64_ftx      0           top_int : Frames transmitted
                0           bottom_int : Frames transmitted
stat64_frx      0           top_int : Frames received
                0           bottom_int : Frames received
stat64_c2_frx   0           top_int : Class 2 frames received
                0           bottom_int : Class 2 frames received
stat64_c3_frx   0           top_int : Class 3 frames received
                0           bottom_int : Class 3 frames received
stat64_lc_rx    0           top_int : Link control frames received
                0           bottom_int : Link control frames
```

```
received
stat64_mc_rx    0           top_int : Multicast frames received
                0           bottom_int : Multicast frames received
stat64_mc_to    0           top_int : Multicast timeouts
                0           bottom_int : Multicast timeouts
stat64_mc_tx    0           top_int : Multicast frames transmitted
                0           bottom_int : Multicast frames
transmitted
tim64_rdy_pri   0           top_int : Time R_RDY high priority
                0           bottom_int : Time R_RDY high priority
tim64_txcrd_z   0           top_int : Time BB_credit zero
                0           bottom_int : Time BB_credit zero
er64_enc_in     0           top_int : Encoding errors inside of
frames
                0           bottom_int : Encoding errors inside of
frames
er64_crc        0           top_int : Frames with CRC errors
                0           bottom_int : Frames with CRC errors
er64_trunc      0           top_int : Frames shorter than minimum
                0           bottom_int : Frames shorter than minimum
er64_toolong    0           top_int : Frames longer than maximum
                0           bottom_int : Frames longer than maximum
er64_bad_eof    0           top_int : Frames with bad end-of-frame
                0           bottom_int : Frames with bad end-of-
frame
er64_enc_out    0           top_int : Encoding error outside of
frames
                0           bottom_int : Encoding error outside of
frames
er64_disc_c3    0           top_int : Class 3 frames discarded
                0           bottom_int : Class 3 frames discarded
er64_pcs_blk    0           top_int : PCS block errors
                0           bottom_int : PCS block errors
stat64_rateTxFrame      0           Tx frame rate (fr/sec)
stat64_rateRxFrame      0           Rx frame rate (fr/sec)
stat64_rateTxPeakFrame  0           Tx peak frame rate (fr/sec)
stat64_rateRxPeakFrame  0           Rx peak frame rate (fr/sec)
stat64_rateTxWord       0           Tx Word rate (words/sec)
stat64_rateRxWord       0           Rx Word rate (words/sec)
stat64_rateTxPeakWord   0           Tx peak Word rate (words/sec)
stat64_rateRxPeakWord   0           Rx peak Word rate (words/sec)
stat64_PRJTFrames       0           top_int : Number of PRJT frames
returned to this port
                        0           bottom_int : Number of PRJT
frames returned to this port
stat64_PBSYFrames       0           top_int : Number of PBSY frames
returned to this port
                        0           bottom_int : Number of PBSY
frames returned to this port
stat64_inputBuffersFull 0           top_int : Number of occurrences
when all input buffers full
                        0           bottom_int : Number of
occurrences when all input buffers full
stat64_rxClass1Frames   0           top_int : Number of class 1
```

```
frames received
                        0           bottom_int : Number of class 1
frames received
stat64_aveTxFrameSize   0           Average Tx Frame size
stat64_aveRxFrameSize   0           Average Rx Frame size
Lr_in           0           top_int
                0           bottom_int
Ols_in          0           top_int
                0           bottom_int
Lr_out          0           top_int
                0           bottom_int
Ols_out         0           top_int
                0           bottom_int
Link_failure    0           top_int
                0           bottom_int
Invalid_CRC     0           top_int
                0           bottom_int
Invalid_word    0           top_int
                0           bottom_int
Protocol_err    0           top_int
                0           bottom_int
Loss_of_sig     0           top_int
                0           bottom_int
Loss_of_sync    0           top_int
                0           bottom_int
er_bad_os       0           top_int : Invalid ordered set
                0           bottom_int: Invalid ordered set


portrouteshow 56
port address ID: 0x013800
external unicast routing table:
   0: Embedded
 255: Embedded
internal unicast routing table:
   0: Embedded

portcamshow 56
-------------------------------------------------
Port  SID used  DID used  SID entries  DID entries
56     0         0         000000       000000
-------------------------------------------------

ptbufshow, ptcreditshow, ptdatashow, ptstatsshow 56
S:
S:VF Enable:            1
S:
S:C4 Global Variable:
S:-------------------------------------------------------------------
---------
S:trace_stop:           0
S:
S:C4 Phy Data Pointers: c4_phyp = 0xb6ab0000
S:-------------------------------------------------------------------
```

```
---------
S:tnodep                        0xbb828c40      pt
        0x43028000
S:proto_phyp            0xb8804900      phy_cfg
0xb6ab1040
S:c4_chp                        0x97e28000      c4_lgcp
0x97f48000
S:c4_phy_regp           0x81c00000      proc_dir
0xb8510c80
S:-----------------------------------------------------------------
---------
S:magic_id              0xc4345678      num_port_timer          12
S:prev_if_id            0x43020000      S:ftx                   0
        tov                     0
S:initialized           0               port_idx                0
S:ui_idx                        56              slot_no
        0
S:blade_idx             0               sw_usr_ports            400
S:unused                        0               intr_debounced
        0
S:aec_status            0x0             reason_code
        0
S:debug                 0x00000004      debug_trc_line          0
S:rxbuf_list_head       0xffffffff      rxbuf_list_tail
0xffffffff
S:isAePort                      0               port_misc_data
                0
S:num_fault1_rx_disc    0               num_fault2_rx_disc      0
S:p_lli_cause0          0               p_sig_regained          0
S:p_sync_regained               0               enc_out
        0x0
S:cached_fps_status     0               cached_sts_status       0
S:cached_er_crc_good_eof        0
S:cached_er_bad_os      0               cached_er_too_long      0
S:cached_er_trunc       0
cached_tot_er_crc_good_eof      0
S:num_pt_excess_intr    0               num_no_fid              0
S:num_fault1_cnt                0               num_fault2_cnt
        0
S:num_fault_lip         0               num_fault_lli           0
S:num_fault_rx_fifo     0               num_fault_hss           0
S:num_fault_bwait               0               lli_intr_prim
        0
S:num_sw_link_to                0
be_link_err_mon_count           0
S:ecb_enc_enabled               0               ecb_comp_enabled
                0
S:ecb_rsv_enc           0               ecb_rsv_comp            0
S:ecb_enc_bm            0x0             ecb_key_index
0xffffffff
S:fab_idx               4
S:num_be_lto            0               lto_count_reset_intvl
        0
S:lr_count_reset_intvl          0               num_be_lr
```

```
        0
S:num_fault_qsfp                0               check_lto
        0
S:credit_loaded         0               num_credit_overrun
        0
S:fec_enabled           0x0             fec_los_to_flag         0x0
S:phy_stats_clear_ts            1725611419      pcs_err_online
        0
S:pcs_err_light_det             0               pcs_err_ignore
        0
S:pcs_blk_err           0               pcs_hiber               0
S:phy_port_status               0               ecb_enc_lr_count
                0
S:dport_mode            0               avoid_lto_det           0
S:sn_debounced          0x0             sn_started_kr_reqd      0
S:major_timer_started   0x0             ready_bm                0x0
S:parln_1_bm            0x0             parln_0_bm              0x0
S:be_los_of_sync_event_intvl            0
be_los_of_sync_event            0
S:erratePtenable_cntr           0               errataPoll_cntr
        0
S:jda_rx_sig_loss_det           0               jda_rx_sig_loss_cnt
                0
S:encrypt_blk_error             0
S:
S:      c4_trunk
S:=====================================
S:mark_ts               0x0             deskew                  0x0
S:master_phyp           0x0
S:
S:adelay[00]: 0x00000000 0x00000000 0x00000000 0x00000000
S:adelay[04]: 0x00000000 0x00000000 0x00000000 0x00000000
S:
S:      c4_buf
S:=====================================
S:tx_csc                        0               rx_csc
        0
S:ld_vc_credits         0               tx_flag                 0x0
S:alloc_buffers         0               req_buffers             0
S:est_buffers           20              ld_use_est              0
S:bb_sc_n                       0               rx_bb_sc_n
        0
S:data_cr                       5               nondata_cr
        6
S:cr_enable             0
S:ld_nondata_cr         6               tnodep
0xbb828d20
S:tx_credits[0] 0    0    0    0    0    0    0    0
S:tx_credits[8] 0    0    0    0    0    0    0    0
S:tx_credits[16]        0    0    0    0    0    0    0    0
S:tx_credits[24]        0    0    0    0    0    0    0    0
S:tx_credits[32]        0    0    0    0    0    0    0    0
S:rx_credits[0] 0    0    0    0    0    0    0    0
S:rx_credits[8] 0    0    0    0    0    0    0    0
```

```
S:rx_credits[16]        0    0    0    0    0    0    0    0
S:rx_credits[24]        0    0    0    0    0    0    0    0
S:rx_credits[32]        0    0    0    0    0    0    0    0
S:tx_mbc[0]     0    0    0    0    0    0    0    0
S:tx_mbc[8]     0    0    0    0    0    0    0    0
S:tx_mbc[16]    0    0    0    0    0    0    0    0
S:tx_mbc[24]    0    0    0    0    0    0    0    0
S:tx_mbc[32]    0    0    0    0    0    0    0    0
S:rx_mbc[0]     0    0    0    0    0    0    0    0
S:rx_mbc[8]     0    0    0    0    0    0    0    0
S:rx_mbc[16]    0    0    0    0    0    0    0    0
S:rx_mbc[24]    0    0    0    0    0    0    0    0
S:rx_mbc[32]    0    0    0    0    0    0    0    0
S:
S:C4 Chip Variables: c4_phyp->c4_chp = 0x97e28000
S:-----------------------------------------------------------------
---------
S:version = 2.1
S:magic_id              0xc4234567      init_state              0x8
S:reset_reg_mem         0x1
S:ch_int0_en_bm         0x0             intr0_cause             0x0
S:ch_int1_en_bm         0x0             intr1_cause             0x0
S:ch_int2_en_bm         0x0             intr2_cause             0x0
S:ch                    0x43010080      ch_cfg
0xb7013ba0
S:raslog_hndl.hndl      0x0             obj_halted              0x0
S:c4_chip_regp          0x80000000      c4_fpg_regp
0x81800000
S:num_chip_timer        0x5
S:hi_task_bm            0x0             lo_task_bm              0x0
S:c4_deferq.q_head      0x0             c4_deferq.q_tail        0x0
S:c4_tmrq.q_head        0x0             c4_tmrq.q_tail          0x0
slot_no                 0
S:chip_inst             0               chip_idx                0
S:pll_initialized               1
pll_serdes_initialized  1
S:init_tries            0               init_ptEnableBM
0xba01b488
S:tick_polling          0xb980c9c0      sec_polling
0xb980c960
S:bb_fid                        129
S:ecb_key_bm[0]         0x0             ecb_key_bm[1]           0x0
S:ecb_key_bm[2]         0x0             ecb_key_bm[3]           0x0
S:is_chip_enc_enabled                   0
is_chip_comp_enabled    0x0
S:ftb_rsrcp->ftb_flags  0x0             act_rsrcp->act_flag     0x1
S:lue_rsrcp->lue_flags[0]       0x0             lue_rsrcp-
>lue_flags[1]   0x0
S:c4_phyp[00]: 0xb6ab0000 0xb6ab2080 0xb6ab4100 0xb6ab6180
S:c4_phyp[04]: 0xb6ab9040 0xb6abb0c0 0xb6abd140 0xb6ac0000
S:c4_phyp[08]: 0xb6ac2080 0xb6ac4100 0xb6ac6180 0xb6ac9040
S:c4_phyp[12]: 0xb6acb0c0 0xb6acd140 0xb6ad0000 0xb6ad2080
S:c4_phyp[16]: 0xb6ad4100 0xb6ad6180 0xb6ad9040 0xb6adb0c0
S:c4_phyp[20]: 0xb6add140 0xb6ae0000 0xb6ae2080 0xb6ae4100
```

```
S:c4_phyp[24]: 0xb6ae6180 0xb6ae9040 0xb6aeb0c0 0xb6aed140
S:c4_phyp[28]: 0xb6af0000 0xb6af2080 0xb6af4100 0xb6af6180
S:c4_phyp[32]: 0xb6af9040 0xb6afb0c0 0xb6afd140 0xb6b00000
S:c4_phyp[36]: 0xb6b02080 0xb6b04100 0xb6b06180 0xb6b09040
S:c4_phyp[40]: 0xb6b0b0c0 0xb6b0d140 0xb6b10000 0xb6b12080
S:c4_phyp[44]: 0xb6b14100 0xb6b16180 0xb6b19040 0xb6b1b0c0
S:c4_phyp[48]: 0xb6b1d140 0xb6b20000 0xb6b22080 0xb6b24100
S:c4_phyp[52]: 0xb6b26180 0xb6b29040 0xb6b2b0c0 0xb6b2d140
S:c4_phyp[56]: 0xb6b30000 0xb6b32080 0xb6b34100 0xb6b36180
S:c4_phyp[60]: 0xb6b39040 0xb6b3b0c0 0xb6b3d140 0xb6b40000
S:c4_lgcp[00]: 0x97f48000 0x97f4c000 0x97f50000 0x97f54000
S:c4_lgcp[04]: 0x97f58000 0x97f5c000 0x97f60000 0x97f64000
S:c4_lgcp[08]: 0x97f68000 0x97f6c000 0x97f70000 0x97f74000
S:c4_lgcp[12]: 0x97f78000 0x97f7c000 0x97f80000 0x97f84000
S:c4_lgcp[16]: 0x97f88000 0x97f8c000 0x97f90000 0x97f94000
S:c4_lgcp[20]: 0x97f98000 0x97f9c000 0x97fa0000 0x97fa4000
S:c4_lgcp[24]: 0x97fa8000 0x97fac000 0x97fb0000 0x97fb4000
S:c4_lgcp[28]: 0x97fb8000 0x97fbc000 0x97fc0000 0x97fc4000
S:c4_lgcp[32]: 0x97fc8000 0x97fcc000 0x97fd0000 0x97fd4000
S:c4_lgcp[36]: 0x97fd8000 0x97fdc000 0x97fe0000 0x97fe4000
S:c4_lgcp[40]: 0x97fe8000 0x97fec000 0x97ff0000 0x97ff4000
S:c4_lgcp[44]: 0x97ff8000 0x97ffc000 0x8e000000 0x8e004000
S:c4_lgcp[48]: 0x8e008000 0x8e00c000 0x8e010000 0x8e014000
S:c4_lgcp[52]: 0x8e018000 0x8e01c000 0x8e020000 0x8e024000
S:c4_lgcp[56]: 0x8e028000 0x8e02c000 0x8e030000 0x8e034000
S:c4_lgcp[60]: 0x8e038000 0x8e03c000 0x8e040000 0x8e044000
S:chip_timers[00]: 0xb980c720 0xb980c780 0xb980c7e0 0xb980c840
S:chip_timers[04]: 0xb980c8a0 0xb980c900
S:disc_trap_enable_required     0x0             rxlp_disc_log_stop
        0x0
S:curr_rxlp_frm_cnt     0x0             curr_rxlp_disc_frm_cnt  0x0
S:sw_disc_frm_cnt       0x0             last_disc_frm_cnt       0x0
S:txq_nopop_pr_cnt      0x0             pollErrataDfe_ptBM
0xba01b4b0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][0]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][1]  0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][2]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][0] 0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][1]       0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][2] 0x0
S:
S:C4 Logical Port Variables
S:-------------------------------------------------------------------
---------
S:c4_lgc_regp           0x81c00000
S:c4_phyp:
S:      0xb6ab0000      0x0             0x0             0x0

S:      0x0             0x0             0x0             0x0

S:master_phyp           0xb6ab0000      if_id
0x43020000
S:min_phyp              0x0             max_phyp                0x0
S:num_phy_ports         1               lgc_num                 0
```

```
S:num_iu_to             0               sw_txq_bm
        0
S:port_fid              129             unused                  0
S:port_group            0               lgc_stats_clear_ts
               1725611419
S:domain_tbl_sel                0               area_tbl_sel
        0
S:egid_tbl_sel          0
S:serv_lo_bm            0x0
S:
S:Proto Phy Variables:
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4123456      asic_phyp
0xb6ab0000
S:port_id                       0x43028000      phy_cfg
        0xb6ab1040
S:upsm_hdl              0xb800ddc0      physm_hdl
0xb800db40
S:ov_snsm_hdl           0xb800da00      sw_snsm_hdl
0xb800daa0
S:ov_lksm_hdl           0xb800dbe0      sw_lksm_hdl
0xb800dc80
S:trksm_hdl             0xb800dd20      lr_flag         0x0
S:lr_active             0x0             qsfp_txrx_rate_sel
        0x0
S:
S:UPSM      UP00: UPST_PORT_DISABLED    --> UP00: UPST_PORT_DISABLED
S:SNSM(OV)  SN00: OV_SNST_STOPPED       --> SN00: OV_SNST_STOPPED
S:SNSM(SW)  SW00: SW_SNST_STAGE_WS      --> SW00: SW_SNST_STAGE_WS
S:PHYSM     PP00: PHYST_STOPPED         --> PP00: PHYST_STOPPED
S:LKSM(OV)  LK00: OV_LKST_INACTIVE      --> LK00: OV_LKST_INACTIVE
S:LKSM(SW)  SW13: INACTIVE              --> SW13: INACTIVE
S:TRKSM     TRK0: TRKST_INIT            --> TRK0: TRKST_INIT
S:
S:physm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8804900      physm_hdl
0xb800db40
S:force_offline         0               copper                  0
S:fault_reason          0: UNKNOWN
S:phy_media_present             0
S:
S:snsm variables:
S:-------------------------------------------------------------------
---------
S:speed                 0xff            proto_phyp
0xb8804900
S:hw_sn_tries_left      0x0             sw_sn_tries_left        0x0
S:curr_txsp_count               0x0
S:tx_max                        0x0             curr_tx_indx
        0x0
S:curr_tx                       0x0             curr_rxsp_count
```

```
        0x0
S:rx_max                        0x0             curr_rx_indx
        0x0
S:curr_rx                       0x0             rx_mem
        0x0
S:rxsp_rec_count                0x0
S:nc_start              0x0             tx_start                0x0
S:sync_start            0x0             sync_present            0x0
S:diag_auto             0x0             diag_speed              0xff
S:striped_wd_tov                3000            hw_wd_tov
        3000
S:step                  0x0             qsfp28_speed_mode
        0x0
S:qsfp_mode0_hw_sn_tries_left           0x0
S:qsfp_mode1_hw_sn_tries_left           0x0
S:
S:lksm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8804900      ov_lksm_hdl
0xb800dbe0
sw_lksm_hdl             0xb800dc80
num_lf1                 0
S:hw_link_tries_left    0               sw_link_tries_left      0
S:buf_ptype             0x0             stored_entry_state      0x6
S:handshake_owner               0x0             mark_unsent
        0x0
S:busybuf_stuck         0x0             lr_wait                 0x0
S:
S:trksm variables:
S:-------------------------------------------------------------------
---------
S:Not a trunk port
S:
S:upsm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8804900      upsm_hdl
0xb800ddc0
S:bb_credits            0               port_beacon             0
S:port_diag_flag                0               force_offline
        0
S:port_fault_rsn                0: PORT_NO_FAULT
S:retry_init_rsn                0: UNKNOWN
S:linit_reason          0               linit_result            0
S:ie_fctl_mode          0               fec_in_sync_tries_left  0
S:retry_sn_fail_init    0
retry_link_fail_init    0
S:excess_lr_count       0
S:
S:c4_ch_cfg
S:-------------------------------------------------------------------
---------
S:c4_desc_ring_size     256      292      256      256      292
```

```
292      2        292      292
S:thresh_def            0        16       1        0
S:intr_tries            500             cmem_pattern
0xdeadbeef
S:cmem_pattern_upwd     2               cmem_init_time          16
S:cmem_init_tries               5
S:ctrl_par_thresh               2               data_par_thresh
        4
S:cam_par_thresh                4               buf_loss_thresh
        12
S:crit_par_thresh               2               non_crit_par_thresh
        6
S:pci_abort_thresh      10              pci_err_thresh          5
S:excess_chintr_thresh  8               sw_err_thresh           20
S:err_sample_period     300             intr_sleep
20000
S:frame_timeout 2500            proxy_dev               16384
S:vf_route      81920           qos             2048
S:stats 2048            f_redirect              2048
S:rsp_trap      2048            lun_zoning              20480
S:area_mode     0               ftb_max_loop[0]         0
S:ftb_max_loop[1]       6               ftb_max_loop[2]         9
S:ftb_max_loop[3]       10              ftb_max_loop[4]         10
S:ftb_max_loop[5]       5               ftb_max_loop[6]         6
S:ftb_seg_size[0]       0               ftb_seg_size[1]
16384
S:ftb_seg_size[2]       65536           ftb_seg_size[3]
16384
S:ftb_seg_size[4]       16384           ftb_seg_size[5]
65536
S:ftb_seg_size[6]       16384           ftb_seg_base[0]         0
S:ftb_seg_base[1]       0               ftb_seg_base[2]
65536
S:ftb_seg_base[3]       16384           ftb_seg_base[4]
32768
S:ftb_seg_base[5]       131072          ftb_seg_base[6]
49152
asic_err_monitor_period1                300
asic_err_monitor_period2                86400
zone_chk_to_poll_period 25
zone_chk_class2_reject_tov              220
S:
S:c4_phy_cfg
S:-------------------------------------------------------------------
---------
S:version = 2.1
S:pt                    0x43028000      fab_ptr
0x9a800000
S:fabattr                       0x9a8000d4      fab_iop
        0x9a800050
S:cfgbm                 0xbb828a84      port_ctrl
0xb6ab1058
S:pcap.pcap_bm          0x8d215547      pcap.pcap2_bm
0x2588289
```

```
S:pcap.pcap3_bm         0x1bebe0c
ui_idx                  56              S:slot_no
        0
is_icl                  0               S:sw_usr_ports          400
S:neg_speed             0 0 0 0 0 0
S:my_domain             0x1             port_mode               0x0
S:hw_sn_maxtries                100             sw_sn_maxtries
        0
S:hw_link_maxtries      10              sw_link_maxtries        5
S:rx_cyc_tov            28              rttov                   300
S:bufrdy_tov            300             busybuf_tov             286
S:mark_tov              300             lksm_tov                3000
S:buf_dealloc_wait      4               hw_wd_tov               3000
S:hw_lk_train_tov               540             hw_lk_test_tov
        150
S:syswait_tx_12_lips    1               lip_rx_tov              55
S:al_time_tov           15              lp_tov                  2000
S:intr_tries_port               500             intr_mod_debounce
        250
S:intr_lsr_flt_debounce 500             intr_efifo_debounce     100
S:port_no_fid           3               excess_ptintr_thresh    8
S:port_fault1_thresh    100             port_fault1_spur_thresh 250
S:port_fault1_disc_thresh       500
port_fault1_disc_spur_thresh    1000
S:port_fault2_thresh    5               losync_tov              100
S:port_sw_link_to               15              en_8g_scramble
        1
frc_hw_sn_mode          0x1
S:enc_poll_thresh               0               fec_enable
        0
S:fec_in_sync_to                50              fec_in_sync_try_max
        4
S:port_be_lto_threshold         100             port_be_lr_threshold
                2
S:be_cr_in_sync_to              5
port_credit_overrun_thresh              10
S:jda_sfp_losig_tov             400
jda_sfp_losig_try_max           30
S:striped_wd_tov                3000
no_sync_debounce                1200
S:
S:      fab_iop
S:======================================
S:fab_iop->interop_mode 0x0             fab_iop->lab_mode       0x0
S:fab_iop->fl_bbc               0x0             fab_iop->fl_fan
        0x0
S:fab_iop->fl_cls               0x4             fab_iop->fl_rscn
        0x0
S:fab_iop->domain_id_offset     0x60            fab_iop-
>mcdt_fabric_mode       0x0
S:fab_iop->mcdt_default_zone            0x0             fab_iop-
>mcdt_safe_zone         0x0
S:
S:      port_ctrl
```

```
S:=======================================
S:port_ctrl.port_type   1               port_ctrl.port_grp      0
S:port_ctrl.port_number 56              port_ctrl.vc_mode       1
S:
S:      port_ctrl.lcap
S:=======================================
S:has_serdes            0               has_media               1
S:topology              1               skip_nego               0
S:skip_pnego            0               skip_init_event         0
S:en_shim                       0               speed_neg
        1
S:loop_back             0               num_speeds              5
S:fec_enable            0
S:
S:      port_ctrl.speed_list array
S:=======================================
S:speed_list[0].auto_neg  1     speed_list[0].lnk_speed  0x0000000a
S:speed_list[1].auto_neg  1     speed_list[1].lnk_speed  0x00000008
S:speed_list[2].auto_neg  1     speed_list[2].lnk_speed  0x00000006
S:speed_list[3].auto_neg  1     speed_list[3].lnk_speed  0x00000005
S:speed_list[4].auto_neg  1     speed_list[4].lnk_speed  0x00000003
S:speed_list[5].auto_neg  0     speed_list[5].lnk_speed  0x00000000
S:
S:      port_ctrl.cm
S:=======================================
S:port_ctrl.cm.num_vcs          8
S:port_ctrl.cm.min_bufs         8
S:port_ctrl.cm.cr_shar_bufs     0
S:port_ctrl.vc_alloc
S:port_ctrl.vc_alloc            2 0 1 1 1 1 1 1
S:port_ctrl.vc_alloc            0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.norm_vc_alloc
S:port_ctrl.norm_vc_alloc       4 0 5 5 5 5 1 1
S:port_ctrl.norm_vc_alloc       0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.cm.skip_bb_credit           0
S:port_ctrl.cm.use_shim_based_sublist           0
S:
S:      port_ctrl.serdes_set
S:=======================================
S:serdes_type           0x8
S:serdes_data_t.ibm_hss_serdes.tx_drive_power           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b_sign      0x1
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_a           0x0
S:serdes_data_t.ibm_hss_serdes.rxeq                     0x0
S:
S:      cfgbm
S:=======================================
S:old_distance          0x0             gport_lockdown          0x0
S:tport                 0x1             speed                   0x0
S:disable_eport         0x0             fcacc                   0x0
S:lport_lockdown                0x0             priv_lport_lockdown
```

```
        0x0
S:vcxlt_linit           0x0             delay_flogi             0x0
S:isl_interop           0x0             distance                0x0
S:BufStarvFlag          0x0             credit_sharing          0x0
S:lport_halfduplex      0x0             lport_fairness          0x0
S:soft_neg              0x0             asn_frc_hwretry         0x0
S:cr_recov              0x0             fport_buffers           0x0
S:export                        0x0             export_mode
        0x0
S:csctl_en              0x0             mirror_port             0x0
S:fault_delay           0x0             non_dfe                 0x0
S:fec_configured*(0=ENAB)       0               fec_tts
        0
S:port_persistently_disabled (permanently) 0 (0)
S:
S:      cfg property
S:======================================
S:priv_pcfg_bm          0x00000000      lgcl_pcfg_bm
0xbb828ac4
S:fport_buffer          0x00000000
S:
S:
S:C4 Discard Cntrs: rxlp_stats = 0xb6ab03b0
S:-------------------------------------------------------------------
---------
S:disc_mcast_wka        0x0             disc_inv_did            0x0
S:disc_cl1_cl4          0x0             disc_sid_chk_fail       0x0
S:disc_inv_dom_egid_txpt        0x0             disc_vft_hop_cnt_1
        0x0
S:disc_classf           0x0             disc_fcp_cdb_inv        0x0
S:disc_vfid_trap_enabled        0x0
disc_vfid_hdr_chk_fail  0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_ftb_vm_mode      0x0             disc_ftb_agn_t2_miss    0x0
S:disc_ecb_de_pad_err   0x0             disc_ecb_de_tag_err     0x0
S:disc_ecb_de_seq_err   0x0             disc_ecb_err            0x0
S:disc_ftb_type4_match  0x0             disc_fcp_rsp_ftb_type4  0x0
S:disc_fcp_rsp_ftb_type4        0x0             disc_ftb_type5_match
        0x0
S:disc_ftb_type3_match  0x0             disc_els_ftb_type3      0x0
S:disc_ftb_type1_match  0x0             disc_els_rsp_ex_port    0x0
S:disc_inv_drp_dps      0x0             disc_did_lookup_miss    0x0
S:disc_ftb_type2_match  0x0             disc_trpd_plogi_pdisc   0x0
S:disc_type2_lookup_miss        0x0             disc_ftb_type6_match
        0x0
S:disc_els_rep_ex_port  0x0             disc_els_sid_lkup_bit1  0x0
S:disc_els_sid_lkup_bit0        0x0
disc_bls_frm_trap_bit1  0x0
S:disc_ftb_token_err    0x0             disc_asic_internal_err  0x0
S:disc_hard_zone_miss   0x0             disc_lun_zone_miss      0x0
S:disc_flt_frame_disc   0x0             disc_flt_parity_err     0x0
S:disc_frame_marked_du  0x0             disc_frame_marked_to    0x0
E:Connection type: FE
```

```
E:Port type: E_port
E:Trunk port: No
E:Configured Speed: AUTO_SPEED_NEGO
E:Max Capable Speed: 32G
E:Current SNSM Speed: UNDEFINED
E:Hardware TX Speed: 32G (0x00000004)
E:Hardware RX Speed: 32G (0x00000040)
E:
E:Interrupts:   0           Link_failure:       0
Loss_of_sync:   0           Loss_of_sig:        0
E:Lli:          0           Invalid_word:       0
E:trapped_frm:  0           fwd_status_ok:      0
E:fwd_timeout:  0           fwd_tx_unavail:     0
E:fwd_unroutable:       0           fwd_zone_out:       0
E:fwd_other_err:        0           frm_err_discard:    0
E:Fltr listA:   0           Fltr listB:         0
E:Zone trap fwd:        0           Zone trap disc:     0
E:shim_csum:    0           RTE_perr:           0
E:Invalid_crc:  0           Delim_err:          0
E:Protocol_err: 0
E:Lr_in:        0           Lr_out:             0
E:Ols_in:       0           Ols_out:            0


filterportshow 56

                FILTER DATA
                -----------
Shadow settings:
   Filter Enable: 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
```

```
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass: 0x00000000
Real settings:
   Enable RAM: 0x00000000, 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass RAM: 0x00000000

Shadowed filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        c4_fldenable[0] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[0] = 0x00000000,c4_fltr_config[0] = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        c4_fldenable[1] = 0x00000000 0x00000000 0x00000000
0x00000000
```

```
        c4_fldnegate[1] = 0x00000000,c4_fltr_config[1] = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        c4_fldenable[2] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[2] = 0x00000000,c4_fltr_config[2] = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        c4_fldenable[3] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[3] = 0x00000000,c4_fltr_config[3] = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        c4_fldenable[4] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[4] = 0x00000000,c4_fltr_config[4] = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        c4_fldenable[5] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[5] = 0x00000000,c4_fltr_config[5] = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        c4_fldenable[6] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[6] = 0x00000000,c4_fltr_config[6] = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        c4_fldenable[7] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[7] = 0x00000000,c4_fltr_config[7] = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        c4_fldenable[8] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[8] = 0x00000000,c4_fltr_config[8] = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        c4_fldenable[9] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[9] = 0x00000000,c4_fltr_config[9] = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        c4_fldenable[10] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[10] = 0x00000000,c4_fltr_config[10] =
0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        c4_fldenable[11] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[11] = 0x00000000,c4_fltr_config[11] =
0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        c4_fldenable[12] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[12] = 0x00000000,c4_fltr_config[12] =
0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        c4_fldenable[13] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[13] = 0x00000000,c4_fltr_config[13] =
0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
```

```
        c4_fldenable[14] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[14] = 0x00000000,c4_fltr_config[14] =
0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        c4_fldenable[15] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[15] = 0x00000000,c4_fltr_config[15] =
0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        c4_fldenable[16] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[16] = 0x00000000,c4_fltr_config[16] =
0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        c4_fldenable[17] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[17] = 0x00000000,c4_fltr_config[17] =
0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        c4_fldenable[18] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[18] = 0x00000000,c4_fltr_config[18] =
0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        c4_fldenable[19] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[19] = 0x00000000,c4_fltr_config[19] =
0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        c4_fldenable[20] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[20] = 0x00000000,c4_fltr_config[20] =
0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        c4_fldenable[21] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[21] = 0x00000000,c4_fltr_config[21] =
0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        c4_fldenable[22] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[22] = 0x00000000,c4_fltr_config[22] =
0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        c4_fldenable[23] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[23] = 0x00000000,c4_fltr_config[23] =
0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        c4_fldenable[24] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[24] = 0x00000000,c4_fltr_config[24] =
0x00000000
```

```
Filter 25: Not Installed (PERF10)(LISTA)
        c4_fldenable[25] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[25] = 0x00000000,c4_fltr_config[25] =
0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        c4_fldenable[26] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[26] = 0x00000000,c4_fltr_config[26] =
0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        c4_fldenable[27] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[27] = 0x00000000,c4_fltr_config[27] =
0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        c4_fldenable[28] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[28] = 0x00000000,c4_fltr_config[28] =
0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        c4_fldenable[29] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[29] = 0x00000000,c4_fltr_config[29] =
0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        c4_fldenable[30] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[30] = 0x00000000,c4_fltr_config[30] =
0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        c4_fldenable[31] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[31] = 0x00000000,c4_fltr_config[31] =
0x00000000


Real filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
```

```
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
```

```
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
```

```
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000

Filter dirty indicator: 0x00000000
Performance filters: 0
Port Mirror filters: 0 (0x0)


               FIELD DATA
               ----------

Shadowed fields:

fldoffset[0] = 0x00,fldmask[0] = 0x00,fldvalue_dyna[0]:0x00 0x00
0x00 0x00
fldcontrol[0].inuse = 0x0  fldcontrol[0].refcnt = 0x00 0x00 0x00
0x00
fldoffset[1] = 0x00,fldmask[1] = 0x00,fldvalue_dyna[1]:0x00 0x00
0x00 0x00
fldcontrol[1].inuse = 0x0  fldcontrol[1].refcnt = 0x00 0x00 0x00
0x00
fldoffset[2] = 0x00,fldmask[2] = 0x00,fldvalue_dyna[2]:0x00 0x00
0x00 0x00
fldcontrol[2].inuse = 0x0  fldcontrol[2].refcnt = 0x00 0x00 0x00
0x00
fldoffset[3] = 0x00,fldmask[3] = 0x00,fldvalue_dyna[3]:0x00 0x00
0x00 0x00
fldcontrol[3].inuse = 0x0  fldcontrol[3].refcnt = 0x00 0x00 0x00
0x00
fldoffset[4] = 0x00,fldmask[4] = 0x00,fldvalue_dyna[4]:0x00 0x00
0x00 0x00
fldcontrol[4].inuse = 0x0  fldcontrol[4].refcnt = 0x00 0x00 0x00
0x00
fldoffset[5] = 0x00,fldmask[5] = 0x00,fldvalue_dyna[5]:0x00 0x00
0x00 0x00
fldcontrol[5].inuse = 0x0  fldcontrol[5].refcnt = 0x00 0x00 0x00
0x00
fldoffset[6] = 0x00,fldmask[6] = 0x00,fldvalue_dyna[6]:0x00 0x00
0x00 0x00
fldcontrol[6].inuse = 0x0  fldcontrol[6].refcnt = 0x00 0x00 0x00
0x00
fldoffset[7] = 0x00,fldmask[7] = 0x00,fldvalue_dyna[7]:0x00 0x00
0x00 0x00
fldcontrol[7].inuse = 0x0  fldcontrol[7].refcnt = 0x00 0x00 0x00
0x00
fldoffset[8] = 0x00,fldmask[8] = 0x00,fldvalue_dyna[8]:0x00 0x00
0x00 0x00
fldcontrol[8].inuse = 0x0  fldcontrol[8].refcnt = 0x00 0x00 0x00
0x00
fldoffset[9] = 0x00,fldmask[9] = 0x00,fldvalue_dyna[9]:0x00 0x00
0x00 0x00
```

```
fldcontrol[9].inuse = 0x0  fldcontrol[9].refcnt = 0x00 0x00 0x00
0x00
fldoffset[10] = 0x00,fldmask[10] = 0x00,fldvalue_dyna[10]:0x00 0x00
0x00 0x00
fldcontrol[10].inuse = 0x0  fldcontrol[10].refcnt = 0x00 0x00 0x00
0x00
fldoffset[11] = 0x00,fldmask[11] = 0x00,fldvalue_dyna[11]:0x00 0x00
0x00 0x00
fldcontrol[11].inuse = 0x0  fldcontrol[11].refcnt = 0x00 0x00 0x00
0x00
fldoffset[12] = 0x00,fldmask[12] = 0x00,fldvalue_dyna[12]:0x00 0x00
0x00 0x00
fldcontrol[12].inuse = 0x0  fldcontrol[12].refcnt = 0x00 0x00 0x00
0x00
fldoffset[13] = 0x00,fldmask[13] = 0x00,fldvalue_dyna[13]:0x00 0x00
0x00 0x00
fldcontrol[13].inuse = 0x0  fldcontrol[13].refcnt = 0x00 0x00 0x00
0x00
fldoffset[14] = 0x00,fldmask[14] = 0x00,fldvalue_dyna[14]:0x00 0x00
0x00 0x00
fldcontrol[14].inuse = 0x0  fldcontrol[14].refcnt = 0x00 0x00 0x00
0x00
fldoffset[15] = 0x00,fldmask[15] = 0x00,fldvalue_dyna[15]:0x00 0x00
0x00 0x00
fldcontrol[15].inuse = 0x0  fldcontrol[15].refcnt = 0x00 0x00 0x00
0x00
fldoffset[16] = 0x00,fldmask[16] = 0x00,fldvalue_dyna[16]:0x00 0x00
0x00 0x00
fldcontrol[16].inuse = 0x0  fldcontrol[16].refcnt = 0x00 0x00 0x00
0x00
fldoffset[17] = 0x00,fldmask[17] = 0x00,fldvalue_dyna[17]:0x00 0x00
0x00 0x00
fldcontrol[17].inuse = 0x0  fldcontrol[17].refcnt = 0x00 0x00 0x00
0x00
fldoffset[18] = 0x00,fldmask[18] = 0x00,fldvalue_dyna[18]:0x00 0x00
0x00 0x00
fldcontrol[18].inuse = 0x0  fldcontrol[18].refcnt = 0x00 0x00 0x00
0x00
fldoffset[19] = 0x00,fldmask[19] = 0x00,fldvalue_dyna[19]:0x00 0x00
0x00 0x00
fldcontrol[19].inuse = 0x0  fldcontrol[19].refcnt = 0x00 0x00 0x00
0x00

Real fields:

fldoffset RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fldmask RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fld value4 RAM:
0x00000000
0x00000000
0x00000000
0x00000000
```

```
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
Field dirty indicator: 0x00000000

FDB reference count fdb: 0 [0 0 0 0 ]
FDB reference count fdb: 1 [0 0 0 0 ]
FDB reference count fdb: 2 [0 0 0 0 ]
FDB reference count fdb: 3 [0 0 0 0 ]
FDB reference count fdb: 4 [0 0 0 0 ]
FDB reference count fdb: 5 [0 0 0 0 ]
FDB reference count fdb: 6 [0 0 0 0 ]
FDB reference count fdb: 7 [0 0 0 0 ]
FDB reference count fdb: 8 [0 0 0 0 ]
FDB reference count fdb: 9 [0 0 0 0 ]
FDB reference count fdb: 10 [0 0 0 0 ]
FDB reference count fdb: 11 [0 0 0 0 ]
FDB reference count fdb: 12 [0 0 0 0 ]
FDB reference count fdb: 13 [0 0 0 0 ]
FDB reference count fdb: 14 [0 0 0 0 ]
FDB reference count fdb: 15 [0 0 0 0 ]
FDB reference count fdb: 16 [0 0 0 0 ]
FDB reference count fdb: 17 [0 0 0 0 ]
FDB reference count fdb: 18 [0 0 0 0 ]
FDB reference count fdb: 19 [0 0 0 0 ]

Filter counters:
   Filter counter 0: 0  (MIRROR1)
   Filter counter 1: 0  (MIRROR2)
   Filter counter 2: 0  (MIRROR3)
   Filter counter 3: 0  (MIRROR4)
   Filter counter 4: 0  (AEPORT_NON_MIRR_DROP)
   Filter counter 5: 0  (ZONING TRAP)
   Filter counter 6: 0  (FCR_EXPORT_DC)
   Filter counter 7: 0  (TIN TRAP)
   Filter counter 8: 0  (FICON CUP)
   Filter counter 9: 0  (FICON CUP DST)
   Filter counter 10: 0 (WELL KNOWN ADDR)
   Filter counter 11: 0 (SIM)
   Filter counter 12: 0 (UNUSED)
   Filter counter 13: 0 (UNUSED)
```

```
   Filter counter 14: 0 (UNUSED)
   Filter counter 15: 0 (UNUSED)
   Filter counter 16: 0 (PERF1)
   Filter counter 17: 0 (PERF2)
   Filter counter 18: 0 (PERF3)
   Filter counter 19: 0 (PERF4)
   Filter counter 20: 0 (PERF5)
   Filter counter 21: 0 (PERF6)
   Filter counter 22: 0 (PERF7)
   Filter counter 23: 0 (PERF8)
   Filter counter 24: 0 (PERF9)
   Filter counter 25: 0 (PERF10)
   Filter counter 26: 0 (PERF11)
   Filter counter 27: 0 (PERF12)
   Filter counter 28: 0 (OPM1)
   Filter counter 29: 0 (OPM2)
   Filter counter 30: 0 (IPM1)
   Filter counter 31: 0 (IPM2)

                ACL DATA
                --------
Logical port 0: Hard Zoning disabled, Soft Zoning disabled
Zone type: WWN Zoning
Frames with hard zone miss: 0

##### ACL Hash table #####
                Hash index :0x74
        Flow index 0x30: SID :0x 10a00 DID :0x 40b00 VF_ID :0x 80
RX_PORT :0x32
                Hash index :0x540
        Flow index 0x97: SID :0x 10a00 DID :0x 40900 VF_ID :0x 80
RX_PORT :0x32
                Hash index :0xa18
        Flow index 0x2c: SID :0x 10a00 DID :0x 40f00 VF_ID :0x 80
RX_PORT :0x32
                Hash index :0xf2c
        Flow index 0x2e: SID :0x 10a00 DID :0x 40d00 VF_ID :0x 80
RX_PORT :0x32
                Hash index :0x1700
        Flow index 0x42: SID :0x 10600 DID :0x 10600 VF_ID :0x 80
RX_PORT :0x3b
                Hash index :0x242c
        Flow index 0x91: SID :0x 11500 DID :0x 10c00 VF_ID :0x 80
RX_PORT :0x2c
                Hash index :0x2b74
        Flow index 0x87: SID :0x 11500 DID :0x 10a00 VF_ID :0x 80
RX_PORT :0x2c
                Hash index :0x49a0
        Flow index 0x9b: SID :0x 11600 DID :0x 10b00 VF_ID :0x 80
RX_PORT :0x2b
                Hash index :0x5188
        Flow index 0x84: SID :0x 10b00 DID :0x 10a00 VF_ID :0x 80
RX_PORT :0x31
                Hash index :0x5ed0
```

```
        Flow index 0x35: SID :0x 10b00 DID :0x 10c00 VF_ID :0x 80
RX_PORT :0x31
                Hash index :0x635c
        Flow index 0xc: SID :0x 12600 DID :0x 40a00 VF_ID :0x 80
RX_PORT :0x1b
                Hash index :0x6930
        Flow index 0x8: SID :0x 12600 DID :0x 40e00 VF_ID :0x 80
RX_PORT :0x1b
                Hash index :0x6944
        Flow index 0xa6: SID :0x 10c00 DID :0x 11900 VF_ID :0x 80
RX_PORT :0x37
                Hash index :0x6c04
        Flow index 0xa: SID :0x 12600 DID :0x 40c00 VF_ID :0x 80
RX_PORT :0x1b
                Hash index :0x6d6c
        Flow index 0xb8: SID :0x 10c00 DID :0x 12500 VF_ID :0x 80
RX_PORT :0x37
                Hash index :0x7070
        Flow index 0x32: SID :0x 11100 DID :0x 12600 VF_ID :0x 80
RX_PORT :0x2d
                Hash index :0x70e0
        Flow index 0x41: SID :0x 10500 DID :0x 10500 VF_ID :0x 80
RX_PORT :0x3c
                Hash index :0x72c4
        Flow index 0x6d: SID :0x 10c00 DID :0x 11700 VF_ID :0x 80
RX_PORT :0x37
                Hash index :0x77f0
        Flow index 0x96: SID :0x 10c00 DID :0x 11500 VF_ID :0x 80
RX_PORT :0x37
                Hash index :0x78a8
        Flow index 0x24: SID :0x 10c00 DID :0x 11300 VF_ID :0x 80
RX_PORT :0x37
                Hash index :0x7d9c
        Flow index 0x69: SID :0x 10c00 DID :0x 11100 VF_ID :0x 80
RX_PORT :0x37
                Hash index :0x8190
        Flow index 0x13: SID :0x 11400 DID :0x 11400 VF_ID :0x 80
RX_PORT :0x2f
                Hash index :0x82d8
        Flow index 0xbb: SID :0x 12600 DID :0x 12500 VF_ID :0x 80
RX_PORT :0x1b
                Hash index :0x83b0
        Flow index 0x53: SID :0x 10c00 DID :0x 40c00 VF_ID :0x 80
RX_PORT :0x37
                Hash index :0x8684
        Flow index 0x55: SID :0x 10c00 DID :0x 40e00 VF_ID :0x 80
RX_PORT :0x37
                Hash index :0x86f0
        Flow index 0x34: SID :0x 12600 DID :0x 11900 VF_ID :0x 80
RX_PORT :0x1b
                Hash index :0x870c
        Flow index 0x5d: SID :0x 10900 DID :0x 11900 VF_ID :0x 80
RX_PORT :0x35
                Hash index :0x8ce8
```

```
        Flow index 0x51: SID :0x 10c00 DID :0x 40a00 VF_ID :0x 80
RX_PORT :0x37
                Hash index :0x9228
        Flow index 0x4c: SID :0x 12600 DID :0x 11100 VF_ID :0x 80
RX_PORT :0x1b
                Hash index :0x93d4
        Flow index 0x62: SID :0x 10900 DID :0x 11100 VF_ID :0x 80
RX_PORT :0x35
                Hash index :0x96e0
        Flow index 0x60: SID :0x 10900 DID :0x 11300 VF_ID :0x 80
RX_PORT :0x35
                Hash index :0x971c
        Flow index 0x9e: SID :0x 12600 DID :0x 11300 VF_ID :0x 80
RX_PORT :0x1b
                Hash index :0x9844
        Flow index 0x4e: SID :0x 12600 DID :0x 11500 VF_ID :0x 80
RX_PORT :0x1b
                Hash index :0x99b8
        Flow index 0x5e: SID :0x 10900 DID :0x 11500 VF_ID :0x 80
RX_PORT :0x35
                Hash index :0x9c8c
        Flow index 0x66: SID :0x 10900 DID :0x 11700 VF_ID :0x 80
RX_PORT :0x35
                Hash index :0x9d70
        Flow index 0x10: SID :0x 12600 DID :0x 11700 VF_ID :0x 80
RX_PORT :0x1b
                Hash index :0x9e38
        Flow index 0x7b: SID :0x 11400 DID :0x 12600 VF_ID :0x 80
RX_PORT :0x2f
                Hash index :0xa0fc
        Flow index 0x72: SID :0x 10b00 DID :0x 41100 VF_ID :0x 80
RX_PORT :0x31
                Hash index :0xa5c8
        Flow index 0x71: SID :0x 10b00 DID :0x 41300 VF_ID :0x 80
RX_PORT :0x31
                Hash index :0xa7e8
        Flow index 0x1b: SID :0x 11300 DID :0x 10b00 VF_ID :0x 80
RX_PORT :0x29
                Hash index :0xaa90
        Flow index 0x6f: SID :0x 10b00 DID :0x 41500 VF_ID :0x 80
RX_PORT :0x31
                Hash index :0xafa4
        Flow index 0xab: SID :0x 10b00 DID :0x 41700 VF_ID :0x 80
RX_PORT :0x31
                Hash index :0xb5ac
        Flow index 0x44: SID :0x 10e00 DID :0x 10e00 VF_ID :0x 80
RX_PORT :0x33
                Hash index :0xc53c
        Flow index 0x90: SID :0x 11000 DID :0x 10a00 VF_ID :0x 80
RX_PORT :0x2e
                Hash index :0xc604
        Flow index 0x33: SID :0x 11900 DID :0x 12600 VF_ID :0x 80
RX_PORT :0x25
                Hash index :0xca64
```

```
        Flow index 0x88: SID :0x 11000 DID :0x 10c00 VF_ID :0x 80
RX_PORT :0x2e
                Hash index :0xd24c
        Flow index 0x3b: SID :0x 10d00 DID :0x 10d00 VF_ID :0x 80
RX_PORT :0x34
                Hash index :0xe4c4
        Flow index 0x7a: SID :0x 10a00 DID :0x 12600 VF_ID :0x 80
RX_PORT :0x32
                Hash index :0xe538
        Flow index 0x7c: SID :0x 12500 DID :0x 12600 VF_ID :0x 80
RX_PORT :0x1c
                Hash index :0xe670
        Flow index 0x3c: SID :0x 11700 DID :0x 11700 VF_ID :0x 80
RX_PORT :0x28
                Hash index :0xf100
        Flow index 0x8c: SID :0x 10a00 DID :0x 11000 VF_ID :0x 80
RX_PORT :0x32
                Hash index :0xf434
        Flow index 0x19: SID :0x 10a00 DID :0x 11200 VF_ID :0x 80
RX_PORT :0x32
                Hash index :0xfb6c
        Flow index 0x15: SID :0x 10a00 DID :0x 11400 VF_ID :0x 80
RX_PORT :0x32
                Hash index :0x10c6c
        Flow index 0xae: SID :0x 10a00 DID :0x 41800 VF_ID :0x 80
RX_PORT :0x32
                Hash index :0x110f8
        Flow index 0x37: SID :0x 11200 DID :0x 10c00 VF_ID :0x 80
RX_PORT :0x2a
                Hash index :0x112d8
        Flow index 0x28: SID :0x 10a00 DID :0x 41400 VF_ID :0x 80
RX_PORT :0x32
                Hash index :0x11340
        Flow index 0xb2: SID :0x 11f00 DID :0x 11f00 VF_ID :0x 80
RX_PORT :0x21
                Hash index :0x117ec
        Flow index 0x26: SID :0x 10a00 DID :0x 41600 VF_ID :0x 80
RX_PORT :0x32
                Hash index :0x118b4
        Flow index 0x2b: SID :0x 10a00 DID :0x 41000 VF_ID :0x 80
RX_PORT :0x32
                Hash index :0x11fa0
        Flow index 0x82: SID :0x 11200 DID :0x 10a00 VF_ID :0x 80
RX_PORT :0x2a
                Hash index :0x139d8
        Flow index 0x8e: SID :0x 11500 DID :0x 11500 VF_ID :0x 80
RX_PORT :0x2c
                Hash index :0x14324
        Flow index 0x95: SID :0x 10b00 DID :0x 11500 VF_ID :0x 80
RX_PORT :0x31
                Hash index :0x144a4
        Flow index 0xf: SID :0x 11600 DID :0x 12600 VF_ID :0x 80
RX_PORT :0x2b
                Hash index :0x14610
```

```
        Flow index 0x40: SID :0x 10b00 DID :0x 11700 VF_ID :0x 80
RX_PORT :0x31
                Hash index :0x14948
        Flow index 0x22: SID :0x 10b00 DID :0x 11100 VF_ID :0x 80
RX_PORT :0x31
                Hash index :0x14c7c
        Flow index 0x1c: SID :0x 10b00 DID :0x 11300 VF_ID :0x 80
RX_PORT :0x31
                Hash index :0x159b8
        Flow index 0xba: SID :0x 10b00 DID :0x 12500 VF_ID :0x 80
RX_PORT :0x31
                Hash index :0x15d90
        Flow index 0xa8: SID :0x 10b00 DID :0x 11900 VF_ID :0x 80
RX_PORT :0x31
                Hash index :0x1655c
        Flow index 0x99: SID :0x 10c00 DID :0x 10a00 VF_ID :0x 80
RX_PORT :0x37
                Hash index :0x16a04
        Flow index 0x20: SID :0x 10c00 DID :0x 10c00 VF_ID :0x 80
RX_PORT :0x37
                Hash index :0x171f0
        Flow index 0x2: SID :0x 12600 DID :0x 41500 VF_ID :0x 80
RX_PORT :0x1b
                Hash index :0x174a0
        Flow index 0x47: SID :0x 11c00 DID :0x 11c00 VF_ID :0x 80
RX_PORT :0x26
                Hash index :0x174c4
        Flow index 0xad: SID :0x 12600 DID :0x 41700 VF_ID :0x 80
RX_PORT :0x1b
                Hash index :0x17b9c
        Flow index 0x5: SID :0x 12600 DID :0x 41100 VF_ID :0x 80
RX_PORT :0x1b
                Hash index :0x17d74
        Flow index 0x1e: SID :0x 11100 DID :0x 10b00 VF_ID :0x 80
RX_PORT :0x2d
                Hash index :0x17ea8
        Flow index 0x4: SID :0x 12600 DID :0x 41300 VF_ID :0x 80
RX_PORT :0x1b
                Hash index :0x1844c
        Flow index 0x98: SID :0x 10900 DID :0x 10c00 VF_ID :0x 80
RX_PORT :0x35
                Hash index :0x185b0
        Flow index 0x8a: SID :0x 12600 DID :0x 10c00 VF_ID :0x 80
RX_PORT :0x1b
                Hash index :0x18ae8
        Flow index 0x49: SID :0x 12600 DID :0x 10a00 VF_ID :0x 80
RX_PORT :0x1b
                Hash index :0x18b14
        Flow index 0x64: SID :0x 10900 DID :0x 10a00 VF_ID :0x 80
RX_PORT :0x35
                Hash index :0x1911c
        Flow index 0x59: SID :0x 10c00 DID :0x 41300 VF_ID :0x 80
RX_PORT :0x37
                Hash index :0x1933c
```

```
        Flow index 0x14: SID :0x 11400 DID :0x 10b00 VF_ID :0x 80
RX_PORT :0x2f
                Hash index :0x19428
        Flow index 0x58: SID :0x 10c00 DID :0x 41100 VF_ID :0x 80
RX_PORT :0x37
                Hash index :0x19b70
        Flow index 0xac: SID :0x 10c00 DID :0x 41700 VF_ID :0x 80
RX_PORT :0x37
                Hash index :0x19b74
        Flow index 0x7d: SID :0x 11d00 DID :0x 11d00 VF_ID :0x 80
RX_PORT :0x24
                Hash index :0x19e44
        Flow index 0x5b: SID :0x 10c00 DID :0x 41500 VF_ID :0x 80
RX_PORT :0x37
                Hash index :0x1aaec
        Flow index 0x4f: SID :0x 11300 DID :0x 12600 VF_ID :0x 80
RX_PORT :0x29
                Hash index :0x1af48
        Flow index 0x43: SID :0x 10700 DID :0x 10700 VF_ID :0x 80
RX_PORT :0x38
                Hash index :0x1b250
        Flow index 0x75: SID :0x 10b00 DID :0x 40e00 VF_ID :0x 80
RX_PORT :0x31
                Hash index :0x1b764
        Flow index 0x77: SID :0x 10b00 DID :0x 40c00 VF_ID :0x 80
RX_PORT :0x31
                Hash index :0x1b83c
        Flow index 0x79: SID :0x 10b00 DID :0x 40a00 VF_ID :0x 80
RX_PORT :0x31
                Hash index :0x1c8a8
        Flow index 0x16: SID :0x 10400 DID :0x 10400 VF_ID :0x 80
RX_PORT :0x3f
                Hash index :0x1cb00
        Flow index 0xb7: SID :0x 11900 DID :0x 10b00 VF_ID :0x 80
RX_PORT :0x25
                Hash index :0x1e83c
        Flow index 0x3e: SID :0x 12500 DID :0x 10b00 VF_ID :0x 80
RX_PORT :0x1c
                Hash index :0x1e9c0
        Flow index 0x1: SID :0x 10a00 DID :0x 10b00 VF_ID :0x 80
RX_PORT :0x32
                Hash index :0x1f1e8
        Flow index 0x7f: SID :0x 11700 DID :0x 10a00 VF_ID :0x 80
RX_PORT :0x28
                Hash index :0x1feb0
        Flow index 0x3d: SID :0x 11700 DID :0x 10c00 VF_ID :0x 80
RX_PORT :0x28
                Hash index :0x200cc
        Flow index 0x17: SID :0x 11200 DID :0x 11200 VF_ID :0x 80
RX_PORT :0x2a
                Hash index :0x202ec
        Flow index 0xa1: SID :0x 10a00 DID :0x 40a00 VF_ID :0x 80
RX_PORT :0x32
                Hash index :0x20880
```

```
        Flow index 0x2d: SID :0x 10a00 DID :0x 40e00 VF_ID :0x 80
RX_PORT :0x32
                Hash index :0x20db4
        Flow index 0x2f: SID :0x 10a00 DID :0x 40c00 VF_ID :0x 80
RX_PORT :0x32
                Hash index :0x2103c
        Flow index 0xe: SID :0x 11200 DID :0x 12600 VF_ID :0x 80
RX_PORT :0x2a
                Hash index :0x229ec
        Flow index 0x92: SID :0x 11500 DID :0x 10b00 VF_ID :0x 80
RX_PORT :0x2c
                Hash index :0x22a54
        Flow index 0x45: SID :0x 11800 DID :0x 11800 VF_ID :0x 80
RX_PORT :0x27
                Hash index :0x234f0
        Flow index 0x46: SID :0x 10800 DID :0x 10800 VF_ID :0x 80
RX_PORT :0x36
                Hash index :0x24460
        Flow index 0x9a: SID :0x 11600 DID :0x 10c00 VF_ID :0x 80
RX_PORT :0x2b
                Hash index :0x24b38
        Flow index 0x7e: SID :0x 11600 DID :0x 10a00 VF_ID :0x 80
RX_PORT :0x2b
                Hash index :0x25310
        Flow index 0x21: SID :0x 10b00 DID :0x 10b00 VF_ID :0x 80
RX_PORT :0x31
                Hash index :0x261c4
        Flow index 0xb: SID :0x 12600 DID :0x 40b00 VF_ID :0x 80
RX_PORT :0x1b
                Hash index :0x264f0
        Flow index 0x9c: SID :0x 12600 DID :0x 40900 VF_ID :0x 80
RX_PORT :0x1b
                Hash index :0x2672c
        Flow index 0x1d: SID :0x 11100 DID :0x 11100 VF_ID :0x 80
RX_PORT :0x2d
                Hash index :0x26ac0
        Flow index 0xb5: SID :0x 10c00 DID :0x 12600 VF_ID :0x 80
RX_PORT :0x37
                Hash index :0x26ba8
        Flow index 0x7: SID :0x 12600 DID :0x 40f00 VF_ID :0x 80
RX_PORT :0x1b
                Hash index :0x26e9c
        Flow index 0x9: SID :0x 12600 DID :0x 40d00 VF_ID :0x 80
RX_PORT :0x1b
                Hash index :0x27568
        Flow index 0x6c: SID :0x 10c00 DID :0x 11400 VF_ID :0x 80
RX_PORT :0x37
                Hash index :0x27a30
        Flow index 0x6a: SID :0x 10c00 DID :0x 11200 VF_ID :0x 80
RX_PORT :0x37
                Hash index :0x27f04
        Flow index 0x8b: SID :0x 10c00 DID :0x 11000 VF_ID :0x 80
RX_PORT :0x37
                Hash index :0x28128
```

```
        Flow index 0x54: SID :0x 10c00 DID :0x 40d00 VF_ID :0x 80
RX_PORT :0x37
                Hash index :0x2841c
        Flow index 0x56: SID :0x 10c00 DID :0x 40f00 VF_ID :0x 80
RX_PORT :0x37
                Hash index :0x28574
        Flow index 0xd: SID :0x 12600 DID :0x 12600 VF_ID :0x 80
RX_PORT :0x1b
                Hash index :0x28b44
        Flow index 0x5f: SID :0x 10c00 DID :0x 40900 VF_ID :0x 80
RX_PORT :0x37
                Hash index :0x28e70
        Flow index 0x52: SID :0x 10c00 DID :0x 40b00 VF_ID :0x 80
RX_PORT :0x37
                Hash index :0x290b0
        Flow index 0x4b: SID :0x 12600 DID :0x 11000 VF_ID :0x 80
RX_PORT :0x1b
                Hash index :0x2914c
        Flow index 0x63: SID :0x 10900 DID :0x 11000 VF_ID :0x 80
RX_PORT :0x35
                Hash index :0x29478
        Flow index 0x61: SID :0x 10900 DID :0x 11200 VF_ID :0x 80
RX_PORT :0x35
                Hash index :0x29584
        Flow index 0x4d: SID :0x 12600 DID :0x 11200 VF_ID :0x 80
RX_PORT :0x1b
                Hash index :0x29adc
        Flow index 0x93: SID :0x 12600 DID :0x 11400 VF_ID :0x 80
RX_PORT :0x1b
                Hash index :0x29b20
        Flow index 0x86: SID :0x 10900 DID :0x 11400 VF_ID :0x 80
RX_PORT :0x35
                Hash index :0x29e14
        Flow index 0x9d: SID :0x 10900 DID :0x 11600 VF_ID :0x 80
RX_PORT :0x35
                Hash index :0x2a264
        Flow index 0x73: SID :0x 10b00 DID :0x 41000 VF_ID :0x 80
RX_PORT :0x31
                Hash index :0x2a570
        Flow index 0x81: SID :0x 11300 DID :0x 10a00 VF_ID :0x 80
RX_PORT :0x29
                Hash index :0x2a808
        Flow index 0x70: SID :0x 10b00 DID :0x 41400 VF_ID :0x 80
RX_PORT :0x31
                Hash index :0x2aa28
        Flow index 0x38: SID :0x 11300 DID :0x 10c00 VF_ID :0x 80
RX_PORT :0x29
                Hash index :0x2ad3c
        Flow index 0x6e: SID :0x 10b00 DID :0x 41600 VF_ID :0x 80
RX_PORT :0x31
                Hash index :0x2b6bc
        Flow index 0xaf: SID :0x 10b00 DID :0x 41800 VF_ID :0x 80
RX_PORT :0x31
                Hash index :0x2c580
```

```
        Flow index 0xa0: SID :0x 11900 DID :0x 11900 VF_ID :0x 80
RX_PORT :0x25
                Hash index :0x2c7a4
        Flow index 0x89: SID :0x 11000 DID :0x 10b00 VF_ID :0x 80
RX_PORT :0x2e
                Hash index :0x2e294
        Flow index 0xb4: SID :0x 12500 DID :0x 12500 VF_ID :0x 80
RX_PORT :0x1c
                Hash index :0x2e368
        Flow index 0xb9: SID :0x 10a00 DID :0x 12500 VF_ID :0x 80
RX_PORT :0x32
                Hash index :0x2e740
        Flow index 0xa7: SID :0x 10a00 DID :0x 11900 VF_ID :0x 80
RX_PORT :0x32
                Hash index :0x2f1bc
        Flow index 0x3a: SID :0x 10300 DID :0x 10300 VF_ID :0x 80
RX_PORT :0x39
                Hash index :0x2f398
        Flow index 0x1f: SID :0x 10a00 DID :0x 11100 VF_ID :0x 80
RX_PORT :0x32
                Hash index :0x2f6ac
        Flow index 0x6b: SID :0x 10a00 DID :0x 11300 VF_ID :0x 80
RX_PORT :0x32
                Hash index :0x2f9f4
        Flow index 0x94: SID :0x 10a00 DID :0x 11500 VF_ID :0x 80
RX_PORT :0x32
                Hash index :0x2fcc0
        Flow index 0x3f: SID :0x 10a00 DID :0x 11700 VF_ID :0x 80
RX_PORT :0x32
                Hash index :0x2fe74
        Flow index 0xa5: SID :0x 11700 DID :0x 12600 VF_ID :0x 80
RX_PORT :0x28
                Hash index :0x31040
        Flow index 0x27: SID :0x 10a00 DID :0x 41500 VF_ID :0x 80
RX_PORT :0x32
                Hash index :0x31574
        Flow index 0xaa: SID :0x 10a00 DID :0x 41700 VF_ID :0x 80
RX_PORT :0x32
                Hash index :0x31a2c
        Flow index 0x2a: SID :0x 10a00 DID :0x 41100 VF_ID :0x 80
RX_PORT :0x32
                Hash index :0x31d38
        Flow index 0x18: SID :0x 11200 DID :0x 10b00 VF_ID :0x 80
RX_PORT :0x2a
                Hash index :0x31f18
        Flow index 0x29: SID :0x 10a00 DID :0x 41300 VF_ID :0x 80
RX_PORT :0x32
                Hash index :0x324e8
        Flow index 0x48: SID :0x 11500 DID :0x 12600 VF_ID :0x 80
RX_PORT :0x2c
                Hash index :0x32e14
        Flow index 0x11: SID :0x 10100 DID :0x 10100 VF_ID :0x 80
RX_PORT :0x3d
                Hash index :0x341bc
```

```
        Flow index 0x25: SID :0x 10b00 DID :0x 11400 VF_ID :0x 80
RX_PORT :0x31
                Hash index :0x349f4
        Flow index 0x12: SID :0x 10200 DID :0x 10200 VF_ID :0x 80
RX_PORT :0x3a
                Hash index :0x34bd0
        Flow index 0x8d: SID :0x 10b00 DID :0x 11000 VF_ID :0x 80
RX_PORT :0x31
                Hash index :0x34ee4
        Flow index 0x23: SID :0x 10b00 DID :0x 11200 VF_ID :0x 80
RX_PORT :0x31
                Hash index :0x35e14
        Flow index 0x31: SID :0x 10b00 DID :0x 12600 VF_ID :0x 80
RX_PORT :0x31
                Hash index :0x367c4
        Flow index 0x68: SID :0x 10c00 DID :0x 10b00 VF_ID :0x 80
RX_PORT :0x37
                Hash index :0x36ddc
        Flow index 0xb1: SID :0x 12600 DID :0x 41800 VF_ID :0x 80
RX_PORT :0x1b
                Hash index :0x370b4
        Flow index 0x36: SID :0x 11100 DID :0x 10c00 VF_ID :0x 80
RX_PORT :0x2d
                Hash index :0x37368
        Flow index 0x3: SID :0x 12600 DID :0x 41400 VF_ID :0x 80
RX_PORT :0x1b
                Hash index :0x3765c
        Flow index 0xa9: SID :0x 12600 DID :0x 41600 VF_ID :0x 80
RX_PORT :0x1b
                Hash index :0x37904
        Flow index 0x6: SID :0x 12600 DID :0x 41000 VF_ID :0x 80
RX_PORT :0x1b
                Hash index :0x37fec
        Flow index 0x83: SID :0x 11100 DID :0x 10a00 VF_ID :0x 80
RX_PORT :0x2d
                Hash index :0x38268
        Flow index 0xb0: SID :0x 10c00 DID :0x 41800 VF_ID :0x 80
RX_PORT :0x37
                Hash index :0x38870
        Flow index 0x4a: SID :0x 12600 DID :0x 10b00 VF_ID :0x 80
RX_PORT :0x1b
                Hash index :0x3898c
        Flow index 0x8f: SID :0x 10900 DID :0x 10b00 VF_ID :0x 80
RX_PORT :0x35
                Hash index :0x391a4
        Flow index 0x80: SID :0x 11400 DID :0x 10a00 VF_ID :0x 80
RX_PORT :0x2f
                Hash index :0x396b0
        Flow index 0x57: SID :0x 10c00 DID :0x 41000 VF_ID :0x 80
RX_PORT :0x37
                Hash index :0x399e8
        Flow index 0x5c: SID :0x 10c00 DID :0x 41600 VF_ID :0x 80
RX_PORT :0x37
                Hash index :0x39cdc
```

```
        Flow index 0x5a: SID :0x 10c00 DID :0x 41400 VF_ID :0x 80
RX_PORT :0x37
                Hash index :0x39efc
        Flow index 0x39: SID :0x 11400 DID :0x 10c00 VF_ID :0x 80
RX_PORT :0x2f
                Hash index :0x3b0c8
        Flow index 0x74: SID :0x 10b00 DID :0x 40f00 VF_ID :0x 80
RX_PORT :0x31
                Hash index :0x3b5fc
        Flow index 0x76: SID :0x 10b00 DID :0x 40d00 VF_ID :0x 80
RX_PORT :0x31
                Hash index :0x3b884
        Flow index 0x1a: SID :0x 11300 DID :0x 11300 VF_ID :0x 80
RX_PORT :0x29
                Hash index :0x3baa4
        Flow index 0x78: SID :0x 10b00 DID :0x 40b00 VF_ID :0x 80
RX_PORT :0x31
                Hash index :0x3bf90
        Flow index 0x9f: SID :0x 10b00 DID :0x 40900 VF_ID :0x 80
RX_PORT :0x31
                Hash index :0x3c6c0
        Flow index 0xa3: SID :0x 11900 DID :0x 10c00 VF_ID :0x 80
RX_PORT :0x25
                Hash index :0x3c998
        Flow index 0x65: SID :0x 11900 DID :0x 10a00 VF_ID :0x 80
RX_PORT :0x25
                Hash index :0x3caa0
        Flow index 0x50: SID :0x 11000 DID :0x 12600 VF_ID :0x 80
RX_PORT :0x2e
                Hash index :0x3df64
        Flow index 0x85: SID :0x 11000 DID :0x 11000 VF_ID :0x 80
RX_PORT :0x2e
                Hash index :0x3e400
        Flow index 0x67: SID :0x 10a00 DID :0x 10c00 VF_ID :0x 80
RX_PORT :0x32
                Hash index :0x3e5fc
        Flow index 0xb6: SID :0x 12500 DID :0x 10c00 VF_ID :0x 80
RX_PORT :0x1c
                Hash index :0x3eaa4
        Flow index 0xb3: SID :0x 12500 DID :0x 10a00 VF_ID :0x 80
RX_PORT :0x1c
                Hash index :0x3eb58
        Flow index 0xa2: SID :0x 10a00 DID :0x 10a00 VF_ID :0x 80
RX_PORT :0x32
                Hash index :0x3f370
        Flow index 0xa4: SID :0x 11700 DID :0x 10b00 VF_ID :0x 80
RX_PORT :0x28

 Usage count 187

Dynamic traps installed:

IUs pending queue for dynamic trap:
```

```
IUs pending queue for zone check:


**********Mirror resources
Information**********


MPHDR0:        0        0        0        0        0        0
0        0
MPHDR1:        0        0        0        0        0        0
0        0
MPHDR2:        0        0        0        0        0        0
0        0
MPHDR3:        0        0        0        0        0        0
0        0

MPTXPT0:    0    0    0    0    0    0    0    0
MPTXPT1:    0    0    0    0    0    0    0    0
MPTXPT2:    0    0    0    0    0    0    0    0
MPTXPT3:    0    0    0    0    0    0    0    0

mp_egid = 0
mp_egid = 0
mp_egid = 0
mp_egid = 0

RFM blk_usage = 0       0       0       0       0       0
mphdr_in_use[0] =        0
mphdr_in_use[1] =        0
mphdr_in_use[2] =        0
mphdr_in_use[3] =        0

ipm_port = 0x0   opm_port = 0x0 opm_port_valid = 0x0

frame_cap_en = 0        frame_cap_count = 0
num_np_mr_flows = 0


portFcPortCmdShow --slot 0 57 3
doing portFcPortCmdShow: arg1 = 3, arg2 = -2

portshow 57
portDisableReason: None
portCFlags: 0x0
portFlags: 0x4021        PRESENT U_PORT DISABLED LED
LocalSwcFlags: 0x0
portType:  26.0
POD Port: Need license to enable the port
portState: 2    Offline
Protocol: FC
portPhys:  2    No_Module       portScn:   2    Offline
port generation number:    0
state transition count:    0
```

```
portId:    013900
portIfId:    43020002
portWwn:   20:39:d8:1f:cc:2c:99:90
portWwn of device(s) connected:
16b Area list:
Distance:  normal
portSpeed: N32Gbps

FEC: Inactive
Credit Recovery: Inactive
LE domain: 0
Peer beacon: Off
FC Fastwrite: OFF
Interrupts:        0          Link_failure: 0          Frjt:
0
Unknown:           0          Loss_of_sync: 0          Fbsy:
0
Lli:               0          Loss_of_sig:  0
Proc_rqrd:         0          Protocol_err: 0
Timed_out:         0          Invalid_word: 0
Tx_unavail:        0          Invalid_crc:  0
Delim_err:         0          Address_err:  0
Lr_in:             0          Ols_in:       0
Lr_out:            0          Ols_out:      0


portloginshow 57
Type  PID     World Wide Name        credit df_sz cos
=====================================================


portloginshow 57 -history
 Type  PID      World Wide Name           logout time
============================================================


portregshow 57

LED registers
=============
0x81c12000: c4_led_status           00000000    0x81c12004:
c4_led_ctl              00000000

FPL registers
=============
0x81c10200: fpl_port_config         23490000
0x81c1020c: fpl_port_id_ctl         00000000    0x81c10210:
fpl_port_id_addr        00013900
0x81c10214: fpl_port_speed          00000004    0x81c1021c:
fpl_lli_ctl             00000903
0x81c10228: fpl_lli_os_ctl          bc95b5b5    0x81c1022c:
fpl_lli_send_word       bc95b5b5
0x81c10230: fpl_lli_mark_rx         00000000    0x81c10234:
```

```
fpl_lli_rnd_trip_time   00000000
0x81c10238: fpl_lli_ns_status       80070007    0x81c1023c:
fpl_lli_intr_status     80070007
0x81c10244: fpl_lli_def             00000000    0x81c10254:
fpl_lli_intr_enable_clr 00100000
0x81c10258: fpl_err_intr_status     00000000    0x81c10260:
fpl_err_intr_enable_clr 00000000
0x81c10268: fpl_err_first_error     00000000    0x81c1026c:
fpl_speed_neg_ctl       00000000
0x81c10270: fpl_speed_neg_stat      00000000    0x81c10274:
fpl_softasn_ctl         0000000f
0x81c10278: fpl_link_init_ctl       00000000    0x81c1027c:
fpl_link_init_stat      00000000
0x81c10280: fpl_aec_ctl             00051060    0x81c10284:
fpl_aec_ctl2            04009f60
0x81c10288: fpl_pcs_ctl             00000160    0x81c1028c:
fpl_fec_ctl             00000441
0x81c10290: fpl_fec_cor             00000000    0x81c10294:
fpl_fec_uncor           00000000
0x81c10298: fpl_hss_link_ctl        0031f040    0x81c1029c:
fpl_afifo_link_ctl      00000a86
0x81c102a0: fpl_echo_lb_ctl         0000028c    0x81c102a4:
fpl_scratch             00000121
0x81c102a8: fpl_debug               00030005    0x81c102ac:
fpl_misc_debug          00001800
0x00000000: SW_shadow_reg           00000000    0x00000000:
SW_c4_phyp->cfgptr      00030000

per-fpg (per octet) registers
=============================
0x8180382c: fpg_serdes_ctla0        81a37be7    0x81803830:
fpg_serdes_ctla1        81a37be7
0x81803834: fpg_serdes_ctlb0        81a1c3c3    0x81803838:
fpg_serdes_ctlb1        81a1c3c3
0x8180383c: fpg_serdes_xgmii_1ms    00067c28    0x81803840:
fpg_serdes_regtimctl    40e47946
0x81803844: fpg_serdes_asnrsttimctl 00000102

HSS PLL registers
=============================
0x81801400: 00_hssplla_vco_coarse_cal0      00000000    0x81801404:
01_hssplla_vco_coarse_cal1      00000014
0x81801408: 02_hssplla_vco_coarse_cal2      00000000    0x8180140c:
03_hssplla_vco_coarse_cal3      00000000
0x81801410: 04_hssplla_vco_coarse_cal4      00000000    0x81801424:
09_hssplla_power_ctl            00000000
0x81801428: 0A_hssplla_charge_pump_ctl      00000004    0x81801438:
0E_hssplla_pll_misc_ctl         00000000
0x8180143c: 0F_hssplla_pclk_ctl             000000f8    0x81801440:
10_hssplla_eyem_intv_ctl        00000000
0x81801444: 11_hssplla_eyem_intv_lim1       00000000    0x81801448:
12_hssplla_eyem_intv_lim2       00000000
0x8180144c: 13_hssplla_eyem_intv_lim3       00000000    0x81801450:
14_hssplla_eyem_intv_lim4       00000000
```

```
0x818014f0: 3C_hssplla_macro_tst_ctl4       00000000    0x818014f4:
3D_hssplla_macro_tst_ctl3       00000000
0x818014f8: 3E_hssplla_macro_tst_ctl2       00000000    0x818014fc:
3F_hssplla_macro_tst_ctl1       00000000
0x81801500: 00_hssPllb_vco_coarse_cal0      0000000a    0x81801504:
01_hssPllb_vco_coarse_cal1      00000014
0x81801508: 02_hssPllb_vco_coarse_cal2      00000000    0x8180150c:
03_hssPllb_vco_coarse_cal3      00000000
0x81801510: 04_hssPllb_vco_coarse_cal4      00000000    0x81801524:
09_hssPllb_power_ctl            00000000
0x81801528: 0A_hssPllb_charge_pump_ctl      00000004    0x81801538:
0E_hssPllb_pll_misc_ctl         00000000
0x8180153c: 0F_hssPllb_pclk_ctl             000000f8    0x81801540:
10_hssPllb_eyem_intv_ctl        00000000
0x81801544: 11_hssPllb_eyem_intv_lim1       00000000    0x81801548:
12_hssPllb_eyem_intv_lim2       00000000
0x8180154c: 13_hssPllb_eyem_intv_lim3       00000000    0x81801550:
14_hssPllb_eyem_intv_lim4       00000000
0x818015f0: 3C_hssPllb_macro_tst_ctl4       00000000    0x818015f4:
3D_hssPllb_macro_tst_ctl3       00000000
0x818015f8: 3E_hssPllb_macro_tst_ctl2       00000000    0x818015fc:
3F_hssPllb_macro_tst_ctl1       00000000

HSS TX registers
================
0x81800400: 00_hsstx_cfg_mode_PHY           00009f48    0x81800404:
01_hsstx_test_ctl               00000000
0x81800408: 02_hsstx_coeff_ctl_INV          00000000    0x8180040c:
03_hsstx_drv_mode_ctl           00000000
0x81800410: 04_hsstx_drv_ovrd_ctl           00000010    0x81800414:
05_hsstx_dclk_align_ovrd        00000080
0x81800418: 06_hsstx_imp_cal_ovrd           00000c0c    0x8180041c:
07_hsstx_dclk_drift_tol         00000004
0x81800420: 08_hsstx_tap0_coeff_TUNE        00000000    0x81800424:
09_hsstx_tap1_coeff_TUNE        00000003
0x81800428: 0A_hsstx_tap2_coeff_TUNE        00000018    0x8180042c:
0B_hsstx_tap3_coeff_TUNE        0000000d
0x81800434: 0D_hsstx_pol_INV                0000000a    0x81800438:
0E_hsstx_ae_cmd                 00000000
0x8180043c: 0F_hsstx_ae_stat                00000000    0x81800440:
10_hsstx_ae_tap0_TUNE           00000000
0x81800444: 11_hsstx_ae_tap1_TUNE           00000000    0x81800448:
12_hsstx_ae_tap2_TUNE           00000028
0x8180044c: 13_hsstx_ae_tap3_TUNE           00000000    0x81800454:
15_hsstx_app_tune               0000120e
0x81800458: 16_hsstx_analog_diag            00000000    0x81800460:
18_hsstx_4x_seg_app             0000aafa
0x81800464: 19_hsstx_2x_seg_app             00000000    0x81800468:
1A_hsstx_1x_seg_app             0000ff5d
0x8180046c: 1B_hsstx_seg_4x_term_app        00000000    0x81800470:
1C_hsstx_seg_2x1x_term_app      00000f00
0x81800474: 1D_hsstx_tap_sign_app           0000000a    0x81800478:
1E_hsstx_ext_addr_data          00000001
0x8180047c: 1F_hsstx_ext_addr_addr          00000000    0x81800480:
```

```
20_hsstx_pat_buf_bytes_1_0      00000000
0x81800484: 21_hsstx_pat_buf_bytes_3_2      00000000    0x81800488:
22_hsstx_pat_buf_bytes_5_4      00000000
0x8180048c: 23_hsstx_pat_buf_bytes_7_6      00000000    0x8180049c:
27_hsstx_8023az_ctl             00000000
0x818004a0: 28_hsstx_dcc_ctl                000060c0    0x818004a4:
29_hsstx_dcc_ovrd               00000000
0x818004a8: 2A_hsstx_dcc_app                00000101    0x818004ac:
2B_hsstx_dcc_timeout            0000ffff
0x818004c0: 30_hsstx_tap_sign_ovrd          00000000    0x818004c8:
32_hsstx_seg_4x_ovrd            00000000
0x818004cc: 33_hsstx_seg_2x_ovrd            00000000    0x818004d0:
34_hsstx_seg_1x_ovrd            00000000
0x818004d8: 36_hsstx_tap_seg_4x_term_ovrd   00000000    0x818004dc:
37_hsstx_tap_seg_2x_term_ovrd   00000000
0x818004e0: 38_hsstx_tap_seg_1x_term_ovrd   00000000    0x818004ec:
3B_hsstx_mac_test_ctl5          00000000
0x818004f0: 3C_hsstx_mac_test_ctl4          00000000    0x818004f4:
3D_hsstx_mac_test_ctl3          00000000
0x818004f8: 3E_hsstx_mac_test_ctl2          00000000    0x818004fc:
3F_hsstx_mac_test_ctl1          000000c6

HSS RX registers
================
0x81800600: 00_hssrx_cfg_mode_PHY           00009e78    0x81800604:
01_hssrx_test_ctl               00000000
0x81800608: 02_hssrx_phs_rot_ctl            0000cb80    0x8180060c:
03_hssrx_phs_rot_ofs_ctl        00000610
0x81800610: 04_hssrx_phs_rot_posn1          00002d2c    0x81800614:
05_hssrx_phs_rot_posn2          0000001c
0x81800618: 06_hssrx_phs_rot_sta_ofs1       00000001    0x8180061c:
07_hssrx_phs_rot_sta_ofs2       00000000
0x81800620: 08_hssrx_dfe_ctl_PHY            00002002    0x81800624:
09_hssrx_dfe_smpl_snap1         00000000
0x81800628: 0A_hssrx_dfe_smpl_snap2         00008000    0x8180062c:
0B_hssrx_vga_ctl1               00004018
0x81800630: 0C_hssrx_vga_ctl2               00007aa0    0x81800634:
0D_hssrx_vga_ctl3               000009e4
0x81800638: 0E_hssrx_pwr_mgmnt_ctl          0000001f    0x8180063c:
0F_hssrx_iqamp_ctl1             00000019
0x81800640: 10_hssrx_iqamp_ctl2             00000005    0x81800644:
11_hssrx_dacap_dacan_sel        00000003
0x81800648: 12_hssrx_dacap_dacan            0000fffe    0x8180064c:
13_hssrx_daca_min               00000000
0x81800650: 14_hssrx_adac_ctl               000000ff    0x81800654:
15_hssrx_ac_cp_ctl              000031c3
0x81800658: 16_hssrx_ac_cp_val              0000804d    0x8180065c:
17_hssrx_dfe_h1h2h3_lcl_off_ch  00000014
0x81800660: 18_hssrx_dfe_h1h2h3_lcl_off_val 00000000    0x81800664:
19_hssrx_peaked_intg            000000ff
0x81800668: 1A_hssrx_cdr_analog_sw          0000ce00    0x8180066c:
1B_hssrx_peaking_amp_init_c_PHY 00000000
0x81800670: 1C_hssrx_dac_dpc                00000040    0x81800674:
1D_hssrx_ddc                    00000000
```

```
0x81800678: 1E_hssrx_int_stat_PHY          00000c0f    0x8180067c:
1F_hssrx_dfe_func_ctl1_PHY      0000ffff
0x81800680: 20_hssrx_dfe_func_ctl2_INV     00007ebf    0x81800684:
21_hssrx_ofs_ch_dcc_qcc_idx     00002000
0x81800688: 22_hssrx_dfe_ofs_val           00007d08    0x8180068c:
23_hssrx_h_coeff_bist           00000401
0x81800690: 24_hssrx_ac_cap_bist           00000000    0x81800694:
25_hssrx_max_gain_path_idx_res  00007800
0x81800698: 26_hssrx_loff_ctl              00000054    0x8180069c:
27_hssrx_sigdet_ctl             00002180
0x818006a0: 28_hssrx_ana_ctl_sw            00000000    0x818006a4:
29_hssrx_intg_dac_ofs           0000dedf
0x818006a8: 2A_hssrx_eye_ctl               00000000    0x818006ac:
2B_hssrx_eye_met                00000004
0x818006b0: 2C_hssrx_eye_met_err_cnt       00000000    0x818006b4:
2D_hssrx_eye_met_pdf_eyec       00000000
0x818006b8: 2E_hssrx_eye_met_pat_len       0000007f    0x818006bc:
2F_hssrx_dfe_func_ctl3          0000dfff
0x818006c0: 30_hssrx_dfe_tap_ctl_idx_ptr   00000008    0x818006c4:
31_hssrx_dfe_tap                00003030
0x818006c8: 32_hssrx_lte_ctl_TUNE          00001601    0x818006e4:
39_hssrx_int_stat2              000041ff
0x818006e8: 3A_hssrx_ac_cpl_cur_src_adj    00000040    0x818006ec:
3B_hssrx_dcd_ctl                00007c41
0x818006f0: 3C_hssrx_dcc_ctl               00000d81    0x818006f4:
3D_hssrx_qcc_ctl                00006989
0x818006f8: 3E_hssrx_mac_test_ctl2         00000000    0x818006fc:
3F_hssrx_mac_test_ctl1          00000000
0x81800648: 12_hssrx_dacap_dacan[02]               00fe fffe
0x81800660: 18_hssrx_dfe_h1h2h3_lcl_off_va[00]     0000 0000   0000
0000   0000 0000   0000 0000
0x81800660: 18_hssrx_dfe_h1h2h3_lcl_off_va[08]     0000 0000   0000
0000   0000 0000   0000 0000
0x81800660: 18_hssrx_dfe_h1h2h3_lcl_off_va[16]     0000 0000   0000
0000   0000
0x81800688: 22_hssrx_dfe_ofs_val[00][00]           7d08 007f   017e
7f00   7d01 0000
0x81800688: 22_hssrx_dfe_ofs_val[03][00]           7b03 007f   077f
7f00   7e7c 0000
0x81800688: 22_hssrx_dfe_ofs_val[06][00]           7f02 7f7f   000b
007f   797b 0000
0x81800688: 22_hssrx_dfe_ofs_val[09][00]           077d 7f00   7d7c
0000   0001 0000
0x81800688: 22_hssrx_dfe_ofs_val[12][00]           077b 7f00   7d06
007f   0505 7f7f
0x81800688: 22_hssrx_dfe_ofs_val[15][00]           7f7b 0000   7e7d
0000   0100 0000
0x81800688: 22_hssrx_dfe_ofs_val[18][00]           057d 7f00   0702
0000   0007 007f
0x81800688: 22_hssrx_dfe_ofs_val[21][00]           0007 007f   0007
007f   0007 007f
0x81800688: 22_hssrx_dfe_ofs_val[24][00]           0101 0000   7a78
0101   027d 0000
0x81800694: 25_hssrx_max_gain_path_idx_res[00]     0057 0843   100d
```

```
18a6   20cf 289a   3082 3800
0x81800694: 25_hssrx_max_gain_path_idx_res[08]      409f 4875   506b
5800   6040 6800   70fd 7800
0x818006c4: 31_hssrx_dfe_tap[00]                    fffe 8080   0000
0000   0030 0030   3030 3030
0x818006c4: 31_hssrx_dfe_tap[08]                    3030 3030   3030
0000
0x818006e8: 3A_hssrx_ac_cpl_cur_src_adj[00]         0040 0040   0040
0040
0x818006ec: 3B_hssrx_dcd_ctl[00]                    7c41 5c00   7c81
5c00   7c81
0x818006f0: 3C_hssrx_dcc_ctl[00]                    0d81 0d83   0d82
0d83
0x818006f4: 3D_hssrx_qcc_ctl[00]                    6984 6989

xfipcs, fec, aec, & aet registers
=================================
0x81c10400: xfipcs_reg              [00] 00002040 00000080 00000000
00000000    00000001 00000008 00000000 00000000
0x81c10420: xfipcs_reg              [08] 00008c01 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c10440: xfipcs_reg              [16] 00000000 00000000 00000000
00000000    00000040 00000000 00000000 00000000
0x81c10460: xfipcs_reg              [24] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c10480: xfipcs_reg              [32] 00000004 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c10620: fec_32g_128g_reg        [08] 00000000 00000000 00000000
00000000    00000000 00000000 00000000
0x81c10648: fec_32g_128g_reg        [18] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c10a00: aec_reg                 [00] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c10c00: aet_reg                 [00] 00000000 00000000 00000000
00000000    00000000

bbc registers
=============
0x81c11800: bbc_trc                 0    0    0    0    0    0    0
0
0x81c11840: bbc_trc                 0    0    0    0    0    0    0
0
0x81c11880: bbc_trc                 0    0    0    0    0    0    0
0
0x81c118c0: bbc_trc                 0    0    0    0    0    0    0
0
0x81c11900: bbc_trc                 0    0    0    0    0    0    0
0
0x81c11804: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c11844: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c11884: bbc_mbc                 0    0    0    0    0    0    0
0
```

```
0x81c118c4: bbc_mbc                0    0    0    0    0    0    0
0
0x81c11904: bbc_mbc                0    0    0    0    0    0    0
0
0x81c11a00: bbc_rcc                0    0    0    0    0    0    0
0
0x81c11a20: bbc_rcc                0    0    0    0    0    0    0
0
0x81c11a40: bbc_rcc                0    0    0    0    0    0    0
0
0x81c11a60: bbc_rcc                0    0    0    0    0    0    0
0
0x81c11a80: bbc_rcc                0    0    0    0    0    0    0
0
0x81c11c00: bbc_rqc                0    0    0    0    0    0    0
0
0x81c11c20: bbc_rqc                0    0    0    0    0    0    0
0
0x81c11c40: bbc_rqc                0    0    0    0    0    0    0
0
0x81c11c60: bbc_rqc                0    0    0    0    0    0    0
0
0x81c11c80: bbc_rqc                0    0    0    0    0    0    0
0
0x81c11d00: bbc_fbpc               00000000    0x81c11d04: bbc_csc
00000000
0x81c11d08: bbc_rcc_inc            00000000    0x81c11d0c:
bbc_rqc_inc             00000000
0x81c11d10: bbc_fbpc_inc           00000000    0x81c11d14:
bbc_tmc_inc             00000000
0x81c11d18: bbc_threshold          00080100    0x81c11d1c:
bbc_counter_clr         00000000
0x81c11d20: bbc_debug_en           00000000    0x81c11d24: bbc_ctrl
00200020
0x81c11d28: bbc_rqc_rcc_thresh     00000055    0x81c11d34:
bbc_bb_sc_n             00000000
0x81c11d38: bbc_crd_reco_debug     00000000    0x81c11d3c:
bbc_crd_reco_debug_data 00000000
0x81c11d40: bbc_multi_frm_loss_cnt  00000000    0x81c11d44:
bbc_multi_rdy_loss_cnt  00000000
0x81c11d48: bbc_1frm_loss_recov_cnt 00000000    0x81c11d4c:
bbc_1rdy_loss_recov_cnt 00000000
0x81c11d58: bbc_int_status         00000000    0x81c11d5c:
bbc_int_set             00000000
0x81c11d60: bbc_int_first          00000000    0x81c11d64:
bbc_frm_rdy_rx_err_addr 00000000
0x81c11d68: bbc_frm_rdy_tx_err_addr 00000000    0x81c11d6c:
bbc_trc_mbc_err_addr    00000000
0x81c11d70: bbc_frm_rdy_rx_dbl_ecc  00000000    0x81c11d74:
bbc_frm_rdy_tx_dbl_ecc  00000000
0x81c11d78: bbc_trc_mbc_dbl_ecc     00000000
0x81c11d7c: bbc_fsm_status         00001011    0x81c11d80:
bbc_force_err           00000000
0x81c11d84: bbc_crdt_avail0        ffffffff    0x81c11d88:
```

```
bbc_crdt_avail1         000000ff
0x81c11d8c: bbc_scratch             00000000

FPS registers
=============
0x81c10004: fps_er_enc_in           00000000    0x81c10008:
fps_er_crc              00000000
0x81c1000c: fps_er_trunc            00000000    0x81c10010:
fps_er_toolong          00000000
0x81c10014: fps_er_bad_eof          00000000    0x81c10018:
fps_er_enc_out          00000000
0x81c1001c: fps_er_bad_os           00000000    0x81c10020:
fps_er_flush            00000000
0x81c10024: fps_er_ifg              00000000    0x81c10038:
fps_er_crc_good_eof     00000000
0x81c1003c: fps_inv_arb             00000000    0x81c10040:
fps_slow_sts_status     00000000
0x81c10044: fps_tx_frm_cnt          00000000    0x81c10048:
fps_rx_frm_cnt          00000000
0x81c10050: fps_tx_word_cnt_hi      00000000    0x81c1004c:
fps_tx_word_cnt_lo      00000000
0x81c10058: fps_rx_word_cnt_hi      00000000    0x81c10054:
fps_rx_word_cnt_lo      00000000

BAL registers
=============
0x81c17000: bal_desired_buf         00000000    0x81c17004:
bal_alloc_buf           00000000
0x81c17008: bal_busy_buf            00000000    0x81c1700c:
bal_usable_buf          00000000
0x81c17010: bal_max_bor_buf         00000000
0x81c17014: bal_busy_buf_thresh     00000002

TXQ registers
=============
0x81c13004: txq_phys_port_ctl       00420000
0x81c13050: txq_link_skew           00000000
0x81c13068: txq_cr_lk_dttn_intr_sts [00] 00000000 00000000
0x81c13070: txq_cr_lk_dttn_intr_en  [00] 00000000 00000000
0x81c13024: txq_disc_frm_trap_cnt   00000014

FDS registers
=============
0x81c14000: fds_rxf_ctl             00000002    0x81c14004:
fds_rxf_wait_thresh     00000909
0x81c14018: fds_rxf_first_error     00000000    0x81c1401c:
fds_rxf_first_error_info00000000
0x81c14020: fds_rxf_inout_pkt_cnt   00000000
0x81c14008: fds_rxf_err_int_status  00000000    0x81c14024:
fds_rxf_fifo_status     00888888
0x81c15000: fds_txf_ctl             0000003a    0x81c15004:
fds_txf_wait_ifg_thresh 00a00106
0x81c15008: fds_txf_err_int_status  00000000    0x81c15024:
fds_txf_fifo_status     00088888
```

```
0x81c1502c: fds_txf_bbc_scs         00000000

Logical TXQ registers
=====================
0x81c13000: txq_log_port_ctl        00000002    0x81c13008:
txq_port_status         00000000
0x81c1300c: txq_todo_flags          [00] 00000000 00000000
0x81c13014: txq_spd_match_desc      [00] 00000000 00000000 00000000
00000000
0x81c13024: txq_spd_match_desc      [04] 00000014
0x81c13028: txq_vc_weight           [00] 01010101 01010101 01010101
01010101
0x81c13038: txq_vc_weight           [04] 01010101 01010101 01010101
01010101
0x81c13048: txq_vc_weight           [08] 01010101 00010101
0x81c13054: txq_cong_dttn_ctrl      00000000
0x81c13058: txq_cong_dttn_intr_sts  [00] 00000000 00000000
0x81c13060: txq_cong_dttn_intr_en   [00] 00000000 00000000
0x81c13078: txq_bw_limit_en_reg     [00] 00000000 00000000
0x81c13080: txq_bw_gua_en_reg       [00] 00000000 00000000
0x81c13088: txq_vc_group            [00] 03030300 03030303 03030303
03030303
0x81c13098: txq_vc_group            [04] 03030303 03030303 03030303
03030303
0x81c130a8: txq_vc_group            [08] 03030303 03030303 00000000
00000000
0x81c130b0: txq_bw_thresh_group     [00] 00000000 00000000 00000000
00000000
0x81c130c0: txq_bw_thresh_group     [04] 00000000 00000000 00000000
00000000
0x81c130d0: txq_bw_thresh_group     [08] 00000000 00000000 00000000
00000000
0x81c130e0: txq_bw_thresh_group     [12] 00000000 00000000 00000000
00000000
0x81c130f0: txq_bw_thresh_group     [16] 00000000 00000000 00000000
00000000
0x81c13100: txq_bw_thresh_group     [20] 00000000 00000000 00000000
00000000
0x81c13110: txq_bw_thresh_group     [24] 00000000 00000000 00000000
00000000
0x81c13120: txq_bw_thresh_group     [28] 00000000 00000000 00000000
00000000
0x81c13130: txq_bw_thresh_group     [32] 00000000 00000000 00000000
00000000
0x81c13140: txq_bw_thresh_group     [36] 00000000 00000000 00000000
00000000

txq Congestion detection Statistics RAM
=======================================
0x81090140: vc[0]       00000000        0x81090144: vc[1]
00000000
0x81090148: vc[2]       00000000        0x8109014c: vc[3]
00000000
0x81090150: vc[4]       00000000        0x81090154: vc[5]
```

```
00000000
0x81090158: vc[6]       00000000        0x8109015c: vc[7]
00000000
0x81090160: vc[8]       00000000        0x81090164: vc[9]
00000000
0x81090168: vc[10]      00000000        0x8109016c: vc[11]
00000000
0x81090170: vc[12]      00000000        0x81090174: vc[13]
00000000
0x81090178: vc[14]      00000000        0x8109017c: vc[15]
00000000
0x81090180: vc[16]      00000000        0x81090184: vc[17]
00000000
0x81090188: vc[18]      00000000        0x8109018c: vc[19]
00000000
0x81090190: vc[20]      00000000        0x81090194: vc[21]
00000000
0x81090198: vc[22]      00000000        0x8109019c: vc[23]
00000000
0x810901a0: vc[24]      00000000        0x810901a4: vc[25]
00000000
0x810901a8: vc[26]      00000000        0x810901ac: vc[27]
00000000
0x810901b0: vc[28]      00000000        0x810901b4: vc[29]
00000000
0x810901b8: vc[30]      00000000        0x810901bc: vc[31]
00000000
0x810901c0: vc[32]      00000000        0x810901c4: vc[33]
00000000
0x810901c8: vc[34]      00000000        0x810901cc: vc[35]
00000000
0x810901d0: vc[36]      00000000        0x810901d4: vc[37]
00000000
0x810901d8: vc[38]      00000000        0x810901dc: vc[39]
00000000


Logical STS registers
=====================
0x81584204: sts_ftb_type1_miss      00000000
0x81584208: sts_ftb_type2_miss      00000000
0x8158420c: sts_ftb_type6_miss      00000000
0x81584210: sts_hard_zoning_miss    00000000
0x81584214: sts_lun_zoning_miss     00000000
0x8158421c: sts_unroutable          00000000
0x81581234: sts_rte_cl2             00000000    0x81581238:
sts_rte_cl3             00000000        0x8158123c: sts_rte_link_ctl
00000000        0x81584228: sts_tx_timeout          00000000

Logical STS filter registers
=====================
0x81584180: sts_flt_trig            [00] 00000000 00000000 00000000
00000000
0x81584190: sts_flt_trig            [04] 00000000 00000000 00000000
```

```
00000000
0x815841a0: sts_flt_trig            [08] 00000000 00000000 00000000
00000000
0x815841b0: sts_flt_trig            [12] 00000000 00000000 00000000
00000000
0x815841c0: sts_flt_trig            [16] 00000000 00000000 00000000
00000000
0x815841d0: sts_flt_trig            [20] 00000000 00000000 00000000
00000000
0x815841e0: sts_flt_trig            [24] 00000000 00000000 00000000
00000000
0x815841f0: sts_flt_trig            [28] 00000000 00000000 00000000
00000000
0x81584200: sts_flt_trig            [32]

Logical STS discard registers
=====================
0x815812e8: disc_mcast_wka          00000000    0x815812ec:
disc_inv_did            00000000
0x815812f0: disc_cl1_cl4            00000000    0x815812f4:
disc_sid_chk_fail       00000000
0x815812f8: disc_inv_dom_egid_txpt  00000000    0x815812fc:
disc_vft_hop_cnt_1      00000000
0x81581300: disc_classf             00000000    0x81581304:
disc_fcp_cdb_inv        00000000
0x81581308: disc_vfid_trap_enabled  00000000    0x8158130c:
disc_vfid_hdr_chk_fail  00000000
0x81581310: disc_shim_cksum_fail    00000000    0x81581314:
disc_fed_edit_cmd_err   00000000
0x81581318: disc_ftb_vm_mode        00000000    0x8158131c:
disc_ftb_agn_t2_miss    00000000
0x81581320: disc_ecb_reserved       00000000    0x81581324:
disc_ecb_de_pad_err     00000000
0x81581328: disc_ecb_de_tag_err     00000000    0x8158132c:
disc_ecb_de_seq_err     00000000
0x81581330: disc_ecb_err            00000000    0x81581334:
disc_ftb_type4_match    00000000
0x81581338: disc_fcp_rsp_ftb_type4  00000000    0x8158133c:
disc_ftb_type5_match    00000000
0x81581340: disc_ftb_type3_match    00000000    0x81581344:
disc_els_ftb_type3      00000000
0x81581348: disc_ftb_type1_match    00000000    0x8158134c:
disc_els_rsp_ex_port    00000000
0x81581350: disc_inv_drp_dps        00000000    0x81581354:
disc_did_lookup_miss    00000000
0x81581358: disc_ftb_type2_match    00000000    0x8158135c:
disc_trpd_plogi_pdisc   00000000
0x81581360: disc_type2_lookup_miss  00000000    0x81581364:
disc_ftb_type6_match    00000000
0x81581368: disc_els_rep_ex_port    00000000    0x8158136c:
disc_els_sid_lkup_bit1  00000000
0x81581370: disc_els_sid_lkup_bit0  00000000    0x81581374:
disc_bls_frm_trap_bit1  00000000
0x81581378: disc_ftb_token_err      00000000    0x8158137c:
```

```
disc_asic_internal_err  00000000
0x81581380: disc_hard_zone_miss     00000000    0x81581384:
disc_lun_zone_miss      00000000
0x81581388: disc_flt_frame_disc     00000000    0x8158138c:
disc_flt_parity_err     00000000
0x81581390: disc_frame_marked_du    00000000    0x81581394:
disc_frame_marked_to    00000000
0x81581398: disc_lkup_rte_prty_err  00000000


portstatsshow 57
stat_wtx                0                   4-byte words transmitted
stat_wrx                0                   4-byte words received
stat_ftx                0                   Frames transmitted
stat_frx                0                   Frames received
stat_c2_frx             0                   Class 2 frames received
stat_c3_frx             0                   Class 3 frames received
stat_lc_rx              0                   Link control frames
received
stat_mc_rx              0                   Multicast frames
received
stat_mc_to              0                   Multicast timeouts
stat_mc_tx              0                   Multicast frames
transmitted
tim_txcrd_z             0                   Time TX Credit Zero
(2.5Us ticks)
tim_txcrd_z_vc  0- 3:  0           0           0           0
tim_txcrd_z_vc  4- 7:  0           0           0           0
tim_txcrd_z_vc  8-11:  0           0           0           0
tim_txcrd_z_vc 12-15:  0           0           0           0
lat_tot_pkt_vc  0- 3:  1           1           1           1
lat_tot_pkt_vc  4- 7:  1           1           1           1
lat_tot_pkt_vc  8-11:  1           1           1           1
lat_tot_pkt_vc 12-15:  1           1           1           1
lat_hi_time_vc  0- 3:  0           0           0           0
lat_hi_time_vc  4- 7:  0           0           0           0
lat_hi_time_vc  8-11:  0           0           0           0
lat_hi_time_vc 12-15:  0           0           0           0
lat_lo_time_vc  0- 3:  1           1           1           1
lat_lo_time_vc  4- 7:  1           1           1           1
lat_lo_time_vc  8-11:  1           1           1           1
lat_lo_time_vc 12-15:  1           1           1           1
max_latency_vc  0- 3:  1           1           1           1
max_latency_vc  4- 7:  1           1           1           1
max_latency_vc  8-11:  1           1           1           1
max_latency_vc 12-15:  1           1           1           1
latency_dma_ts          09-09-2024 UTC Mon 08:47:26            TXQ
Latency DMA TimeStamp
fec_cor_detected        0                   Count of blocks that
were corrected by FEC
fec_uncor_detected      0                   Count of blocks that
were left uncorrected by FEC
er_enc_in               0                   Encoding errors inside
of frames
```

```
er_crc                  0                   Frames with CRC errors
er_trunc                0                   Frames shorter than
minimum
er_toolong              0                   Frames longer than
maximum
er_bad_eof              0                   Frames with bad end-of-
frame
er_enc_out              0                   Encoding error outside
of frames
er_bad_os               0                   Invalid ordered set
er_pcs_blk              0                   PCS block errors
er_rx_c3_timeout        0                   Class 3 receive frames
discarded due to timeout
er_tx_c3_timeout        0                   Class 3 transmit frames
discarded due to timeout
er_unroutable           0                   Frames that are
unroutable
er_unreachable          0                   Frame with unreachable
destination
er_other_discard        0                   Other discards
er_type1_miss           0                   frames with FTB type 1
miss
er_type2_miss           0                   frames with FTB type 2
miss
er_type6_miss           0                   frames with FTB type 6
miss
er_zone_miss            0                   frames with hard zoning
miss
er_lun_zone_miss        0                   frames with LUN zoning
miss
er_crc_good_eof         0                   Crc error with good eof
er_inv_arb              0                   Invalid ARB
er_single_credit_loss   0                   Single vcrdy/frame loss
on link
er_multi_credit_loss    0                   Multiple vcrdy/frame
loss on link
other_credit_loss       0                   Link timeout/complete
credit loss
phy_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
phy_port stats clear
lgc_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
lgc_port stats clear
fec_corrected_rate      0                   FEC Corrected blocks per
second

portstats64show 57
stat64_wtx      0           top_int : 4-byte words transmitted
                0           bottom_int : 4-byte words transmitted
stat64_wrx      0           top_int : 4-byte words received
                0           bottom_int : 4-byte words received
stat64_ftx      0           top_int : Frames transmitted
                0           bottom_int : Frames transmitted
stat64_frx      0           top_int : Frames received
                0           bottom_int : Frames received
```

```
stat64_c2_frx   0           top_int : Class 2 frames received
                0           bottom_int : Class 2 frames received
stat64_c3_frx   0           top_int : Class 3 frames received
                0           bottom_int : Class 3 frames received
stat64_lc_rx    0           top_int : Link control frames received
                0           bottom_int : Link control frames
received
stat64_mc_rx    0           top_int : Multicast frames received
                0           bottom_int : Multicast frames received
stat64_mc_to    0           top_int : Multicast timeouts
                0           bottom_int : Multicast timeouts
stat64_mc_tx    0           top_int : Multicast frames transmitted
                0           bottom_int : Multicast frames
transmitted
tim64_rdy_pri   0           top_int : Time R_RDY high priority
                0           bottom_int : Time R_RDY high priority
tim64_txcrd_z   0           top_int : Time BB_credit zero
                0           bottom_int : Time BB_credit zero
er64_enc_in     0           top_int : Encoding errors inside of
frames
                0           bottom_int : Encoding errors inside of
frames
er64_crc        0           top_int : Frames with CRC errors
                0           bottom_int : Frames with CRC errors
er64_trunc      0           top_int : Frames shorter than minimum
                0           bottom_int : Frames shorter than minimum
er64_toolong    0           top_int : Frames longer than maximum
                0           bottom_int : Frames longer than maximum
er64_bad_eof    0           top_int : Frames with bad end-of-frame
                0           bottom_int : Frames with bad end-of-
frame
er64_enc_out    0           top_int : Encoding error outside of
frames
                0           bottom_int : Encoding error outside of
frames
er64_disc_c3    0           top_int : Class 3 frames discarded
                0           bottom_int : Class 3 frames discarded
er64_pcs_blk    0           top_int : PCS block errors
                0           bottom_int : PCS block errors
stat64_rateTxFrame      0           Tx frame rate (fr/sec)
stat64_rateRxFrame      0           Rx frame rate (fr/sec)
stat64_rateTxPeakFrame  0           Tx peak frame rate (fr/sec)
stat64_rateRxPeakFrame  0           Rx peak frame rate (fr/sec)
stat64_rateTxWord       0           Tx Word rate (words/sec)
stat64_rateRxWord       0           Rx Word rate (words/sec)
stat64_rateTxPeakWord   0           Tx peak Word rate (words/sec)
stat64_rateRxPeakWord   0           Rx peak Word rate (words/sec)
stat64_PRJTFrames       0           top_int : Number of PRJT frames
returned to this port
                        0           bottom_int : Number of PRJT
frames returned to this port
stat64_PBSYFrames       0           top_int : Number of PBSY frames
returned to this port
                        0           bottom_int : Number of PBSY
```

```
frames returned to this port
stat64_inputBuffersFull 0           top_int : Number of occurrences
when all input buffers full
                        0           bottom_int : Number of
occurrences when all input buffers full
stat64_rxClass1Frames   0           top_int : Number of class 1
frames received
                        0           bottom_int : Number of class 1
frames received
stat64_aveTxFrameSize   0           Average Tx Frame size
stat64_aveRxFrameSize   0           Average Rx Frame size
Lr_in           0           top_int
                0           bottom_int
Ols_in          0           top_int
                0           bottom_int
Lr_out          0           top_int
                0           bottom_int
Ols_out         0           top_int
                0           bottom_int
Link_failure    0           top_int
                0           bottom_int
Invalid_CRC     0           top_int
                0           bottom_int
Invalid_word    0           top_int
                0           bottom_int
Protocol_err    0           top_int
                0           bottom_int
Loss_of_sig     0           top_int
                0           bottom_int
Loss_of_sync    0           top_int
                0           bottom_int
er_bad_os       0           top_int : Invalid ordered set
                0           bottom_int: Invalid ordered set


portrouteshow 57
port address ID: 0x013900
external unicast routing table:
   0: Embedded
 255: Embedded
internal unicast routing table:
   0: Embedded

portcamshow 57
--------------------------------------------------
Port  SID used  DID used  SID entries  DID entries
57     0         0         000000       000000
--------------------------------------------------

ptbufshow, ptcreditshow, ptdatashow, ptstatsshow 57
S:
S:VF Enable:            1
S:
S:C4 Global Variable:
```

```
S:-------------------------------------------------------------------
---------
S:trace_stop:           0
S:
S:C4 Phy Data Pointers: c4_phyp = 0xb6ab4100
S:-------------------------------------------------------------------
---------
S:tnodep                        0xbb82d2a0      pt
        0x43028002
S:proto_phyp            0xb8806000      phy_cfg
0xb6ab5140
S:c4_chp                        0x97e28000      c4_lgcp
0x97f50000
S:c4_phy_regp           0x81c10000      proc_dir
0xb8512aa0
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4345678      num_port_timer          12
S:prev_if_id            0x43020002      S:ftx                   0
        tov                     0
S:initialized           0               port_idx                2
S:ui_idx                        57              slot_no
        0
S:blade_idx             2               sw_usr_ports            400
S:unused                        0               intr_debounced
        0
S:aec_status            0x0             reason_code
        0
S:debug                 0x00000004      debug_trc_line          0
S:rxbuf_list_head       0xffffffff      rxbuf_list_tail
0xffffffff
S:isAePort                      0               port_misc_data
                0
S:num_fault1_rx_disc    0               num_fault2_rx_disc      0
S:p_lli_cause0          0               p_sig_regained          0
S:p_sync_regained               0               enc_out
        0x0
S:cached_fps_status     0               cached_sts_status       0
S:cached_er_crc_good_eof        0
S:cached_er_bad_os      0               cached_er_too_long      0
S:cached_er_trunc       0
cached_tot_er_crc_good_eof      0
S:num_pt_excess_intr    0               num_no_fid              0
S:num_fault1_cnt                0               num_fault2_cnt
        0
S:num_fault_lip         0               num_fault_lli           0
S:num_fault_rx_fifo     0               num_fault_hss           0
S:num_fault_bwait               0               lli_intr_prim
        0
S:num_sw_link_to                0
be_link_err_mon_count           0
S:ecb_enc_enabled               0               ecb_comp_enabled
                0
S:ecb_rsv_enc           0               ecb_rsv_comp            0
```

```
S:ecb_enc_bm            0x0             ecb_key_index
0xffffffff
S:fab_idx               4
S:num_be_lto            0               lto_count_reset_intvl
        0
S:lr_count_reset_intvl          0               num_be_lr
        0
S:num_fault_qsfp                0               check_lto
        0
S:credit_loaded         0               num_credit_overrun
        0
S:fec_enabled           0x0             fec_los_to_flag         0x0
S:phy_stats_clear_ts            1725611419      pcs_err_online
        0
S:pcs_err_light_det             0               pcs_err_ignore
        0
S:pcs_blk_err           0               pcs_hiber               0
S:phy_port_status               0               ecb_enc_lr_count
                0
S:dport_mode            0               avoid_lto_det           0
S:sn_debounced          0x0             sn_started_kr_reqd      0
S:major_timer_started   0x0             ready_bm                0x0
S:parln_1_bm            0x0             parln_0_bm              0x0
S:be_los_of_sync_event_intvl            0
be_los_of_sync_event            0
S:erratePtenable_cntr           0               errataPoll_cntr
        0
S:jda_rx_sig_loss_det           0               jda_rx_sig_loss_cnt
                0
S:encrypt_blk_error             0
S:
S:      c4_trunk
S:=====================================
S:mark_ts               0x0             deskew                  0x0
S:master_phyp           0x0
S:
S:adelay[00]: 0x00000000 0x00000000 0x00000000 0x00000000
S:adelay[04]: 0x00000000 0x00000000 0x00000000 0x00000000
S:
S:      c4_buf
S:=====================================
S:tx_csc                        0               rx_csc
        0
S:ld_vc_credits         0               tx_flag                 0x0
S:alloc_buffers         0               req_buffers             0
S:est_buffers           20              ld_use_est              0
S:bb_sc_n                       0               rx_bb_sc_n
        0
S:data_cr                       5               nondata_cr
        6
S:cr_enable             0
S:ld_nondata_cr         6               tnodep
0xbb82d380
S:tx_credits[0] 0    0    0    0    0    0    0    0
```

```
S:tx_credits[8] 0    0    0    0    0    0    0    0
S:tx_credits[16]        0    0    0    0    0    0    0    0
S:tx_credits[24]        0    0    0    0    0    0    0    0
S:tx_credits[32]        0    0    0    0    0    0    0    0
S:rx_credits[0] 0    0    0    0    0    0    0    0
S:rx_credits[8] 0    0    0    0    0    0    0    0
S:rx_credits[16]        0    0    0    0    0    0    0    0
S:rx_credits[24]        0    0    0    0    0    0    0    0
S:rx_credits[32]        0    0    0    0    0    0    0    0
S:tx_mbc[0]     0    0    0    0    0    0    0    0
S:tx_mbc[8]     0    0    0    0    0    0    0    0
S:tx_mbc[16]    0    0    0    0    0    0    0    0
S:tx_mbc[24]    0    0    0    0    0    0    0    0
S:tx_mbc[32]    0    0    0    0    0    0    0    0
S:rx_mbc[0]     0    0    0    0    0    0    0    0
S:rx_mbc[8]     0    0    0    0    0    0    0    0
S:rx_mbc[16]    0    0    0    0    0    0    0    0
S:rx_mbc[24]    0    0    0    0    0    0    0    0
S:rx_mbc[32]    0    0    0    0    0    0    0    0
S:
S:C4 Chip Variables: c4_phyp->c4_chp = 0x97e28000
S:-----------------------------------------------------------------
---------
S:version = 2.1
S:magic_id              0xc4234567      init_state              0x8
S:reset_reg_mem         0x1
S:ch_int0_en_bm         0x0             intr0_cause             0x0
S:ch_int1_en_bm         0x0             intr1_cause             0x0
S:ch_int2_en_bm         0x0             intr2_cause             0x0
S:ch                    0x43010080      ch_cfg
0xb7013ba0
S:raslog_hndl.hndl      0x0             obj_halted              0x0
S:c4_chip_regp          0x80000000      c4_fpg_regp
0x81800000
S:num_chip_timer        0x5
S:hi_task_bm            0x0             lo_task_bm              0x0
S:c4_deferq.q_head      0x0             c4_deferq.q_tail        0x0
S:c4_tmrq.q_head        0x0             c4_tmrq.q_tail          0x0
slot_no                 0
S:chip_inst             0               chip_idx                0
S:pll_initialized               1
pll_serdes_initialized  1
S:init_tries            0               init_ptEnableBM
0xba01b488
S:tick_polling          0xb980c9c0      sec_polling
0xb980c960
S:bb_fid                        129
S:ecb_key_bm[0]         0x0             ecb_key_bm[1]           0x0
S:ecb_key_bm[2]         0x0             ecb_key_bm[3]           0x0
S:is_chip_enc_enabled                   0
is_chip_comp_enabled    0x0
S:ftb_rsrcp->ftb_flags  0x0             act_rsrcp->act_flag     0x1
S:lue_rsrcp->lue_flags[0]       0x0             lue_rsrcp-
>lue_flags[1]   0x0
```

```
S:c4_phyp[00]: 0xb6ab0000 0xb6ab2080 0xb6ab4100 0xb6ab6180
S:c4_phyp[04]: 0xb6ab9040 0xb6abb0c0 0xb6abd140 0xb6ac0000
S:c4_phyp[08]: 0xb6ac2080 0xb6ac4100 0xb6ac6180 0xb6ac9040
S:c4_phyp[12]: 0xb6acb0c0 0xb6acd140 0xb6ad0000 0xb6ad2080
S:c4_phyp[16]: 0xb6ad4100 0xb6ad6180 0xb6ad9040 0xb6adb0c0
S:c4_phyp[20]: 0xb6add140 0xb6ae0000 0xb6ae2080 0xb6ae4100
S:c4_phyp[24]: 0xb6ae6180 0xb6ae9040 0xb6aeb0c0 0xb6aed140
S:c4_phyp[28]: 0xb6af0000 0xb6af2080 0xb6af4100 0xb6af6180
S:c4_phyp[32]: 0xb6af9040 0xb6afb0c0 0xb6afd140 0xb6b00000
S:c4_phyp[36]: 0xb6b02080 0xb6b04100 0xb6b06180 0xb6b09040
S:c4_phyp[40]: 0xb6b0b0c0 0xb6b0d140 0xb6b10000 0xb6b12080
S:c4_phyp[44]: 0xb6b14100 0xb6b16180 0xb6b19040 0xb6b1b0c0
S:c4_phyp[48]: 0xb6b1d140 0xb6b20000 0xb6b22080 0xb6b24100
S:c4_phyp[52]: 0xb6b26180 0xb6b29040 0xb6b2b0c0 0xb6b2d140
S:c4_phyp[56]: 0xb6b30000 0xb6b32080 0xb6b34100 0xb6b36180
S:c4_phyp[60]: 0xb6b39040 0xb6b3b0c0 0xb6b3d140 0xb6b40000
S:c4_lgcp[00]: 0x97f48000 0x97f4c000 0x97f50000 0x97f54000
S:c4_lgcp[04]: 0x97f58000 0x97f5c000 0x97f60000 0x97f64000
S:c4_lgcp[08]: 0x97f68000 0x97f6c000 0x97f70000 0x97f74000
S:c4_lgcp[12]: 0x97f78000 0x97f7c000 0x97f80000 0x97f84000
S:c4_lgcp[16]: 0x97f88000 0x97f8c000 0x97f90000 0x97f94000
S:c4_lgcp[20]: 0x97f98000 0x97f9c000 0x97fa0000 0x97fa4000
S:c4_lgcp[24]: 0x97fa8000 0x97fac000 0x97fb0000 0x97fb4000
S:c4_lgcp[28]: 0x97fb8000 0x97fbc000 0x97fc0000 0x97fc4000
S:c4_lgcp[32]: 0x97fc8000 0x97fcc000 0x97fd0000 0x97fd4000
S:c4_lgcp[36]: 0x97fd8000 0x97fdc000 0x97fe0000 0x97fe4000
S:c4_lgcp[40]: 0x97fe8000 0x97fec000 0x97ff0000 0x97ff4000
S:c4_lgcp[44]: 0x97ff8000 0x97ffc000 0x8e000000 0x8e004000
S:c4_lgcp[48]: 0x8e008000 0x8e00c000 0x8e010000 0x8e014000
S:c4_lgcp[52]: 0x8e018000 0x8e01c000 0x8e020000 0x8e024000
S:c4_lgcp[56]: 0x8e028000 0x8e02c000 0x8e030000 0x8e034000
S:c4_lgcp[60]: 0x8e038000 0x8e03c000 0x8e040000 0x8e044000
S:chip_timers[00]: 0xb980c720 0xb980c780 0xb980c7e0 0xb980c840
S:chip_timers[04]: 0xb980c8a0 0xb980c900
S:disc_trap_enable_required     0x0             rxlp_disc_log_stop
        0x0
S:curr_rxlp_frm_cnt     0x0             curr_rxlp_disc_frm_cnt  0x0
S:sw_disc_frm_cnt       0x0             last_disc_frm_cnt       0x0
S:txq_nopop_pr_cnt      0x0             pollErrataDfe_ptBM
0xba01b4b0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][0]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][1]  0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][2]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][0] 0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][1]       0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][2] 0x0
S:
S:C4 Logical Port Variables
S:-----------------------------------------------------------------
---------
S:c4_lgc_regp           0x81c10000
S:c4_phyp:
S:      0xb6ab4100      0x0             0x0             0x0
```

```
S:      0x0             0x0             0x0             0x0

S:master_phyp           0xb6ab4100      if_id
0x43020002
S:min_phyp              0x0             max_phyp                0x0
S:num_phy_ports         1               lgc_num                 2
S:num_iu_to             0               sw_txq_bm
        0
S:port_fid              129             unused                  0
S:port_group            0               lgc_stats_clear_ts
                1725611419
S:domain_tbl_sel                0               area_tbl_sel
        0
S:egid_tbl_sel          0
S:serv_lo_bm            0x0
S:
S:Proto Phy Variables:
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4123456      asic_phyp
0xb6ab4100
S:port_id                       0x43028002      phy_cfg
        0xb6ab5140
S:upsm_hdl              0xb800f960      physm_hdl
0xb800f6e0
S:ov_snsm_hdl           0xb800f5a0      sw_snsm_hdl
0xb800f640
S:ov_lksm_hdl           0xb800f780      sw_lksm_hdl
0xb800f820
S:trksm_hdl             0xb800f8c0      lr_flag         0x0
S:lr_active             0x0             qsfp_txrx_rate_sel
        0x0
S:
S:UPSM      UP00: UPST_PORT_DISABLED    --> UP00: UPST_PORT_DISABLED
S:SNSM(OV)  SN00: OV_SNST_STOPPED       --> SN00: OV_SNST_STOPPED
S:SNSM(SW)  SW00: SW_SNST_STAGE_WS      --> SW00: SW_SNST_STAGE_WS
S:PHYSM     PP00: PHYST_STOPPED         --> PP00: PHYST_STOPPED
S:LKSM(OV)  LK00: OV_LKST_INACTIVE      --> LK00: OV_LKST_INACTIVE
S:LKSM(SW)  SW13: INACTIVE              --> SW13: INACTIVE
S:TRKSM     TRK0: TRKST_INIT            --> TRK0: TRKST_INIT
S:
S:physm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8806000      physm_hdl
0xb800f6e0
S:force_offline         0               copper                  0
S:fault_reason          0: UNKNOWN
S:phy_media_present             0
S:
S:snsm variables:
S:-------------------------------------------------------------------
---------
S:speed                 0xff            proto_phyp
```

```
0xb8806000
S:hw_sn_tries_left      0x0             sw_sn_tries_left        0x0
S:curr_txsp_count               0x0
S:tx_max                        0x0             curr_tx_indx
        0x0
S:curr_tx                       0x0             curr_rxsp_count
        0x0
S:rx_max                        0x0             curr_rx_indx
        0x0
S:curr_rx                       0x0             rx_mem
        0x0
S:rxsp_rec_count                0x0
S:nc_start              0x0             tx_start                0x0
S:sync_start            0x0             sync_present            0x0
S:diag_auto             0x0             diag_speed              0xff
S:striped_wd_tov                3000            hw_wd_tov
        3000
S:step                  0x0             qsfp28_speed_mode
        0x0
S:qsfp_mode0_hw_sn_tries_left           0x0
S:qsfp_mode1_hw_sn_tries_left           0x0
S:
S:lksm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8806000      ov_lksm_hdl
0xb800f780
sw_lksm_hdl             0xb800f820
num_lf1                 0
S:hw_link_tries_left    0               sw_link_tries_left      0
S:buf_ptype             0x0             stored_entry_state      0x6
S:handshake_owner               0x0             mark_unsent
        0x0
S:busybuf_stuck         0x0             lr_wait                 0x0
S:
S:trksm variables:
S:-------------------------------------------------------------------
---------
S:Not a trunk port
S:
S:upsm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8806000      upsm_hdl
0xb800f960
S:bb_credits            0               port_beacon             0
S:port_diag_flag                0               force_offline
        0
S:port_fault_rsn                0: PORT_NO_FAULT
S:retry_init_rsn                0: UNKNOWN
S:linit_reason          0               linit_result            0
S:ie_fctl_mode          0               fec_in_sync_tries_left  0
S:retry_sn_fail_init    0
retry_link_fail_init    0
```

```
S:excess_lr_count       0
S:
S:c4_ch_cfg
S:-------------------------------------------------------------------
---------
S:c4_desc_ring_size     256      292      256      256      292
292      2        292      292
S:thresh_def            0        16       1        0
S:intr_tries            500             cmem_pattern
0xdeadbeef
S:cmem_pattern_upwd     2               cmem_init_time          16
S:cmem_init_tries               5
S:ctrl_par_thresh               2               data_par_thresh
        4
S:cam_par_thresh                4               buf_loss_thresh
        12
S:crit_par_thresh               2               non_crit_par_thresh
        6
S:pci_abort_thresh      10              pci_err_thresh          5
S:excess_chintr_thresh  8               sw_err_thresh           20
S:err_sample_period     300             intr_sleep
20000
S:frame_timeout 2500            proxy_dev               16384
S:vf_route      81920           qos             2048
S:stats 2048            f_redirect              2048
S:rsp_trap      2048            lun_zoning              20480
S:area_mode     0               ftb_max_loop[0]         0
S:ftb_max_loop[1]       6               ftb_max_loop[2]         9
S:ftb_max_loop[3]       10              ftb_max_loop[4]         10
S:ftb_max_loop[5]       5               ftb_max_loop[6]         6
S:ftb_seg_size[0]       0               ftb_seg_size[1]
16384
S:ftb_seg_size[2]       65536           ftb_seg_size[3]
16384
S:ftb_seg_size[4]       16384           ftb_seg_size[5]
65536
S:ftb_seg_size[6]       16384           ftb_seg_base[0]         0
S:ftb_seg_base[1]       0               ftb_seg_base[2]
65536
S:ftb_seg_base[3]       16384           ftb_seg_base[4]
32768
S:ftb_seg_base[5]       131072          ftb_seg_base[6]
49152
asic_err_monitor_period1                300
asic_err_monitor_period2                86400
zone_chk_to_poll_period 25
zone_chk_class2_reject_tov              220
S:
S:c4_phy_cfg
S:-------------------------------------------------------------------
---------
S:version = 2.1
S:pt                    0x43028002      fab_ptr
0x9a800000
```

```
S:fabattr                       0x9a8000d4      fab_iop
        0x9a800050
S:cfgbm                 0xbb82d0e4      port_ctrl
0xb6ab5158
S:pcap.pcap_bm          0x8d215547      pcap.pcap2_bm
0x2588289
S:pcap.pcap3_bm         0x1bebe0c
ui_idx                  57              S:slot_no
        0
is_icl                  0               S:sw_usr_ports          400
S:neg_speed             0 0 0 0 0 0
S:my_domain             0x1             port_mode               0x0
S:hw_sn_maxtries                100             sw_sn_maxtries
        0
S:hw_link_maxtries      10              sw_link_maxtries        5
S:rx_cyc_tov            28              rttov                   300
S:bufrdy_tov            300             busybuf_tov             286
S:mark_tov              300             lksm_tov                3000
S:buf_dealloc_wait      4               hw_wd_tov               3000
S:hw_lk_train_tov               540             hw_lk_test_tov
        150
S:syswait_tx_12_lips    1               lip_rx_tov              55
S:al_time_tov           15              lp_tov                  2000
S:intr_tries_port               500             intr_mod_debounce
        250
S:intr_lsr_flt_debounce 500             intr_efifo_debounce     100
S:port_no_fid           3               excess_ptintr_thresh    8
S:port_fault1_thresh    100             port_fault1_spur_thresh 250
S:port_fault1_disc_thresh       500
port_fault1_disc_spur_thresh    1000
S:port_fault2_thresh    5               losync_tov              100
S:port_sw_link_to               15              en_8g_scramble
        1
frc_hw_sn_mode          0x1
S:enc_poll_thresh               0               fec_enable
        0
S:fec_in_sync_to                50              fec_in_sync_try_max
        4
S:port_be_lto_threshold         100             port_be_lr_threshold
                2
S:be_cr_in_sync_to              5
port_credit_overrun_thresh              10
S:jda_sfp_losig_tov             400
jda_sfp_losig_try_max           30
S:striped_wd_tov                3000
no_sync_debounce                1200
S:
S:      fab_iop
S:======================================
S:fab_iop->interop_mode 0x0             fab_iop->lab_mode       0x0
S:fab_iop->fl_bbc               0x0             fab_iop->fl_fan
        0x0
S:fab_iop->fl_cls               0x4             fab_iop->fl_rscn
        0x0
```

```
S:fab_iop->domain_id_offset     0x60            fab_iop-
>mcdt_fabric_mode       0x0
S:fab_iop->mcdt_default_zone            0x0             fab_iop-
>mcdt_safe_zone         0x0
S:
S:      port_ctrl
S:=======================================
S:port_ctrl.port_type   1               port_ctrl.port_grp      0
S:port_ctrl.port_number 57              port_ctrl.vc_mode       1
S:
S:      port_ctrl.lcap
S:=======================================
S:has_serdes            0               has_media               1
S:topology              1               skip_nego               0
S:skip_pnego            0               skip_init_event         0
S:en_shim                       0               speed_neg
        1
S:loop_back             0               num_speeds              5
S:fec_enable            0
S:
S:      port_ctrl.speed_list array
S:=======================================
S:speed_list[0].auto_neg  1     speed_list[0].lnk_speed  0x0000000a
S:speed_list[1].auto_neg  1     speed_list[1].lnk_speed  0x00000008
S:speed_list[2].auto_neg  1     speed_list[2].lnk_speed  0x00000006
S:speed_list[3].auto_neg  1     speed_list[3].lnk_speed  0x00000005
S:speed_list[4].auto_neg  1     speed_list[4].lnk_speed  0x00000003
S:speed_list[5].auto_neg  0     speed_list[5].lnk_speed  0x00000000
S:
S:      port_ctrl.cm
S:=======================================
S:port_ctrl.cm.num_vcs          8
S:port_ctrl.cm.min_bufs         8
S:port_ctrl.cm.cr_shar_bufs     0
S:port_ctrl.vc_alloc
S:port_ctrl.vc_alloc            2 0 1 1 1 1 1 1
S:port_ctrl.vc_alloc            0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.norm_vc_alloc
S:port_ctrl.norm_vc_alloc       4 0 5 5 5 5 1 1
S:port_ctrl.norm_vc_alloc       0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.cm.skip_bb_credit           0
S:port_ctrl.cm.use_shim_based_sublist           0
S:
S:      port_ctrl.serdes_set
S:=======================================
S:serdes_type           0x8
S:serdes_data_t.ibm_hss_serdes.tx_drive_power           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b_sign      0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_a           0x0
S:serdes_data_t.ibm_hss_serdes.rxeq                     0x0
S:
```

```
S:      cfgbm
S:======================================
S:old_distance          0x0             gport_lockdown          0x0
S:tport                 0x1             speed                   0x0
S:disable_eport         0x0             fcacc                   0x0
S:lport_lockdown                0x0             priv_lport_lockdown
        0x0
S:vcxlt_linit           0x0             delay_flogi             0x0
S:isl_interop           0x0             distance                0x0
S:BufStarvFlag          0x0             credit_sharing          0x0
S:lport_halfduplex      0x0             lport_fairness          0x0
S:soft_neg              0x0             asn_frc_hwretry         0x0
S:cr_recov              0x0             fport_buffers           0x0
S:export                        0x0             export_mode
        0x0
S:csctl_en              0x0             mirror_port             0x0
S:fault_delay           0x0             non_dfe                 0x0
S:fec_configured*(0=ENAB)       0               fec_tts
        0
S:port_persistently_disabled (permanently) 0 (0)
S:
S:      cfg property
S:======================================
S:priv_pcfg_bm          0x00000000      lgcl_pcfg_bm
0xbb82d124
S:fport_buffer          0x00000000
S:
S:
S:C4 Discard Cntrs: rxlp_stats = 0xb6ab44b0
S:-------------------------------------------------------------------
---------
S:disc_mcast_wka        0x0             disc_inv_did            0x0
S:disc_cl1_cl4          0x0             disc_sid_chk_fail       0x0
S:disc_inv_dom_egid_txpt        0x0             disc_vft_hop_cnt_1
        0x0
S:disc_classf           0x0             disc_fcp_cdb_inv        0x0
S:disc_vfid_trap_enabled        0x0
disc_vfid_hdr_chk_fail  0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_ftb_vm_mode      0x0             disc_ftb_agn_t2_miss    0x0
S:disc_ecb_de_pad_err   0x0             disc_ecb_de_tag_err     0x0
S:disc_ecb_de_seq_err   0x0             disc_ecb_err            0x0
S:disc_ftb_type4_match  0x0             disc_fcp_rsp_ftb_type4  0x0
S:disc_fcp_rsp_ftb_type4        0x0             disc_ftb_type5_match
        0x0
S:disc_ftb_type3_match  0x0             disc_els_ftb_type3      0x0
S:disc_ftb_type1_match  0x0             disc_els_rsp_ex_port    0x0
S:disc_inv_drp_dps      0x0             disc_did_lookup_miss    0x0
S:disc_ftb_type2_match  0x0             disc_trpd_plogi_pdisc   0x0
S:disc_type2_lookup_miss        0x0             disc_ftb_type6_match
        0x0
S:disc_els_rep_ex_port  0x0             disc_els_sid_lkup_bit1  0x0
S:disc_els_sid_lkup_bit0        0x0
```

```
disc_bls_frm_trap_bit1  0x0
S:disc_ftb_token_err    0x0             disc_asic_internal_err  0x0
S:disc_hard_zone_miss   0x0             disc_lun_zone_miss     0x0
S:disc_flt_frame_disc   0x0             disc_flt_parity_err    0x0
S:disc_frame_marked_du  0x0             disc_frame_marked_to   0x0
E:Connection type: FE
E:Port type: E_port
E:Trunk port: No
E:Configured Speed: AUTO_SPEED_NEGO
E:Max Capable Speed: 32G
E:Current SNSM Speed: UNDEFINED
E:Hardware TX Speed: 32G (0x00000004)
E:Hardware RX Speed: 32G (0x00000040)
E:
E:Interrupts:   0           Link_failure:       0
Loss_of_sync:   0           Loss_of_sig:        0
E:Lli:          0           Invalid_word:       0
E:trapped_frm:  0           fwd_status_ok:      0
E:fwd_timeout:  0           fwd_tx_unavail:     0
E:fwd_unroutable:       0           fwd_zone_out:       0
E:fwd_other_err:        0           frm_err_discard:    0
E:Fltr listA:   0           Fltr listB:         0
E:Zone trap fwd:        0           Zone trap disc:     0
E:shim_csum:    0           RTE_perr:           0
E:Invalid_crc:  0           Delim_err:          0
E:Protocol_err: 0
E:Lr_in:        0           Lr_out:             0
E:Ols_in:       0           Ols_out:            0


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                FILTER DATA
                -----------
Shadow settings:
   Filter Enable: 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
```

```
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass: 0x00000000
Real settings:
   Enable RAM: 0x00000000, 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass RAM: 0x00000000

Shadowed filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
```

```
        c4_fldenable[0] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[0] = 0x00000000,c4_fltr_config[0] = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        c4_fldenable[1] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[1] = 0x00000000,c4_fltr_config[1] = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        c4_fldenable[2] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[2] = 0x00000000,c4_fltr_config[2] = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        c4_fldenable[3] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[3] = 0x00000000,c4_fltr_config[3] = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        c4_fldenable[4] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[4] = 0x00000000,c4_fltr_config[4] = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        c4_fldenable[5] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[5] = 0x00000000,c4_fltr_config[5] = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        c4_fldenable[6] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[6] = 0x00000000,c4_fltr_config[6] = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        c4_fldenable[7] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[7] = 0x00000000,c4_fltr_config[7] = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        c4_fldenable[8] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[8] = 0x00000000,c4_fltr_config[8] = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        c4_fldenable[9] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[9] = 0x00000000,c4_fltr_config[9] = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        c4_fldenable[10] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[10] = 0x00000000,c4_fltr_config[10] =
0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        c4_fldenable[11] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[11] = 0x00000000,c4_fltr_config[11] =
0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        c4_fldenable[12] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[12] = 0x00000000,c4_fltr_config[12] =
0x00000000
```

```
Filter 13: Not Installed (UNUSED)(LISTA)
        c4_fldenable[13] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[13] = 0x00000000,c4_fltr_config[13] =
0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        c4_fldenable[14] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[14] = 0x00000000,c4_fltr_config[14] =
0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        c4_fldenable[15] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[15] = 0x00000000,c4_fltr_config[15] =
0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        c4_fldenable[16] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[16] = 0x00000000,c4_fltr_config[16] =
0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        c4_fldenable[17] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[17] = 0x00000000,c4_fltr_config[17] =
0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        c4_fldenable[18] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[18] = 0x00000000,c4_fltr_config[18] =
0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        c4_fldenable[19] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[19] = 0x00000000,c4_fltr_config[19] =
0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        c4_fldenable[20] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[20] = 0x00000000,c4_fltr_config[20] =
0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        c4_fldenable[21] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[21] = 0x00000000,c4_fltr_config[21] =
0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        c4_fldenable[22] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[22] = 0x00000000,c4_fltr_config[22] =
0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        c4_fldenable[23] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[23] = 0x00000000,c4_fltr_config[23] =
```

```
0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        c4_fldenable[24] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[24] = 0x00000000,c4_fltr_config[24] =
0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        c4_fldenable[25] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[25] = 0x00000000,c4_fltr_config[25] =
0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        c4_fldenable[26] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[26] = 0x00000000,c4_fltr_config[26] =
0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        c4_fldenable[27] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[27] = 0x00000000,c4_fltr_config[27] =
0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        c4_fldenable[28] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[28] = 0x00000000,c4_fltr_config[28] =
0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        c4_fldenable[29] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[29] = 0x00000000,c4_fltr_config[29] =
0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        c4_fldenable[30] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[30] = 0x00000000,c4_fltr_config[30] =
0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        c4_fldenable[31] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[31] = 0x00000000,c4_fltr_config[31] =
0x00000000


Real filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
```

```
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
```

```
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
```

```
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000

Filter dirty indicator: 0x00000000
Performance filters: 0
Port Mirror filters: 0 (0x0)


               FIELD DATA
               ----------

Shadowed fields:

fldoffset[0] = 0x00,fldmask[0] = 0x00,fldvalue_dyna[0]:0x00 0x00
0x00 0x00
fldcontrol[0].inuse = 0x0  fldcontrol[0].refcnt = 0x00 0x00 0x00
0x00
fldoffset[1] = 0x00,fldmask[1] = 0x00,fldvalue_dyna[1]:0x00 0x00
0x00 0x00
fldcontrol[1].inuse = 0x0  fldcontrol[1].refcnt = 0x00 0x00 0x00
0x00
fldoffset[2] = 0x00,fldmask[2] = 0x00,fldvalue_dyna[2]:0x00 0x00
0x00 0x00
fldcontrol[2].inuse = 0x0  fldcontrol[2].refcnt = 0x00 0x00 0x00
0x00
fldoffset[3] = 0x00,fldmask[3] = 0x00,fldvalue_dyna[3]:0x00 0x00
0x00 0x00
fldcontrol[3].inuse = 0x0  fldcontrol[3].refcnt = 0x00 0x00 0x00
0x00
fldoffset[4] = 0x00,fldmask[4] = 0x00,fldvalue_dyna[4]:0x00 0x00
0x00 0x00
fldcontrol[4].inuse = 0x0  fldcontrol[4].refcnt = 0x00 0x00 0x00
0x00
fldoffset[5] = 0x00,fldmask[5] = 0x00,fldvalue_dyna[5]:0x00 0x00
0x00 0x00
fldcontrol[5].inuse = 0x0  fldcontrol[5].refcnt = 0x00 0x00 0x00
0x00
fldoffset[6] = 0x00,fldmask[6] = 0x00,fldvalue_dyna[6]:0x00 0x00
0x00 0x00
fldcontrol[6].inuse = 0x0  fldcontrol[6].refcnt = 0x00 0x00 0x00
0x00
fldoffset[7] = 0x00,fldmask[7] = 0x00,fldvalue_dyna[7]:0x00 0x00
0x00 0x00
fldcontrol[7].inuse = 0x0  fldcontrol[7].refcnt = 0x00 0x00 0x00
0x00
```

```
fldoffset[8] = 0x00,fldmask[8] = 0x00,fldvalue_dyna[8]:0x00 0x00
0x00 0x00
fldcontrol[8].inuse = 0x0  fldcontrol[8].refcnt = 0x00 0x00 0x00
0x00
fldoffset[9] = 0x00,fldmask[9] = 0x00,fldvalue_dyna[9]:0x00 0x00
0x00 0x00
fldcontrol[9].inuse = 0x0  fldcontrol[9].refcnt = 0x00 0x00 0x00
0x00
fldoffset[10] = 0x00,fldmask[10] = 0x00,fldvalue_dyna[10]:0x00 0x00
0x00 0x00
fldcontrol[10].inuse = 0x0  fldcontrol[10].refcnt = 0x00 0x00 0x00
0x00
fldoffset[11] = 0x00,fldmask[11] = 0x00,fldvalue_dyna[11]:0x00 0x00
0x00 0x00
fldcontrol[11].inuse = 0x0  fldcontrol[11].refcnt = 0x00 0x00 0x00
0x00
fldoffset[12] = 0x00,fldmask[12] = 0x00,fldvalue_dyna[12]:0x00 0x00
0x00 0x00
fldcontrol[12].inuse = 0x0  fldcontrol[12].refcnt = 0x00 0x00 0x00
0x00
fldoffset[13] = 0x00,fldmask[13] = 0x00,fldvalue_dyna[13]:0x00 0x00
0x00 0x00
fldcontrol[13].inuse = 0x0  fldcontrol[13].refcnt = 0x00 0x00 0x00
0x00
fldoffset[14] = 0x00,fldmask[14] = 0x00,fldvalue_dyna[14]:0x00 0x00
0x00 0x00
fldcontrol[14].inuse = 0x0  fldcontrol[14].refcnt = 0x00 0x00 0x00
0x00
fldoffset[15] = 0x00,fldmask[15] = 0x00,fldvalue_dyna[15]:0x00 0x00
0x00 0x00
fldcontrol[15].inuse = 0x0  fldcontrol[15].refcnt = 0x00 0x00 0x00
0x00
fldoffset[16] = 0x00,fldmask[16] = 0x00,fldvalue_dyna[16]:0x00 0x00
0x00 0x00
fldcontrol[16].inuse = 0x0  fldcontrol[16].refcnt = 0x00 0x00 0x00
0x00
fldoffset[17] = 0x00,fldmask[17] = 0x00,fldvalue_dyna[17]:0x00 0x00
0x00 0x00
fldcontrol[17].inuse = 0x0  fldcontrol[17].refcnt = 0x00 0x00 0x00
0x00
fldoffset[18] = 0x00,fldmask[18] = 0x00,fldvalue_dyna[18]:0x00 0x00
0x00 0x00
fldcontrol[18].inuse = 0x0  fldcontrol[18].refcnt = 0x00 0x00 0x00
0x00
fldoffset[19] = 0x00,fldmask[19] = 0x00,fldvalue_dyna[19]:0x00 0x00
0x00 0x00
fldcontrol[19].inuse = 0x0  fldcontrol[19].refcnt = 0x00 0x00 0x00
0x00

Real fields:

fldoffset RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fldmask RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
```

```
0x00000000
fld value4 RAM:
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
Field dirty indicator: 0x00000000

FDB reference count fdb: 0 [0 0 0 0 ]
FDB reference count fdb: 1 [0 0 0 0 ]
FDB reference count fdb: 2 [0 0 0 0 ]
FDB reference count fdb: 3 [0 0 0 0 ]
FDB reference count fdb: 4 [0 0 0 0 ]
FDB reference count fdb: 5 [0 0 0 0 ]
FDB reference count fdb: 6 [0 0 0 0 ]
FDB reference count fdb: 7 [0 0 0 0 ]
FDB reference count fdb: 8 [0 0 0 0 ]
FDB reference count fdb: 9 [0 0 0 0 ]
FDB reference count fdb: 10 [0 0 0 0 ]
FDB reference count fdb: 11 [0 0 0 0 ]
FDB reference count fdb: 12 [0 0 0 0 ]
FDB reference count fdb: 13 [0 0 0 0 ]
FDB reference count fdb: 14 [0 0 0 0 ]
FDB reference count fdb: 15 [0 0 0 0 ]
FDB reference count fdb: 16 [0 0 0 0 ]
FDB reference count fdb: 17 [0 0 0 0 ]
FDB reference count fdb: 18 [0 0 0 0 ]
FDB reference count fdb: 19 [0 0 0 0 ]

Filter counters:
   Filter counter 0: 0  (MIRROR1)
   Filter counter 1: 0  (MIRROR2)
   Filter counter 2: 0  (MIRROR3)
   Filter counter 3: 0  (MIRROR4)
   Filter counter 4: 0  (AEPORT_NON_MIRR_DROP)
   Filter counter 5: 0  (ZONING TRAP)
   Filter counter 6: 0  (FCR_EXPORT_DC)
   Filter counter 7: 0  (TIN TRAP)
```

```
   Filter counter 8: 0  (FICON CUP)
   Filter counter 9: 0  (FICON CUP DST)
   Filter counter 10: 0 (WELL KNOWN ADDR)
   Filter counter 11: 0 (SIM)
   Filter counter 12: 0 (UNUSED)
   Filter counter 13: 0 (UNUSED)
   Filter counter 14: 0 (UNUSED)
   Filter counter 15: 0 (UNUSED)
   Filter counter 16: 0 (PERF1)
   Filter counter 17: 0 (PERF2)
   Filter counter 18: 0 (PERF3)
   Filter counter 19: 0 (PERF4)
   Filter counter 20: 0 (PERF5)
   Filter counter 21: 0 (PERF6)
   Filter counter 22: 0 (PERF7)
   Filter counter 23: 0 (PERF8)
   Filter counter 24: 0 (PERF9)
   Filter counter 25: 0 (PERF10)
   Filter counter 26: 0 (PERF11)
   Filter counter 27: 0 (PERF12)
   Filter counter 28: 0 (OPM1)
   Filter counter 29: 0 (OPM2)
   Filter counter 30: 0 (IPM1)
   Filter counter 31: 0 (IPM2)

               ACL DATA
               --------
Logical port 2: Hard Zoning disabled, Soft Zoning disabled
Zone type: WWN Zoning
Frames with hard zone miss: 0

*** Please use filterportshow on user port 56 to display ACL hash
tables and Mirroring resources of thischip.
 ***We show this data only for the first physical port which is an
exernal port.

portFcPortCmdShow --slot 0 58 3
doing portFcPortCmdShow: arg1 = 3, arg2 = -2

portshow 58
portDisableReason: None
portCFlags: 0x0
portFlags: 0x4021        PRESENT U_PORT DISABLED LED
LocalSwcFlags: 0x0
portType:  26.0
POD Port: Need license to enable the port
portState: 2    Offline
Protocol: FC
portPhys:  2    No_Module       portScn:   2    Offline
port generation number:    0
state transition count:    0

portId:    013a00
portIfId:    43020003
```

```
portWwn:   20:3a:d8:1f:cc:2c:99:90
portWwn of device(s) connected:
16b Area list:
Distance:  normal
portSpeed: N32Gbps

FEC: Inactive
Credit Recovery: Inactive
LE domain: 0
Peer beacon: Off
FC Fastwrite: OFF
Interrupts:        0          Link_failure: 0          Frjt:
0
Unknown:           0          Loss_of_sync: 0          Fbsy:
0
Lli:               0          Loss_of_sig:  0
Proc_rqrd:         0          Protocol_err: 0
Timed_out:         0          Invalid_word: 0
Tx_unavail:        0          Invalid_crc:  0
Delim_err:         0          Address_err:  0
Lr_in:             0          Ols_in:       0
Lr_out:            0          Ols_out:      0


portloginshow 58
Type  PID     World Wide Name        credit df_sz cos
=====================================================


portloginshow 58 -history
 Type  PID      World Wide Name           logout time
============================================================


portregshow 58

LED registers
=============
0x81c1a000: c4_led_status           00000000    0x81c1a004:
c4_led_ctl              00000000

FPL registers
=============
0x81c18200: fpl_port_config         23490000
0x81c1820c: fpl_port_id_ctl         00000000    0x81c18210:
fpl_port_id_addr        00013a00
0x81c18214: fpl_port_speed          00000004    0x81c1821c:
fpl_lli_ctl             00000903
0x81c18228: fpl_lli_os_ctl          bc95b5b5    0x81c1822c:
fpl_lli_send_word       bc95b5b5
0x81c18230: fpl_lli_mark_rx         00000000    0x81c18234:
fpl_lli_rnd_trip_time   00000000
0x81c18238: fpl_lli_ns_status       00070007    0x81c1823c:
fpl_lli_intr_status     80070007
```

```
0x81c18244: fpl_lli_def             00000000    0x81c18254:
fpl_lli_intr_enable_clr 00100000
0x81c18258: fpl_err_intr_status     00000000    0x81c18260:
fpl_err_intr_enable_clr 00000000
0x81c18268: fpl_err_first_error     00000000    0x81c1826c:
fpl_speed_neg_ctl       00000000
0x81c18270: fpl_speed_neg_stat      00000000    0x81c18274:
fpl_softasn_ctl         0000000f
0x81c18278: fpl_link_init_ctl       00000000    0x81c1827c:
fpl_link_init_stat      00000000
0x81c18280: fpl_aec_ctl             00051060    0x81c18284:
fpl_aec_ctl2            04009f60
0x81c18288: fpl_pcs_ctl             00000160    0x81c1828c:
fpl_fec_ctl             00000441
0x81c18290: fpl_fec_cor             00000000    0x81c18294:
fpl_fec_uncor           00000000
0x81c18298: fpl_hss_link_ctl        0031f040    0x81c1829c:
fpl_afifo_link_ctl      00000a86
0x81c182a0: fpl_echo_lb_ctl         0000028c    0x81c182a4:
fpl_scratch             00000121
0x81c182a8: fpl_debug               00030005    0x81c182ac:
fpl_misc_debug          00001800
0x00000000: SW_shadow_reg           00000000    0x00000000:
SW_c4_phyp->cfgptr      00030000

per-fpg (per octet) registers
=============================
0x8180382c: fpg_serdes_ctla0        81a37be7    0x81803830:
fpg_serdes_ctla1        81a37be7
0x81803834: fpg_serdes_ctlb0        81a1c3c3    0x81803838:
fpg_serdes_ctlb1        81a1c3c3
0x8180383c: fpg_serdes_xgmii_1ms    00067c28    0x81803840:
fpg_serdes_regtimctl    40e47946
0x81803844: fpg_serdes_asnrsttimctl 00000102

HSS PLL registers
=============================
0x81801400: 00_hssplla_vco_coarse_cal0      00000000    0x81801404:
01_hssplla_vco_coarse_cal1      00000014
0x81801408: 02_hssplla_vco_coarse_cal2      00000000    0x8180140c:
03_hssplla_vco_coarse_cal3      00000000
0x81801410: 04_hssplla_vco_coarse_cal4      00000000    0x81801424:
09_hssplla_power_ctl            00000000
0x81801428: 0A_hssplla_charge_pump_ctl      00000004    0x81801438:
0E_hssplla_pll_misc_ctl         00000000
0x8180143c: 0F_hssplla_pclk_ctl             000000f8    0x81801440:
10_hssplla_eyem_intv_ctl        00000000
0x81801444: 11_hssplla_eyem_intv_lim1       00000000    0x81801448:
12_hssplla_eyem_intv_lim2       00000000
0x8180144c: 13_hssplla_eyem_intv_lim3       00000000    0x81801450:
14_hssplla_eyem_intv_lim4       00000000
0x818014f0: 3C_hssplla_macro_tst_ctl4       00000000    0x818014f4:
3D_hssplla_macro_tst_ctl3       00000000
0x818014f8: 3E_hssplla_macro_tst_ctl2       00000000    0x818014fc:
```

```
3F_hssplla_macro_tst_ctl1       00000000
0x81801500: 00_hssplb_vco_coarse_cal0      0000000a    0x81801504:
01_hssplb_vco_coarse_cal1      00000014
0x81801508: 02_hssplb_vco_coarse_cal2      00000000    0x8180150c:
03_hssplb_vco_coarse_cal3      00000000
0x81801510: 04_hssplb_vco_coarse_cal4      00000000    0x81801524:
09_hssplb_power_ctl            00000000
0x81801528: 0A_hssplb_charge_pump_ctl      00000004    0x81801538:
0E_hssplb_pll_misc_ctl         00000000
0x8180153c: 0F_hssplb_pclk_ctl             000000f8    0x81801540:
10_hssplb_eyem_intv_ctl        00000000
0x81801544: 11_hssplb_eyem_intv_lim1       00000000    0x81801548:
12_hssplb_eyem_intv_lim2       00000000
0x8180154c: 13_hssplb_eyem_intv_lim3       00000000    0x81801550:
14_hssplb_eyem_intv_lim4       00000000
0x818015f0: 3C_hssplb_macro_tst_ctl4       00000000    0x818015f4:
3D_hssplb_macro_tst_ctl3       00000000
0x818015f8: 3E_hssplb_macro_tst_ctl2       00000000    0x818015fc:
3F_hssplb_macro_tst_ctl1       00000000

HSS TX registers
================
0x81800500: 00_hsstx_cfg_mode_PHY          00009f48    0x81800504:
01_hsstx_test_ctl              00000000
0x81800508: 02_hsstx_coeff_ctl_INV         00000000    0x8180050c:
03_hsstx_drv_mode_ctl          00000000
0x81800510: 04_hsstx_drv_ovrd_ctl          00000010    0x81800514:
05_hsstx_dclk_align_ovrd       00000080
0x81800518: 06_hsstx_imp_cal_ovrd          00000c0c    0x8180051c:
07_hsstx_dclk_drift_tol        00000004
0x81800520: 08_hsstx_tap0_coeff_TUNE       00000000    0x81800524:
09_hsstx_tap1_coeff_TUNE       00000003
0x81800528: 0A_hsstx_tap2_coeff_TUNE       00000018    0x8180052c:
0B_hsstx_tap3_coeff_TUNE       0000000d
0x81800534: 0D_hsstx_pol_INV               00000004    0x81800538:
0E_hsstx_ae_cmd                00000000
0x8180053c: 0F_hsstx_ae_stat               00000000    0x81800540:
10_hsstx_ae_tap0_TUNE          00000000
0x81800544: 11_hsstx_ae_tap1_TUNE          00000000    0x81800548:
12_hsstx_ae_tap2_TUNE          00000028
0x8180054c: 13_hsstx_ae_tap3_TUNE          00000000    0x81800554:
15_hsstx_app_tune              0000120e
0x81800558: 16_hsstx_analog_diag           00000000    0x81800560:
18_hsstx_4x_seg_app            0000aafa
0x81800564: 19_hsstx_2x_seg_app            00000000    0x81800568:
1A_hsstx_1x_seg_app            0000ff5d
0x8180056c: 1B_hsstx_seg_4x_term_app       00000000    0x81800570:
1C_hsstx_seg_2x1x_term_app     00000f00
0x81800574: 1D_hsstx_tap_sign_app          00000004    0x81800578:
1E_hsstx_ext_addr_data         00000001
0x8180057c: 1F_hsstx_ext_addr_addr         00000000    0x81800580:
20_hsstx_pat_buf_bytes_1_0     00000000
0x81800584: 21_hsstx_pat_buf_bytes_3_2     00000000    0x81800588:
22_hsstx_pat_buf_bytes_5_4     00000000
```

```
0x8180058c: 23_hsstx_pat_buf_bytes_7_6      00000000    0x8180059c:
27_hsstx_8023az_ctl             00000000
0x818005a0: 28_hsstx_dcc_ctl                000060c0    0x818005a4:
29_hsstx_dcc_ovrd               00000000
0x818005a8: 2A_hsstx_dcc_app                00000000    0x818005ac:
2B_hsstx_dcc_timeout            0000ffff
0x818005c0: 30_hsstx_tap_sign_ovrd          00000000    0x818005c8:
32_hsstx_seg_4x_ovrd            00000000
0x818005cc: 33_hsstx_seg_2x_ovrd            00000000    0x818005d0:
34_hsstx_seg_1x_ovrd            00000000
0x818005d8: 36_hsstx_tap_seg_4x_term_ovrd   00000000    0x818005dc:
37_hsstx_tap_seg_2x_term_ovrd   00000000
0x818005e0: 38_hsstx_tap_seg_1x_term_ovrd   00000000    0x818005ec:
3B_hsstx_mac_test_ctl5          00000000
0x818005f0: 3C_hsstx_mac_test_ctl4          00000000    0x818005f4:
3D_hsstx_mac_test_ctl3          00000000
0x818005f8: 3E_hsstx_mac_test_ctl2          00000000    0x818005fc:
3F_hsstx_mac_test_ctl1          000000c6

HSS RX registers
================
0x81800700: 00_hssrx_cfg_mode_PHY           00009e78    0x81800704:
01_hssrx_test_ctl               00000000
0x81800708: 02_hssrx_phs_rot_ctl            0000cb80    0x8180070c:
03_hssrx_phs_rot_ofs_ctl        00001610
0x81800710: 04_hssrx_phs_rot_posn1          00000202    0x81800714:
05_hssrx_phs_rot_posn2          00000031
0x81800718: 06_hssrx_phs_rot_sta_ofs1       00000000    0x8180071c:
07_hssrx_phs_rot_sta_ofs2       00000000
0x81800720: 08_hssrx_dfe_ctl_PHY            00002002    0x81800724:
09_hssrx_dfe_smpl_snap1         00000000
0x81800728: 0A_hssrx_dfe_smpl_snap2         00008000    0x8180072c:
0B_hssrx_vga_ctl1               00004001
0x81800730: 0C_hssrx_vga_ctl2               00007aa0    0x81800734:
0D_hssrx_vga_ctl3               000009e4
0x81800738: 0E_hssrx_pwr_mgmnt_ctl          0000001f    0x8180073c:
0F_hssrx_iqamp_ctl1             0000001a
0x81800740: 10_hssrx_iqamp_ctl2             00000006    0x81800744:
11_hssrx_dacap_dacan_sel        00000003
0x81800748: 12_hssrx_dacap_dacan            0000ffff    0x8180074c:
13_hssrx_daca_min               00000000
0x81800750: 14_hssrx_adac_ctl               00000000    0x81800754:
15_hssrx_ac_cp_ctl              000031c3
0x81800758: 16_hssrx_ac_cp_val              00008052    0x8180075c:
17_hssrx_dfe_h1h2h3_lcl_off_ch  00000014
0x81800760: 18_hssrx_dfe_h1h2h3_lcl_off_val 00000000    0x81800764:
19_hssrx_peaked_intg            000000ff
0x81800768: 1A_hssrx_cdr_analog_sw          0000ce00    0x8180076c:
1B_hssrx_peaking_amp_init_c_PHY 00000000
0x81800770: 1C_hssrx_dac_dpc                00000040    0x81800774:
1D_hssrx_ddc                    00000000
0x81800778: 1E_hssrx_int_stat_PHY           00001c0f    0x8180077c:
1F_hssrx_dfe_func_ctl1_PHY      0000ffff
0x81800780: 20_hssrx_dfe_func_ctl2_INV      00007eff    0x81800784:
```

```
21_hssrx_ofs_ch_dcc_qcc_idx     00002000
0x81800788: 22_hssrx_dfe_ofs_val            00000c7b    0x8180078c:
23_hssrx_h_coeff_bist           00000401
0x81800790: 24_hssrx_ac_cap_bist            00002009    0x81800794:
25_hssrx_max_gain_path_idx_res  00007800
0x81800798: 26_hssrx_loff_ctl               00000040    0x8180079c:
27_hssrx_sigdet_ctl             00003780
0x818007a0: 28_hssrx_ana_ctl_sw             00000000    0x818007a4:
29_hssrx_intg_dac_ofs           0000dfe0
0x818007a8: 2A_hssrx_eye_ctl                00000000    0x818007ac:
2B_hssrx_eye_met                00000004
0x818007b0: 2C_hssrx_eye_met_err_cnt        00000000    0x818007b4:
2D_hssrx_eye_met_pdf_eyec       00000000
0x818007b8: 2E_hssrx_eye_met_pat_len        0000007f    0x818007bc:
2F_hssrx_dfe_func_ctl3          0000dfff
0x818007c0: 30_hssrx_dfe_tap_ctl_idx_ptr    00000008    0x818007c4:
31_hssrx_dfe_tap                00003030
0x818007c8: 32_hssrx_lte_ctl_TUNE           00001601    0x818007e4:
39_hssrx_int_stat2              0000c1ff
0x818007e8: 3A_hssrx_ac_cpl_cur_src_adj     00000041    0x818007ec:
3B_hssrx_dcd_ctl                00007c42
0x818007f0: 3C_hssrx_dcc_ctl                00000d83    0x818007f4:
3D_hssrx_qcc_ctl                00006949
0x818007f8: 3E_hssrx_mac_test_ctl2          00000000    0x818007fc:
3F_hssrx_mac_test_ctl1          00000000
0x81800748: 12_hssrx_dacap_dacan[02]                00ff ffff
0x81800760: 18_hssrx_dfe_h1h2h3_lcl_off_va[00]      0000 0000   0000
0000   0000 0000   0000 0000
0x81800760: 18_hssrx_dfe_h1h2h3_lcl_off_va[08]      0000 0000   0000
0000   0000 0000   0000 0000
0x81800760: 18_hssrx_dfe_h1h2h3_lcl_off_va[16]      0000 0000   0000
0000   0000
0x81800788: 22_hssrx_dfe_ofs_val[00][00]            0c7b 7f00   097d
0000   097c 7f00
0x81800788: 22_hssrx_dfe_ofs_val[03][00]            7b03 007f   7f7d
0000   0200 0000
0x81800788: 22_hssrx_dfe_ofs_val[06][00]            7b7f 0000   7903
0000   0402 7f00
0x81800788: 22_hssrx_dfe_ofs_val[09][00]            067b 7f00   7b7d
0000   027b 0000
0x81800788: 22_hssrx_dfe_ofs_val[12][00]            7901 0000   7903
0000   087c 7f00
0x81800788: 22_hssrx_dfe_ofs_val[15][00]            7f04 007f   7d04
0000   087d 7f00
0x81800788: 22_hssrx_dfe_ofs_val[18][00]            0906 7f00   7d03
0000   007f 0000
0x81800788: 22_hssrx_dfe_ofs_val[21][00]            007f 0000   007f
0000   007f 0000
0x81800788: 22_hssrx_dfe_ofs_val[24][00]            057d 7f00   0501
0000   7f7b 0000
0x81800794: 25_hssrx_max_gain_path_idx_res[00]      005f 0840   1111
18be   2100 28ba   30a0 3800
0x81800794: 25_hssrx_max_gain_path_idx_res[08]      40b0 4890   5080
5800   6044 6800   70fe 7800
```

```
0x818007c4: 31_hssrx_dfe_tap[00]                    fffe 8080   0000
0000   0030 0030   3030 3030
0x818007c4: 31_hssrx_dfe_tap[08]                    3030 3030   3030
0000
0x818007e8: 3A_hssrx_ac_cpl_cur_src_adj[00]         0041 0041   0041
0041
0x818007ec: 3B_hssrx_dcd_ctl[00]                    7c42 5c00   7c85
5c00   7c00
0x818007f0: 3C_hssrx_dcc_ctl[00]                    0d83 0d81   0d00
0d81
0x818007f4: 3D_hssrx_qcc_ctl[00]                    6982 6949

xfipcs, fec, aec, & aet registers
=================================
0x81c18400: xfipcs_reg              [00] 00002040 00000080 00000000
00000000    00000001 00000008 00000000 00000000
0x81c18420: xfipcs_reg              [08] 00008c01 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c18440: xfipcs_reg              [16] 00000000 00000000 00000000
00000000    00000040 00000000 00000000 00000000
0x81c18460: xfipcs_reg              [24] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c18480: xfipcs_reg              [32] 00000004 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c18620: fec_32g_128g_reg        [08] 00000000 00000000 00000000
00000000    00000000 00000000 00000000
0x81c18648: fec_32g_128g_reg        [18] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c18a00: aec_reg                 [00] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c18c00: aet_reg                 [00] 00000000 00000000 00000000
00000000    00000000

bbc registers
=============
0x81c19800: bbc_trc                 0    0    0    0    0    0    0
0
0x81c19840: bbc_trc                 0    0    0    0    0    0    0
0
0x81c19880: bbc_trc                 0    0    0    0    0    0    0
0
0x81c198c0: bbc_trc                 0    0    0    0    0    0    0
0
0x81c19900: bbc_trc                 0    0    0    0    0    0    0
0
0x81c19804: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c19844: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c19884: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c198c4: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c19904: bbc_mbc                 0    0    0    0    0    0    0
```

```
0
0x81c19a00: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c19a20: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c19a40: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c19a60: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c19a80: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c19c00: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c19c20: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c19c40: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c19c60: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c19c80: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c19d00: bbc_fbpc                00000000    0x81c19d04: bbc_csc
00000000
0x81c19d08: bbc_rcc_inc             00000000    0x81c19d0c:
bbc_rqc_inc             00000000
0x81c19d10: bbc_fbpc_inc            00000000    0x81c19d14:
bbc_tmc_inc             00000000
0x81c19d18: bbc_threshold           00080100    0x81c19d1c:
bbc_counter_clr         00000000
0x81c19d20: bbc_debug_en            00000000    0x81c19d24: bbc_ctrl
00200020
0x81c19d28: bbc_rqc_rcc_thresh      00000055    0x81c19d34:
bbc_bb_sc_n             00000000
0x81c19d38: bbc_crd_reco_debug      00000000    0x81c19d3c:
bbc_crd_reco_debug_data 00000000
0x81c19d40: bbc_multi_frm_loss_cnt  00000000    0x81c19d44:
bbc_multi_rdy_loss_cnt  00000000
0x81c19d48: bbc_1frm_loss_recov_cnt 00000000    0x81c19d4c:
bbc_1rdy_loss_recov_cnt 00000000
0x81c19d58: bbc_int_status          00000000    0x81c19d5c:
bbc_int_set             00000000
0x81c19d60: bbc_int_first           00000000    0x81c19d64:
bbc_frm_rdy_rx_err_addr 00000000
0x81c19d68: bbc_frm_rdy_tx_err_addr 00000000    0x81c19d6c:
bbc_trc_mbc_err_addr    00000000
0x81c19d70: bbc_frm_rdy_rx_dbl_ecc  00000000    0x81c19d74:
bbc_frm_rdy_tx_dbl_ecc  00000000
0x81c19d78: bbc_trc_mbc_dbl_ecc     00000000
0x81c19d7c: bbc_fsm_status          00001011    0x81c19d80:
bbc_force_err           00000000
0x81c19d84: bbc_crdt_avail0         ffffffff    0x81c19d88:
bbc_crdt_avail1         000000ff
0x81c19d8c: bbc_scratch             00000000
```

```
FPS registers
=============
0x81c18004: fps_er_enc_in           00000000    0x81c18008:
fps_er_crc              00000000
0x81c1800c: fps_er_trunc            00000000    0x81c18010:
fps_er_toolong          00000000
0x81c18014: fps_er_bad_eof          00000000    0x81c18018:
fps_er_enc_out          00000000
0x81c1801c: fps_er_bad_os           00000000    0x81c18020:
fps_er_flush            00000000
0x81c18024: fps_er_ifg              00000000    0x81c18038:
fps_er_crc_good_eof     00000000
0x81c1803c: fps_inv_arb             00000000    0x81c18040:
fps_slow_sts_status     00000000
0x81c18044: fps_tx_frm_cnt          00000000    0x81c18048:
fps_rx_frm_cnt          00000000
0x81c18050: fps_tx_word_cnt_hi      00000000    0x81c1804c:
fps_tx_word_cnt_lo      00000000
0x81c18058: fps_rx_word_cnt_hi      00000000    0x81c18054:
fps_rx_word_cnt_lo      00000000

BAL registers
=============
0x81c1f000: bal_desired_buf         00000000    0x81c1f004:
bal_alloc_buf           00000000
0x81c1f008: bal_busy_buf            00000000    0x81c1f00c:
bal_usable_buf          00000000
0x81c1f010: bal_max_bor_buf         00000000
0x81c1f014: bal_busy_buf_thresh     00000002

TXQ registers
=============
0x81c1b004: txq_phys_port_ctl       00430000
0x81c1b050: txq_link_skew           00000000
0x81c1b068: txq_cr_lk_dttn_intr_sts [00] 00000000 00000000
0x81c1b070: txq_cr_lk_dttn_intr_en  [00] 00000000 00000000
0x81c1b024: txq_disc_frm_trap_cnt   00000014

FDS registers
=============
0x81c1c000: fds_rxf_ctl             00000002    0x81c1c004:
fds_rxf_wait_thresh     00000909
0x81c1c018: fds_rxf_first_error     00000000    0x81c1c01c:
fds_rxf_first_error_info00000000
0x81c1c020: fds_rxf_inout_pkt_cnt   00000000
0x81c1c008: fds_rxf_err_int_status  00000000    0x81c1c024:
fds_rxf_fifo_status     00888888
0x81c1d000: fds_txf_ctl             0000003a    0x81c1d004:
fds_txf_wait_ifg_thresh 00a00106
0x81c1d008: fds_txf_err_int_status  00000000    0x81c1d024:
fds_txf_fifo_status     00088888
0x81c1d02c: fds_txf_bbc_scs         00000000

Logical TXQ registers
```

```
====================
0x81c1b000: txq_log_port_ctl        00000002    0x81c1b008:
txq_port_status         00000000
0x81c1b00c: txq_todo_flags          [00] 00000000 00000000
0x81c1b014: txq_spd_match_desc      [00] 00000000 00000000 00000000
00000000
0x81c1b024: txq_spd_match_desc      [04] 00000014
0x81c1b028: txq_vc_weight           [00] 01010101 01010101 01010101
01010101
0x81c1b038: txq_vc_weight           [04] 01010101 01010101 01010101
01010101
0x81c1b048: txq_vc_weight           [08] 01010101 00010101
0x81c1b054: txq_cong_dttn_ctrl      00000000
0x81c1b058: txq_cong_dttn_intr_sts  [00] 00000000 00000000
0x81c1b060: txq_cong_dttn_intr_en   [00] 00000000 00000000
0x81c1b078: txq_bw_limit_en_reg     [00] 00000000 00000000
0x81c1b080: txq_bw_gua_en_reg       [00] 00000000 00000000
0x81c1b088: txq_vc_group            [00] 03030300 03030303 03030303
03030303
0x81c1b098: txq_vc_group            [04] 03030303 03030303 03030303
03030303
0x81c1b0a8: txq_vc_group            [08] 03030303 03030303 00000000
00000000
0x81c1b0b0: txq_bw_thresh_group     [00] 00000000 00000000 00000000
00000000
0x81c1b0c0: txq_bw_thresh_group     [04] 00000000 00000000 00000000
00000000
0x81c1b0d0: txq_bw_thresh_group     [08] 00000000 00000000 00000000
00000000
0x81c1b0e0: txq_bw_thresh_group     [12] 00000000 00000000 00000000
00000000
0x81c1b0f0: txq_bw_thresh_group     [16] 00000000 00000000 00000000
00000000
0x81c1b100: txq_bw_thresh_group     [20] 00000000 00000000 00000000
00000000
0x81c1b110: txq_bw_thresh_group     [24] 00000000 00000000 00000000
00000000
0x81c1b120: txq_bw_thresh_group     [28] 00000000 00000000 00000000
00000000
0x81c1b130: txq_bw_thresh_group     [32] 00000000 00000000 00000000
00000000
0x81c1b140: txq_bw_thresh_group     [36] 00000000 00000000 00000000
00000000

txq Congestion detection Statistics RAM
=======================================
0x810901e0: vc[0]       00000000        0x810901e4: vc[1]
00000000
0x810901e8: vc[2]       00000000        0x810901ec: vc[3]
00000000
0x810901f0: vc[4]       00000000        0x810901f4: vc[5]
00000000
0x810901f8: vc[6]       00000000        0x810901fc: vc[7]
00000000
```

```
0x81090200: vc[8]       00000000        0x81090204: vc[9]
00000000
0x81090208: vc[10]      00000000        0x8109020c: vc[11]
00000000
0x81090210: vc[12]      00000000        0x81090214: vc[13]
00000000
0x81090218: vc[14]      00000000        0x8109021c: vc[15]
00000000
0x81090220: vc[16]      00000000        0x81090224: vc[17]
00000000
0x81090228: vc[18]      00000000        0x8109022c: vc[19]
00000000
0x81090230: vc[20]      00000000        0x81090234: vc[21]
00000000
0x81090238: vc[22]      00000000        0x8109023c: vc[23]
00000000
0x81090240: vc[24]      00000000        0x81090244: vc[25]
00000000
0x81090248: vc[26]      00000000        0x8109024c: vc[27]
00000000
0x81090250: vc[28]      00000000        0x81090254: vc[29]
00000000
0x81090258: vc[30]      00000000        0x8109025c: vc[31]
00000000
0x81090260: vc[32]      00000000        0x81090264: vc[33]
00000000
0x81090268: vc[34]      00000000        0x8109026c: vc[35]
00000000
0x81090270: vc[36]      00000000        0x81090274: vc[37]
00000000
0x81090278: vc[38]      00000000        0x8109027c: vc[39]
00000000


Logical STS registers
=====================
0x815842c4: sts_ftb_type1_miss      00000000
0x815842c8: sts_ftb_type2_miss      00000000
0x815842cc: sts_ftb_type6_miss      00000000
0x815842d0: sts_hard_zoning_miss    00000000
0x815842d4: sts_lun_zoning_miss     00000000
0x815842dc: sts_unroutable          00000000
0x815812f4: sts_rte_cl2             00000000    0x815812f8:
sts_rte_cl3             00000000        0x815812fc: sts_rte_link_ctl
00000000        0x815842e8: sts_tx_timeout          00000000

Logical STS filter registers
=====================
0x81584240: sts_flt_trig            [00] 00000000 00000000 00000000
00000000
0x81584250: sts_flt_trig            [04] 00000000 00000000 00000000
00000000
0x81584260: sts_flt_trig            [08] 00000000 00000000 00000000
00000000
```

```
0x81584270: sts_flt_trig            [12] 00000000 00000000 00000000
00000000
0x81584280: sts_flt_trig            [16] 00000000 00000000 00000000
00000000
0x81584290: sts_flt_trig            [20] 00000000 00000000 00000000
00000000
0x815842a0: sts_flt_trig            [24] 00000000 00000000 00000000
00000000
0x815842b0: sts_flt_trig            [28] 00000000 00000000 00000000
00000000
0x815842c0: sts_flt_trig            [32]

Logical STS discard registers
=====================
0x8158145c: disc_mcast_wka          00000000    0x81581460:
disc_inv_did            00000000
0x81581464: disc_cl1_cl4            00000000    0x81581468:
disc_sid_chk_fail       00000000
0x8158146c: disc_inv_dom_egid_txpt  00000000    0x81581470:
disc_vft_hop_cnt_1      00000000
0x81581474: disc_classf             00000000    0x81581478:
disc_fcp_cdb_inv        00000000
0x8158147c: disc_vfid_trap_enabled  00000000    0x81581480:
disc_vfid_hdr_chk_fail  00000000
0x81581484: disc_shim_cksum_fail    00000000    0x81581488:
disc_fed_edit_cmd_err   00000000
0x8158148c: disc_ftb_vm_mode        00000000    0x81581490:
disc_ftb_agn_t2_miss    00000000
0x81581494: disc_ecb_reserved       00000000    0x81581498:
disc_ecb_de_pad_err     00000000
0x8158149c: disc_ecb_de_tag_err     00000000    0x815814a0:
disc_ecb_de_seq_err     00000000
0x815814a4: disc_ecb_err            00000000    0x815814a8:
disc_ftb_type4_match    00000000
0x815814ac: disc_fcp_rsp_ftb_type4  00000000    0x815814b0:
disc_ftb_type5_match    00000000
0x815814b4: disc_ftb_type3_match    00000000    0x815814b8:
disc_els_ftb_type3      00000000
0x815814bc: disc_ftb_type1_match    00000000    0x815814c0:
disc_els_rsp_ex_port    00000000
0x815814c4: disc_inv_drp_dps        00000000    0x815814c8:
disc_did_lookup_miss    00000000
0x815814cc: disc_ftb_type2_match    00000000    0x815814d0:
disc_trpd_plogi_pdisc   00000000
0x815814d4: disc_type2_lookup_miss  00000000    0x815814d8:
disc_ftb_type6_match    00000000
0x815814dc: disc_els_rep_ex_port    00000000    0x815814e0:
disc_els_sid_lkup_bit1  00000000
0x815814e4: disc_els_sid_lkup_bit0  00000000    0x815814e8:
disc_bls_frm_trap_bit1  00000000
0x815814ec: disc_ftb_token_err      00000000    0x815814f0:
disc_asic_internal_err  00000000
0x815814f4: disc_hard_zone_miss     00000000    0x815814f8:
disc_lun_zone_miss      00000000
```

```
0x815814fc: disc_flt_frame_disc     00000000    0x81581500:
disc_flt_parity_err     00000000
0x81581504: disc_frame_marked_du    00000000    0x81581508:
disc_frame_marked_to    00000000
0x8158150c: disc_lkup_rte_prty_err  00000000


portstatsshow 58
stat_wtx                0                   4-byte words transmitted
stat_wrx                0                   4-byte words received
stat_ftx                0                   Frames transmitted
stat_frx                0                   Frames received
stat_c2_frx             0                   Class 2 frames received
stat_c3_frx             0                   Class 3 frames received
stat_lc_rx              0                   Link control frames
received
stat_mc_rx              0                   Multicast frames
received
stat_mc_to              0                   Multicast timeouts
stat_mc_tx              0                   Multicast frames
transmitted
tim_txcrd_z             0                   Time TX Credit Zero
(2.5Us ticks)
tim_txcrd_z_vc  0- 3:  0           0           0           0
tim_txcrd_z_vc  4- 7:  0           0           0           0
tim_txcrd_z_vc  8-11:  0           0           0           0
tim_txcrd_z_vc 12-15:  0           0           0           0
lat_tot_pkt_vc  0- 3:  1           1           1           1
lat_tot_pkt_vc  4- 7:  1           1           1           1
lat_tot_pkt_vc  8-11:  1           1           1           1
lat_tot_pkt_vc 12-15:  1           1           1           1
lat_hi_time_vc  0- 3:  0           0           0           0
lat_hi_time_vc  4- 7:  0           0           0           0
lat_hi_time_vc  8-11:  0           0           0           0
lat_hi_time_vc 12-15:  0           0           0           0
lat_lo_time_vc  0- 3:  1           1           1           1
lat_lo_time_vc  4- 7:  1           1           1           1
lat_lo_time_vc  8-11:  1           1           1           1
lat_lo_time_vc 12-15:  1           1           1           1
max_latency_vc  0- 3:  1           1           1           1
max_latency_vc  4- 7:  1           1           1           1
max_latency_vc  8-11:  1           1           1           1
max_latency_vc 12-15:  1           1           1           1
latency_dma_ts          09-09-2024 UTC Mon 08:47:26            TXQ
Latency DMA TimeStamp
fec_cor_detected        0                   Count of blocks that
were corrected by FEC
fec_uncor_detected      0                   Count of blocks that
were left uncorrected by FEC
er_enc_in               0                   Encoding errors inside
of frames
er_crc                  0                   Frames with CRC errors
er_trunc                0                   Frames shorter than
minimum
```

```
er_toolong              0                   Frames longer than
maximum
er_bad_eof              0                   Frames with bad end-of-
frame
er_enc_out              0                   Encoding error outside
of frames
er_bad_os               0                   Invalid ordered set
er_pcs_blk              0                   PCS block errors
er_rx_c3_timeout        0                   Class 3 receive frames
discarded due to timeout
er_tx_c3_timeout        0                   Class 3 transmit frames
discarded due to timeout
er_unroutable           0                   Frames that are
unroutable
er_unreachable          0                   Frame with unreachable
destination
er_other_discard        0                   Other discards
er_type1_miss           0                   frames with FTB type 1
miss
er_type2_miss           0                   frames with FTB type 2
miss
er_type6_miss           0                   frames with FTB type 6
miss
er_zone_miss            0                   frames with hard zoning
miss
er_lun_zone_miss        0                   frames with LUN zoning
miss
er_crc_good_eof         0                   Crc error with good eof
er_inv_arb              0                   Invalid ARB
er_single_credit_loss   0                   Single vcrdy/frame loss
on link
er_multi_credit_loss    0                   Multiple vcrdy/frame
loss on link
other_credit_loss       0                   Link timeout/complete
credit loss
phy_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
phy_port stats clear
lgc_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
lgc_port stats clear
fec_corrected_rate      0                   FEC Corrected blocks per
second

portstats64show 58
stat64_wtx      0           top_int : 4-byte words transmitted
                0           bottom_int : 4-byte words transmitted
stat64_wrx      0           top_int : 4-byte words received
                0           bottom_int : 4-byte words received
stat64_ftx      0           top_int : Frames transmitted
                0           bottom_int : Frames transmitted
stat64_frx      0           top_int : Frames received
                0           bottom_int : Frames received
stat64_c2_frx   0           top_int : Class 2 frames received
                0           bottom_int : Class 2 frames received
stat64_c3_frx   0           top_int : Class 3 frames received
```

```
                0           bottom_int : Class 3 frames received
stat64_lc_rx    0           top_int : Link control frames received
                0           bottom_int : Link control frames
received
stat64_mc_rx    0           top_int : Multicast frames received
                0           bottom_int : Multicast frames received
stat64_mc_to    0           top_int : Multicast timeouts
                0           bottom_int : Multicast timeouts
stat64_mc_tx    0           top_int : Multicast frames transmitted
                0           bottom_int : Multicast frames
transmitted
tim64_rdy_pri   0           top_int : Time R_RDY high priority
                0           bottom_int : Time R_RDY high priority
tim64_txcrd_z   0           top_int : Time BB_credit zero
                0           bottom_int : Time BB_credit zero
er64_enc_in     0           top_int : Encoding errors inside of
frames
                0           bottom_int : Encoding errors inside of
frames
er64_crc        0           top_int : Frames with CRC errors
                0           bottom_int : Frames with CRC errors
er64_trunc      0           top_int : Frames shorter than minimum
                0           bottom_int : Frames shorter than minimum
er64_toolong    0           top_int : Frames longer than maximum
                0           bottom_int : Frames longer than maximum
er64_bad_eof    0           top_int : Frames with bad end-of-frame
                0           bottom_int : Frames with bad end-of-
frame
er64_enc_out    0           top_int : Encoding error outside of
frames
                0           bottom_int : Encoding error outside of
frames
er64_disc_c3    0           top_int : Class 3 frames discarded
                0           bottom_int : Class 3 frames discarded
er64_pcs_blk    0           top_int : PCS block errors
                0           bottom_int : PCS block errors
stat64_rateTxFrame      0           Tx frame rate (fr/sec)
stat64_rateRxFrame      0           Rx frame rate (fr/sec)
stat64_rateTxPeakFrame  0           Tx peak frame rate (fr/sec)
stat64_rateRxPeakFrame  0           Rx peak frame rate (fr/sec)
stat64_rateTxWord       0           Tx Word rate (words/sec)
stat64_rateRxWord       0           Rx Word rate (words/sec)
stat64_rateTxPeakWord   0           Tx peak Word rate (words/sec)
stat64_rateRxPeakWord   0           Rx peak Word rate (words/sec)
stat64_PRJTFrames       0           top_int : Number of PRJT frames
returned to this port
                        0           bottom_int : Number of PRJT
frames returned to this port
stat64_PBSYFrames       0           top_int : Number of PBSY frames
returned to this port
                        0           bottom_int : Number of PBSY
frames returned to this port
stat64_inputBuffersFull 0           top_int : Number of occurrences
when all input buffers full
```

```
                        0           bottom_int : Number of
occurrences when all input buffers full
stat64_rxClass1Frames   0           top_int : Number of class 1
frames received
                        0           bottom_int : Number of class 1
frames received
stat64_aveTxFrameSize   0           Average Tx Frame size
stat64_aveRxFrameSize   0           Average Rx Frame size
Lr_in           0           top_int
                0           bottom_int
Ols_in          0           top_int
                0           bottom_int
Lr_out          0           top_int
                0           bottom_int
Ols_out         0           top_int
                0           bottom_int
Link_failure    0           top_int
                0           bottom_int
Invalid_CRC     0           top_int
                0           bottom_int
Invalid_word    0           top_int
                0           bottom_int
Protocol_err    0           top_int
                0           bottom_int
Loss_of_sig     0           top_int
                0           bottom_int
Loss_of_sync    0           top_int
                0           bottom_int
er_bad_os       0           top_int : Invalid ordered set
                0           bottom_int: Invalid ordered set


portrouteshow 58
port address ID: 0x013a00
external unicast routing table:
   0: Embedded
 255: Embedded
internal unicast routing table:
   0: Embedded

portcamshow 58
-------------------------------------------------
Port  SID used  DID used  SID entries  DID entries
58     0         0         000000       000000
-------------------------------------------------

ptbufshow, ptcreditshow, ptdatashow, ptstatsshow 58
S:
S:VF Enable:            1
S:
S:C4 Global Variable:
S:-------------------------------------------------------------------
---------
S:trace_stop:           0
```

```
S:
S:C4 Phy Data Pointers: c4_phyp = 0xb6ab6180
S:-------------------------------------------------------------------
---------
S:tnodep                        0xbb82e540      pt
        0x43028003
S:proto_phyp            0xb8806360      phy_cfg
0xb6ab8000
S:c4_chp                        0x97e28000      c4_lgcp
0x97f54000
S:c4_phy_regp           0x81c18000      proc_dir
0xb85131e0
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4345678      num_port_timer          12
S:prev_if_id            0x43020003      S:ftx                   0
        tov                     0
S:initialized           0               port_idx                3
S:ui_idx                        58              slot_no
        0
S:blade_idx             3               sw_usr_ports            400
S:unused                        0               intr_debounced
        0
S:aec_status            0x0             reason_code
        0
S:debug                 0x00000004      debug_trc_line          0
S:rxbuf_list_head       0xffffffff      rxbuf_list_tail
0xffffffff
S:isAePort                      0               port_misc_data
                0
S:num_fault1_rx_disc    0               num_fault2_rx_disc      0
S:p_lli_cause0          0               p_sig_regained          0
S:p_sync_regained               0               enc_out
        0x0
S:cached_fps_status     0               cached_sts_status       0
S:cached_er_crc_good_eof        0
S:cached_er_bad_os      0               cached_er_too_long      0
S:cached_er_trunc       0
cached_tot_er_crc_good_eof      0
S:num_pt_excess_intr    0               num_no_fid              0
S:num_fault1_cnt                0               num_fault2_cnt
        0
S:num_fault_lip         0               num_fault_lli           0
S:num_fault_rx_fifo     0               num_fault_hss           0
S:num_fault_bwait               0               lli_intr_prim
        0
S:num_sw_link_to                0
be_link_err_mon_count           0
S:ecb_enc_enabled               0               ecb_comp_enabled
                0
S:ecb_rsv_enc           0               ecb_rsv_comp            0
S:ecb_enc_bm            0x0             ecb_key_index
0xffffffff
S:fab_idx               4
```

```
S:num_be_lto            0               lto_count_reset_intvl
        0
S:lr_count_reset_intvl          0               num_be_lr
        0
S:num_fault_qsfp                0               check_lto
        0
S:credit_loaded         0               num_credit_overrun
        0
S:fec_enabled           0x0             fec_los_to_flag         0x0
S:phy_stats_clear_ts            1725611419      pcs_err_online
        0
S:pcs_err_light_det             0               pcs_err_ignore
        0
S:pcs_blk_err           0               pcs_hiber               0
S:phy_port_status               0               ecb_enc_lr_count
                0
S:dport_mode            0               avoid_lto_det           0
S:sn_debounced          0x0             sn_started_kr_reqd      0
S:major_timer_started   0x0             ready_bm                0x0
S:parln_1_bm            0x0             parln_0_bm              0x0
S:be_los_of_sync_event_intvl            0
be_los_of_sync_event            0
S:erratePtenable_cntr           0               errataPoll_cntr
        0
S:jda_rx_sig_loss_det           0               jda_rx_sig_loss_cnt
                0
S:encrypt_blk_error             0
S:
S:      c4_trunk
S:=======================================
S:mark_ts               0x0             deskew                  0x0
S:master_phyp           0x0
S:
S:adelay[00]: 0x00000000 0x00000000 0x00000000 0x00000000
S:adelay[04]: 0x00000000 0x00000000 0x00000000 0x00000000
S:
S:      c4_buf
S:=======================================
S:tx_csc                        0               rx_csc
        0
S:ld_vc_credits         0               tx_flag                 0x0
S:alloc_buffers         0               req_buffers             0
S:est_buffers           20              ld_use_est              0
S:bb_sc_n                       0               rx_bb_sc_n
        0
S:data_cr                       5               nondata_cr
        6
S:cr_enable             0
S:ld_nondata_cr         6               tnodep
0xbb82e620
S:tx_credits[0] 0    0    0    0    0    0    0    0
S:tx_credits[8] 0    0    0    0    0    0    0    0
S:tx_credits[16]        0    0    0    0    0    0    0    0
S:tx_credits[24]        0    0    0    0    0    0    0    0
```

```
S:tx_credits[32]        0    0    0    0    0    0    0    0
S:rx_credits[0] 0    0    0    0    0    0    0    0
S:rx_credits[8] 0    0    0    0    0    0    0    0
S:rx_credits[16]        0    0    0    0    0    0    0    0
S:rx_credits[24]        0    0    0    0    0    0    0    0
S:rx_credits[32]        0    0    0    0    0    0    0    0
S:tx_mbc[0]     0    0    0    0    0    0    0    0
S:tx_mbc[8]     0    0    0    0    0    0    0    0
S:tx_mbc[16]    0    0    0    0    0    0    0    0
S:tx_mbc[24]    0    0    0    0    0    0    0    0
S:tx_mbc[32]    0    0    0    0    0    0    0    0
S:rx_mbc[0]     0    0    0    0    0    0    0    0
S:rx_mbc[8]     0    0    0    0    0    0    0    0
S:rx_mbc[16]    0    0    0    0    0    0    0    0
S:rx_mbc[24]    0    0    0    0    0    0    0    0
S:rx_mbc[32]    0    0    0    0    0    0    0    0
S:
S:C4 Chip Variables: c4_phyp->c4_chp = 0x97e28000
S:-----------------------------------------------------------------
---------
S:version = 2.1
S:magic_id              0xc4234567      init_state              0x8
S:reset_reg_mem         0x1
S:ch_int0_en_bm         0x0             intr0_cause             0x0
S:ch_int1_en_bm         0x0             intr1_cause             0x0
S:ch_int2_en_bm         0x0             intr2_cause             0x0
S:ch                    0x43010080      ch_cfg
0xb7013ba0
S:raslog_hndl.hndl      0x0             obj_halted              0x0
S:c4_chip_regp          0x80000000      c4_fpg_regp
0x81800000
S:num_chip_timer        0x5
S:hi_task_bm            0x0             lo_task_bm              0x0
S:c4_deferq.q_head      0x0             c4_deferq.q_tail        0x0
S:c4_tmrq.q_head        0x0             c4_tmrq.q_tail          0x0
slot_no                 0
S:chip_inst             0               chip_idx                0
S:pll_initialized               1
pll_serdes_initialized  1
S:init_tries            0               init_ptEnableBM
0xba01b488
S:tick_polling          0xb980c9c0      sec_polling
0xb980c960
S:bb_fid                        129
S:ecb_key_bm[0]         0x0             ecb_key_bm[1]           0x0
S:ecb_key_bm[2]         0x0             ecb_key_bm[3]           0x0
S:is_chip_enc_enabled                   0
is_chip_comp_enabled    0x0
S:ftb_rsrcp->ftb_flags  0x0             act_rsrcp->act_flag     0x1
S:lue_rsrcp->lue_flags[0]       0x0             lue_rsrcp-
>lue_flags[1]   0x0
S:c4_phyp[00]: 0xb6ab0000 0xb6ab2080 0xb6ab4100 0xb6ab6180
S:c4_phyp[04]: 0xb6ab9040 0xb6abb0c0 0xb6abd140 0xb6ac0000
S:c4_phyp[08]: 0xb6ac2080 0xb6ac4100 0xb6ac6180 0xb6ac9040
```

```
S:c4_phyp[12]: 0xb6acb0c0 0xb6acd140 0xb6ad0000 0xb6ad2080
S:c4_phyp[16]: 0xb6ad4100 0xb6ad6180 0xb6ad9040 0xb6adb0c0
S:c4_phyp[20]: 0xb6add140 0xb6ae0000 0xb6ae2080 0xb6ae4100
S:c4_phyp[24]: 0xb6ae6180 0xb6ae9040 0xb6aeb0c0 0xb6aed140
S:c4_phyp[28]: 0xb6af0000 0xb6af2080 0xb6af4100 0xb6af6180
S:c4_phyp[32]: 0xb6af9040 0xb6afb0c0 0xb6afd140 0xb6b00000
S:c4_phyp[36]: 0xb6b02080 0xb6b04100 0xb6b06180 0xb6b09040
S:c4_phyp[40]: 0xb6b0b0c0 0xb6b0d140 0xb6b10000 0xb6b12080
S:c4_phyp[44]: 0xb6b14100 0xb6b16180 0xb6b19040 0xb6b1b0c0
S:c4_phyp[48]: 0xb6b1d140 0xb6b20000 0xb6b22080 0xb6b24100
S:c4_phyp[52]: 0xb6b26180 0xb6b29040 0xb6b2b0c0 0xb6b2d140
S:c4_phyp[56]: 0xb6b30000 0xb6b32080 0xb6b34100 0xb6b36180
S:c4_phyp[60]: 0xb6b39040 0xb6b3b0c0 0xb6b3d140 0xb6b40000
S:c4_lgcp[00]: 0x97f48000 0x97f4c000 0x97f50000 0x97f54000
S:c4_lgcp[04]: 0x97f58000 0x97f5c000 0x97f60000 0x97f64000
S:c4_lgcp[08]: 0x97f68000 0x97f6c000 0x97f70000 0x97f74000
S:c4_lgcp[12]: 0x97f78000 0x97f7c000 0x97f80000 0x97f84000
S:c4_lgcp[16]: 0x97f88000 0x97f8c000 0x97f90000 0x97f94000
S:c4_lgcp[20]: 0x97f98000 0x97f9c000 0x97fa0000 0x97fa4000
S:c4_lgcp[24]: 0x97fa8000 0x97fac000 0x97fb0000 0x97fb4000
S:c4_lgcp[28]: 0x97fb8000 0x97fbc000 0x97fc0000 0x97fc4000
S:c4_lgcp[32]: 0x97fc8000 0x97fcc000 0x97fd0000 0x97fd4000
S:c4_lgcp[36]: 0x97fd8000 0x97fdc000 0x97fe0000 0x97fe4000
S:c4_lgcp[40]: 0x97fe8000 0x97fec000 0x97ff0000 0x97ff4000
S:c4_lgcp[44]: 0x97ff8000 0x97ffc000 0x8e000000 0x8e004000
S:c4_lgcp[48]: 0x8e008000 0x8e00c000 0x8e010000 0x8e014000
S:c4_lgcp[52]: 0x8e018000 0x8e01c000 0x8e020000 0x8e024000
S:c4_lgcp[56]: 0x8e028000 0x8e02c000 0x8e030000 0x8e034000
S:c4_lgcp[60]: 0x8e038000 0x8e03c000 0x8e040000 0x8e044000
S:chip_timers[00]: 0xb980c720 0xb980c780 0xb980c7e0 0xb980c840
S:chip_timers[04]: 0xb980c8a0 0xb980c900
S:disc_trap_enable_required     0x0             rxlp_disc_log_stop
        0x0
S:curr_rxlp_frm_cnt     0x0             curr_rxlp_disc_frm_cnt  0x0
S:sw_disc_frm_cnt       0x0             last_disc_frm_cnt       0x0
S:txq_nopop_pr_cnt      0x0             pollErrataDfe_ptBM
0xba01b4b0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][0]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][1]  0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][2]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][0] 0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][1]       0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][2] 0x0
S:
S:C4 Logical Port Variables
S:-----------------------------------------------------------------
---------
S:c4_lgc_regp           0x81c18000
S:c4_phyp:
S:      0xb6ab6180      0x0             0x0             0x0

S:      0x0             0x0             0x0             0x0

S:master_phyp           0xb6ab6180      if_id
```

```
0x43020003
S:min_phyp              0x0             max_phyp                0x0
S:num_phy_ports         1               lgc_num                 3
S:num_iu_to             0               sw_txq_bm
        0
S:port_fid              129             unused                  0
S:port_group            0               lgc_stats_clear_ts
               1725611419
S:domain_tbl_sel                0               area_tbl_sel
        0
S:egid_tbl_sel          0
S:serv_lo_bm            0x0
S:
S:Proto Phy Variables:
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4123456      asic_phyp
0xb6ab6180
S:port_id                       0x43028003      phy_cfg
        0xb6ab8000
S:upsm_hdl              0xb800ff00      physm_hdl
0xb800fc80
S:ov_snsm_hdl           0xb800fb40      sw_snsm_hdl
0xb800fbe0
S:ov_lksm_hdl           0xb800fd20      sw_lksm_hdl
0xb800fdc0
S:trksm_hdl             0xb800fe60      lr_flag         0x0
S:lr_active             0x0             qsfp_txrx_rate_sel
        0x0
S:
S:UPSM      UP00: UPST_PORT_DISABLED    --> UP00: UPST_PORT_DISABLED
S:SNSM(OV)  SN00: OV_SNST_STOPPED       --> SN00: OV_SNST_STOPPED
S:SNSM(SW)  SW00: SW_SNST_STAGE_WS      --> SW00: SW_SNST_STAGE_WS
S:PHYSM     PP00: PHYST_STOPPED         --> PP00: PHYST_STOPPED
S:LKSM(OV)  LK00: OV_LKST_INACTIVE      --> LK00: OV_LKST_INACTIVE
S:LKSM(SW)  SW13: INACTIVE              --> SW13: INACTIVE
S:TRKSM     TRK0: TRKST_INIT            --> TRK0: TRKST_INIT
S:
S:physm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8806360      physm_hdl
0xb800fc80
S:force_offline         0               copper                  0
S:fault_reason          0: UNKNOWN
S:phy_media_present             0
S:
S:snsm variables:
S:-------------------------------------------------------------------
---------
S:speed                 0xff            proto_phyp
0xb8806360
S:hw_sn_tries_left      0x0             sw_sn_tries_left        0x0
S:curr_txsp_count               0x0
```

```
S:tx_max                        0x0             curr_tx_indx
        0x0
S:curr_tx                       0x0             curr_rxsp_count
        0x0
S:rx_max                        0x0             curr_rx_indx
        0x0
S:curr_rx                       0x0             rx_mem
        0x0
S:rxsp_rec_count                0x0
S:nc_start              0x0             tx_start                0x0
S:sync_start            0x0             sync_present            0x0
S:diag_auto             0x0             diag_speed              0xff
S:striped_wd_tov                3000            hw_wd_tov
        3000
S:step                  0x0             qsfp28_speed_mode
        0x0
S:qsfp_mode0_hw_sn_tries_left           0x0
S:qsfp_mode1_hw_sn_tries_left           0x0
S:
S:lksm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8806360      ov_lksm_hdl
0xb800fd20
sw_lksm_hdl             0xb800fdc0
num_lf1                 0
S:hw_link_tries_left    0               sw_link_tries_left      0
S:buf_ptype             0x0             stored_entry_state      0x6
S:handshake_owner               0x0             mark_unsent
        0x0
S:busybuf_stuck         0x0             lr_wait                 0x0
S:
S:trksm variables:
S:-------------------------------------------------------------------
---------
S:Not a trunk port
S:
S:upsm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8806360      upsm_hdl
0xb800ff00
S:bb_credits            0               port_beacon             0
S:port_diag_flag                0               force_offline
        0
S:port_fault_rsn                0: PORT_NO_FAULT
S:retry_init_rsn                0: UNKNOWN
S:linit_reason          0               linit_result            0
S:ie_fctl_mode          0               fec_in_sync_tries_left  0
S:retry_sn_fail_init    0
retry_link_fail_init    0
S:excess_lr_count       0
S:
S:c4_ch_cfg
```

```
S:-------------------------------------------------------------------
---------
S:c4_desc_ring_size     256      292      256      256      292
292      2        292      292
S:thresh_def            0        16       1        0
S:intr_tries            500             cmem_pattern
0xdeadbeef
S:cmem_pattern_upwd     2               cmem_init_time          16
S:cmem_init_tries               5
S:ctrl_par_thresh               2               data_par_thresh
        4
S:cam_par_thresh                4               buf_loss_thresh
        12
S:crit_par_thresh               2               non_crit_par_thresh
        6
S:pci_abort_thresh      10              pci_err_thresh          5
S:excess_chintr_thresh  8               sw_err_thresh           20
S:err_sample_period     300             intr_sleep
20000
S:frame_timeout 2500            proxy_dev               16384
S:vf_route      81920           qos             2048
S:stats 2048            f_redirect              2048
S:rsp_trap      2048            lun_zoning              20480
S:area_mode     0               ftb_max_loop[0]         0
S:ftb_max_loop[1]       6               ftb_max_loop[2]         9
S:ftb_max_loop[3]       10              ftb_max_loop[4]         10
S:ftb_max_loop[5]       5               ftb_max_loop[6]         6
S:ftb_seg_size[0]       0               ftb_seg_size[1]
16384
S:ftb_seg_size[2]       65536           ftb_seg_size[3]
16384
S:ftb_seg_size[4]       16384           ftb_seg_size[5]
65536
S:ftb_seg_size[6]       16384           ftb_seg_base[0]         0
S:ftb_seg_base[1]       0               ftb_seg_base[2]
65536
S:ftb_seg_base[3]       16384           ftb_seg_base[4]
32768
S:ftb_seg_base[5]       131072          ftb_seg_base[6]
49152
asic_err_monitor_period1                300
asic_err_monitor_period2                86400
zone_chk_to_poll_period 25
zone_chk_class2_reject_tov              220
S:
S:c4_phy_cfg
S:-------------------------------------------------------------------
---------
S:version = 2.1
S:pt                    0x43028003      fab_ptr
0x9a800000
S:fabattr                       0x9a8000d4      fab_iop
        0x9a800050
S:cfgbm                 0xbb82e384      port_ctrl
```

```
0xb6ab8018
S:pcap.pcap_bm          0x8d215547      pcap.pcap2_bm
0x2588289
S:pcap.pcap3_bm         0x1bebe0c
ui_idx                  58              S:slot_no
        0
is_icl                  0               S:sw_usr_ports          400
S:neg_speed             0 0 0 0 0 0
S:my_domain             0x1             port_mode               0x0
S:hw_sn_maxtries                100             sw_sn_maxtries
        0
S:hw_link_maxtries      10              sw_link_maxtries        5
S:rx_cyc_tov            28              rttov                   300
S:bufrdy_tov            300             busybuf_tov             286
S:mark_tov              300             lksm_tov                3000
S:buf_dealloc_wait      4               hw_wd_tov               3000
S:hw_lk_train_tov               540             hw_lk_test_tov
        150
S:syswait_tx_12_lips    1               lip_rx_tov              55
S:al_time_tov           15              lp_tov                  2000
S:intr_tries_port               500             intr_mod_debounce
        250
S:intr_lsr_flt_debounce 500             intr_efifo_debounce     100
S:port_no_fid           3               excess_ptintr_thresh    8
S:port_fault1_thresh    100             port_fault1_spur_thresh 250
S:port_fault1_disc_thresh       500
port_fault1_disc_spur_thresh    1000
S:port_fault2_thresh    5               losync_tov              100
S:port_sw_link_to               15              en_8g_scramble
        1
frc_hw_sn_mode          0x1
S:enc_poll_thresh               0               fec_enable
        0
S:fec_in_sync_to                50              fec_in_sync_try_max
        4
S:port_be_lto_threshold         100             port_be_lr_threshold
                2
S:be_cr_in_sync_to              5
port_credit_overrun_thresh              10
S:jda_sfp_losig_tov             400
jda_sfp_losig_try_max           30
S:striped_wd_tov                3000
no_sync_debounce                1200
S:
S:      fab_iop
S:======================================
S:fab_iop->interop_mode 0x0             fab_iop->lab_mode       0x0
S:fab_iop->fl_bbc               0x0             fab_iop->fl_fan
        0x0
S:fab_iop->fl_cls               0x4             fab_iop->fl_rscn
        0x0
S:fab_iop->domain_id_offset     0x60            fab_iop-
>mcdt_fabric_mode       0x0
S:fab_iop->mcdt_default_zone            0x0             fab_iop-
```

```
>mcdt_safe_zone         0x0
S:
S:      port_ctrl
S:=======================================
S:port_ctrl.port_type   1               port_ctrl.port_grp      0
S:port_ctrl.port_number 58              port_ctrl.vc_mode       1
S:
S:      port_ctrl.lcap
S:=======================================
S:has_serdes            0               has_media               1
S:topology              1               skip_nego               0
S:skip_pnego            0               skip_init_event         0
S:en_shim                       0               speed_neg
        1
S:loop_back             0               num_speeds              5
S:fec_enable            0
S:
S:      port_ctrl.speed_list array
S:=======================================
S:speed_list[0].auto_neg  1     speed_list[0].lnk_speed  0x0000000a
S:speed_list[1].auto_neg  1     speed_list[1].lnk_speed  0x00000008
S:speed_list[2].auto_neg  1     speed_list[2].lnk_speed  0x00000006
S:speed_list[3].auto_neg  1     speed_list[3].lnk_speed  0x00000005
S:speed_list[4].auto_neg  1     speed_list[4].lnk_speed  0x00000003
S:speed_list[5].auto_neg  0     speed_list[5].lnk_speed  0x00000000
S:
S:      port_ctrl.cm
S:=======================================
S:port_ctrl.cm.num_vcs          8
S:port_ctrl.cm.min_bufs         8
S:port_ctrl.cm.cr_shar_bufs     0
S:port_ctrl.vc_alloc
S:port_ctrl.vc_alloc            2 0 1 1 1 1 1 1
S:port_ctrl.vc_alloc            0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.norm_vc_alloc
S:port_ctrl.norm_vc_alloc       4 0 5 5 5 5 1 1
S:port_ctrl.norm_vc_alloc       0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.cm.skip_bb_credit           0
S:port_ctrl.cm.use_shim_based_sublist           0
S:
S:      port_ctrl.serdes_set
S:=======================================
S:serdes_type           0x8
S:serdes_data_t.ibm_hss_serdes.tx_drive_power           0x1
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b_sign      0x1
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_a           0x0
S:serdes_data_t.ibm_hss_serdes.rxeq                     0x0
S:
S:      cfgbm
S:=======================================
S:old_distance          0x0             gport_lockdown          0x0
```

```
S:tport                 0x1             speed                   0x0
S:disable_eport         0x0             fcacc                   0x0
S:lport_lockdown                0x0             priv_lport_lockdown
        0x0
S:vcxlt_linit           0x0             delay_flogi             0x0
S:isl_interop           0x0             distance                0x0
S:BufStarvFlag          0x0             credit_sharing          0x0
S:lport_halfduplex      0x0             lport_fairness          0x0
S:soft_neg              0x0             asn_frc_hwretry         0x0
S:cr_recov              0x0             fport_buffers           0x0
S:export                        0x0             export_mode
        0x0
S:csctl_en              0x0             mirror_port             0x0
S:fault_delay           0x0             non_dfe                 0x0
S:fec_configured*(0=ENAB)       0               fec_tts
        0
S:port_persistently_disabled (permanently) 0 (0)
S:
S:      cfg property
S:=====================================
S:priv_pcfg_bm          0x00000000      lgcl_pcfg_bm
0xbb82e3c4
S:fport_buffer          0x00000000
S:
S:
S:C4 Discard Cntrs: rxlp_stats = 0xb6ab6530
S:-------------------------------------------------------------------
---------
S:disc_mcast_wka        0x0             disc_inv_did            0x0
S:disc_cl1_cl4          0x0             disc_sid_chk_fail       0x0
S:disc_inv_dom_egid_txpt        0x0             disc_vft_hop_cnt_1
        0x0
S:disc_classf           0x0             disc_fcp_cdb_inv        0x0
S:disc_vfid_trap_enabled        0x0
disc_vfid_hdr_chk_fail  0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_ftb_vm_mode      0x0             disc_ftb_agn_t2_miss    0x0
S:disc_ecb_de_pad_err   0x0             disc_ecb_de_tag_err     0x0
S:disc_ecb_de_seq_err   0x0             disc_ecb_err            0x0
S:disc_ftb_type4_match  0x0             disc_fcp_rsp_ftb_type4  0x0
S:disc_fcp_rsp_ftb_type4        0x0             disc_ftb_type5_match
        0x0
S:disc_ftb_type3_match  0x0             disc_els_ftb_type3      0x0
S:disc_ftb_type1_match  0x0             disc_els_rsp_ex_port    0x0
S:disc_inv_drp_dps      0x0             disc_did_lookup_miss    0x0
S:disc_ftb_type2_match  0x0             disc_trpd_plogi_pdisc   0x0
S:disc_type2_lookup_miss        0x0             disc_ftb_type6_match
        0x0
S:disc_els_rep_ex_port  0x0             disc_els_sid_lkup_bit1  0x0
S:disc_els_sid_lkup_bit0        0x0
disc_bls_frm_trap_bit1  0x0
S:disc_ftb_token_err    0x0             disc_asic_internal_err  0x0
S:disc_hard_zone_miss   0x0             disc_lun_zone_miss      0x0
```

```
S:disc_flt_frame_disc   0x0             disc_flt_parity_err     0x0
S:disc_frame_marked_du  0x0             disc_frame_marked_to    0x0
E:Connection type: FE
E:Port type: E_port
E:Trunk port: No
E:Configured Speed: AUTO_SPEED_NEGO
E:Max Capable Speed: 32G
E:Current SNSM Speed: UNDEFINED
E:Hardware TX Speed: 32G (0x00000004)
E:Hardware RX Speed: 32G (0x00000040)
E:
E:Interrupts:   0           Link_failure:       0
Loss_of_sync:   0           Loss_of_sig:        0
E:Lli:          0           Invalid_word:       0
E:trapped_frm:  0           fwd_status_ok:      0
E:fwd_timeout:  0           fwd_tx_unavail:     0
E:fwd_unroutable:       0           fwd_zone_out:       0
E:fwd_other_err:        0           frm_err_discard:    0
E:Fltr listA:   0           Fltr listB:         0
E:Zone trap fwd:        0           Zone trap disc:     0
E:shim_csum:    0           RTE_perr:           0
E:Invalid_crc:  0           Delim_err:          0
E:Protocol_err: 0
E:Lr_in:        0           Lr_out:             0
E:Ols_in:       0           Ols_out:            0


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                FILTER DATA
                -----------
Shadow settings:
   Filter Enable: 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
```

```
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass: 0x00000000
Real settings:
   Enable RAM: 0x00000000, 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass RAM: 0x00000000

Shadowed filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        c4_fldenable[0] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[0] = 0x00000000,c4_fltr_config[0] = 0x00000000
```

```
Filter 1: Not Installed (MIRROR2)(LISTA)
        c4_fldenable[1] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[1] = 0x00000000,c4_fltr_config[1] = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        c4_fldenable[2] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[2] = 0x00000000,c4_fltr_config[2] = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        c4_fldenable[3] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[3] = 0x00000000,c4_fltr_config[3] = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        c4_fldenable[4] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[4] = 0x00000000,c4_fltr_config[4] = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        c4_fldenable[5] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[5] = 0x00000000,c4_fltr_config[5] = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        c4_fldenable[6] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[6] = 0x00000000,c4_fltr_config[6] = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        c4_fldenable[7] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[7] = 0x00000000,c4_fltr_config[7] = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        c4_fldenable[8] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[8] = 0x00000000,c4_fltr_config[8] = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        c4_fldenable[9] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[9] = 0x00000000,c4_fltr_config[9] = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        c4_fldenable[10] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[10] = 0x00000000,c4_fltr_config[10] =
0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        c4_fldenable[11] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[11] = 0x00000000,c4_fltr_config[11] =
0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        c4_fldenable[12] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[12] = 0x00000000,c4_fltr_config[12] =
0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        c4_fldenable[13] = 0x00000000 0x00000000 0x00000000
0x00000000
```

```
        c4_fldnegate[13] = 0x00000000,c4_fltr_config[13] =
0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        c4_fldenable[14] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[14] = 0x00000000,c4_fltr_config[14] =
0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        c4_fldenable[15] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[15] = 0x00000000,c4_fltr_config[15] =
0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        c4_fldenable[16] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[16] = 0x00000000,c4_fltr_config[16] =
0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        c4_fldenable[17] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[17] = 0x00000000,c4_fltr_config[17] =
0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        c4_fldenable[18] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[18] = 0x00000000,c4_fltr_config[18] =
0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        c4_fldenable[19] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[19] = 0x00000000,c4_fltr_config[19] =
0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        c4_fldenable[20] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[20] = 0x00000000,c4_fltr_config[20] =
0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        c4_fldenable[21] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[21] = 0x00000000,c4_fltr_config[21] =
0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        c4_fldenable[22] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[22] = 0x00000000,c4_fltr_config[22] =
0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        c4_fldenable[23] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[23] = 0x00000000,c4_fltr_config[23] =
0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        c4_fldenable[24] = 0x00000000 0x00000000 0x00000000
```

```
0x00000000
        c4_fldnegate[24] = 0x00000000,c4_fltr_config[24] =
0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        c4_fldenable[25] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[25] = 0x00000000,c4_fltr_config[25] =
0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        c4_fldenable[26] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[26] = 0x00000000,c4_fltr_config[26] =
0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        c4_fldenable[27] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[27] = 0x00000000,c4_fltr_config[27] =
0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        c4_fldenable[28] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[28] = 0x00000000,c4_fltr_config[28] =
0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        c4_fldenable[29] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[29] = 0x00000000,c4_fltr_config[29] =
0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        c4_fldenable[30] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[30] = 0x00000000,c4_fltr_config[30] =
0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        c4_fldenable[31] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[31] = 0x00000000,c4_fltr_config[31] =
0x00000000


Real filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
```

```
Filter 3: Not Installed (MIRROR4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
```

```
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
```

```
Filter 30: Not Installed (IPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000

Filter dirty indicator: 0x00000000
Performance filters: 0
Port Mirror filters: 0 (0x0)


                FIELD DATA
                ----------

Shadowed fields:

fldoffset[0] = 0x00,fldmask[0] = 0x00,fldvalue_dyna[0]:0x00 0x00
0x00 0x00
fldcontrol[0].inuse = 0x0  fldcontrol[0].refcnt = 0x00 0x00 0x00
0x00
fldoffset[1] = 0x00,fldmask[1] = 0x00,fldvalue_dyna[1]:0x00 0x00
0x00 0x00
fldcontrol[1].inuse = 0x0  fldcontrol[1].refcnt = 0x00 0x00 0x00
0x00
fldoffset[2] = 0x00,fldmask[2] = 0x00,fldvalue_dyna[2]:0x00 0x00
0x00 0x00
fldcontrol[2].inuse = 0x0  fldcontrol[2].refcnt = 0x00 0x00 0x00
0x00
fldoffset[3] = 0x00,fldmask[3] = 0x00,fldvalue_dyna[3]:0x00 0x00
0x00 0x00
fldcontrol[3].inuse = 0x0  fldcontrol[3].refcnt = 0x00 0x00 0x00
0x00
fldoffset[4] = 0x00,fldmask[4] = 0x00,fldvalue_dyna[4]:0x00 0x00
0x00 0x00
fldcontrol[4].inuse = 0x0  fldcontrol[4].refcnt = 0x00 0x00 0x00
0x00
fldoffset[5] = 0x00,fldmask[5] = 0x00,fldvalue_dyna[5]:0x00 0x00
0x00 0x00
fldcontrol[5].inuse = 0x0  fldcontrol[5].refcnt = 0x00 0x00 0x00
0x00
fldoffset[6] = 0x00,fldmask[6] = 0x00,fldvalue_dyna[6]:0x00 0x00
0x00 0x00
fldcontrol[6].inuse = 0x0  fldcontrol[6].refcnt = 0x00 0x00 0x00
0x00
fldoffset[7] = 0x00,fldmask[7] = 0x00,fldvalue_dyna[7]:0x00 0x00
0x00 0x00
fldcontrol[7].inuse = 0x0  fldcontrol[7].refcnt = 0x00 0x00 0x00
0x00
fldoffset[8] = 0x00,fldmask[8] = 0x00,fldvalue_dyna[8]:0x00 0x00
0x00 0x00
fldcontrol[8].inuse = 0x0  fldcontrol[8].refcnt = 0x00 0x00 0x00
```

```
0x00
fldoffset[9] = 0x00,fldmask[9] = 0x00,fldvalue_dyna[9]:0x00 0x00
0x00 0x00
fldcontrol[9].inuse = 0x0  fldcontrol[9].refcnt = 0x00 0x00 0x00
0x00
fldoffset[10] = 0x00,fldmask[10] = 0x00,fldvalue_dyna[10]:0x00 0x00
0x00 0x00
fldcontrol[10].inuse = 0x0  fldcontrol[10].refcnt = 0x00 0x00 0x00
0x00
fldoffset[11] = 0x00,fldmask[11] = 0x00,fldvalue_dyna[11]:0x00 0x00
0x00 0x00
fldcontrol[11].inuse = 0x0  fldcontrol[11].refcnt = 0x00 0x00 0x00
0x00
fldoffset[12] = 0x00,fldmask[12] = 0x00,fldvalue_dyna[12]:0x00 0x00
0x00 0x00
fldcontrol[12].inuse = 0x0  fldcontrol[12].refcnt = 0x00 0x00 0x00
0x00
fldoffset[13] = 0x00,fldmask[13] = 0x00,fldvalue_dyna[13]:0x00 0x00
0x00 0x00
fldcontrol[13].inuse = 0x0  fldcontrol[13].refcnt = 0x00 0x00 0x00
0x00
fldoffset[14] = 0x00,fldmask[14] = 0x00,fldvalue_dyna[14]:0x00 0x00
0x00 0x00
fldcontrol[14].inuse = 0x0  fldcontrol[14].refcnt = 0x00 0x00 0x00
0x00
fldoffset[15] = 0x00,fldmask[15] = 0x00,fldvalue_dyna[15]:0x00 0x00
0x00 0x00
fldcontrol[15].inuse = 0x0  fldcontrol[15].refcnt = 0x00 0x00 0x00
0x00
fldoffset[16] = 0x00,fldmask[16] = 0x00,fldvalue_dyna[16]:0x00 0x00
0x00 0x00
fldcontrol[16].inuse = 0x0  fldcontrol[16].refcnt = 0x00 0x00 0x00
0x00
fldoffset[17] = 0x00,fldmask[17] = 0x00,fldvalue_dyna[17]:0x00 0x00
0x00 0x00
fldcontrol[17].inuse = 0x0  fldcontrol[17].refcnt = 0x00 0x00 0x00
0x00
fldoffset[18] = 0x00,fldmask[18] = 0x00,fldvalue_dyna[18]:0x00 0x00
0x00 0x00
fldcontrol[18].inuse = 0x0  fldcontrol[18].refcnt = 0x00 0x00 0x00
0x00
fldoffset[19] = 0x00,fldmask[19] = 0x00,fldvalue_dyna[19]:0x00 0x00
0x00 0x00
fldcontrol[19].inuse = 0x0  fldcontrol[19].refcnt = 0x00 0x00 0x00
0x00

Real fields:

fldoffset RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fldmask RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fld value4 RAM:
0x00000000
```

```
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
Field dirty indicator: 0x00000000

FDB reference count fdb: 0 [0 0 0 0 ]
FDB reference count fdb: 1 [0 0 0 0 ]
FDB reference count fdb: 2 [0 0 0 0 ]
FDB reference count fdb: 3 [0 0 0 0 ]
FDB reference count fdb: 4 [0 0 0 0 ]
FDB reference count fdb: 5 [0 0 0 0 ]
FDB reference count fdb: 6 [0 0 0 0 ]
FDB reference count fdb: 7 [0 0 0 0 ]
FDB reference count fdb: 8 [0 0 0 0 ]
FDB reference count fdb: 9 [0 0 0 0 ]
FDB reference count fdb: 10 [0 0 0 0 ]
FDB reference count fdb: 11 [0 0 0 0 ]
FDB reference count fdb: 12 [0 0 0 0 ]
FDB reference count fdb: 13 [0 0 0 0 ]
FDB reference count fdb: 14 [0 0 0 0 ]
FDB reference count fdb: 15 [0 0 0 0 ]
FDB reference count fdb: 16 [0 0 0 0 ]
FDB reference count fdb: 17 [0 0 0 0 ]
FDB reference count fdb: 18 [0 0 0 0 ]
FDB reference count fdb: 19 [0 0 0 0 ]

Filter counters:
   Filter counter 0: 0  (MIRROR1)
   Filter counter 1: 0  (MIRROR2)
   Filter counter 2: 0  (MIRROR3)
   Filter counter 3: 0  (MIRROR4)
   Filter counter 4: 0  (AEPORT_NON_MIRR_DROP)
   Filter counter 5: 0  (ZONING TRAP)
   Filter counter 6: 0  (FCR_EXPORT_DC)
   Filter counter 7: 0  (TIN TRAP)
   Filter counter 8: 0  (FICON CUP)
   Filter counter 9: 0  (FICON CUP DST)
   Filter counter 10: 0 (WELL KNOWN ADDR)
```

```
   Filter counter 11: 0 (SIM)
   Filter counter 12: 0 (UNUSED)
   Filter counter 13: 0 (UNUSED)
   Filter counter 14: 0 (UNUSED)
   Filter counter 15: 0 (UNUSED)
   Filter counter 16: 0 (PERF1)
   Filter counter 17: 0 (PERF2)
   Filter counter 18: 0 (PERF3)
   Filter counter 19: 0 (PERF4)
   Filter counter 20: 0 (PERF5)
   Filter counter 21: 0 (PERF6)
   Filter counter 22: 0 (PERF7)
   Filter counter 23: 0 (PERF8)
   Filter counter 24: 0 (PERF9)
   Filter counter 25: 0 (PERF10)
   Filter counter 26: 0 (PERF11)
   Filter counter 27: 0 (PERF12)
   Filter counter 28: 0 (OPM1)
   Filter counter 29: 0 (OPM2)
   Filter counter 30: 0 (IPM1)
   Filter counter 31: 0 (IPM2)

               ACL DATA
               --------
Logical port 3: Hard Zoning disabled, Soft Zoning disabled
Zone type: WWN Zoning
Frames with hard zone miss: 0

*** Please use filterportshow on user port 56 to display ACL hash
tables and Mirroring resources of thischip.
 ***We show this data only for the first physical port which is an
exernal port.

portFcPortCmdShow --slot 0 59 3
doing portFcPortCmdShow: arg1 = 3, arg2 = -2

portshow 59
portDisableReason: None
portCFlags: 0x0
portFlags: 0x4021        PRESENT U_PORT DISABLED LED
LocalSwcFlags: 0x0
portType:  26.0
POD Port: Need license to enable the port
portState: 2    Offline
Protocol: FC
portPhys:  2    No_Module       portScn:   2    Offline
port generation number:    0
state transition count:    0

portId:    013b00
portIfId:    43020001
portWwn:   20:3b:d8:1f:cc:2c:99:90
portWwn of device(s) connected:
16b Area list:
```

```
Distance:  normal
portSpeed: N32Gbps

FEC: Inactive
Credit Recovery: Inactive
LE domain: 0
Peer beacon: Off
FC Fastwrite: OFF
Interrupts:        0          Link_failure: 0          Frjt:
0
Unknown:           0          Loss_of_sync: 0          Fbsy:
0
Lli:               0          Loss_of_sig:  0
Proc_rqrd:         0          Protocol_err: 0
Timed_out:         0          Invalid_word: 0
Tx_unavail:        0          Invalid_crc:  0
Delim_err:         0          Address_err:  0
Lr_in:             0          Ols_in:       0
Lr_out:            0          Ols_out:      0


portloginshow 59
Type  PID     World Wide Name        credit df_sz cos
=====================================================


portloginshow 59 –history
 Type  PID      World Wide Name           logout time
============================================================


portregshow 59

LED registers
=============
0x81c0a000: c4_led_status           00000000    0x81c0a004:
c4_led_ctl              00000000

FPL registers
=============
0x81c08200: fpl_port_config         23490000
0x81c0820c: fpl_port_id_ctl         00000000    0x81c08210:
fpl_port_id_addr        00013b00
0x81c08214: fpl_port_speed          00000004    0x81c0821c:
fpl_lli_ctl             00000903
0x81c08228: fpl_lli_os_ctl          bc95b5b5    0x81c0822c:
fpl_lli_send_word       bc95b5b5
0x81c08230: fpl_lli_mark_rx         00000000    0x81c08234:
fpl_lli_rnd_trip_time   00000000
0x81c08238: fpl_lli_ns_status       00070007    0x81c0823c:
fpl_lli_intr_status     80070007
0x81c08244: fpl_lli_def             00000000    0x81c08254:
fpl_lli_intr_enable_clr 00100000
0x81c08258: fpl_err_intr_status     00000000    0x81c08260:
```

```
fpl_err_intr_enable_clr 00000000
0x81c08268: fpl_err_first_error     00000000    0x81c0826c:
fpl_speed_neg_ctl       00000000
0x81c08270: fpl_speed_neg_stat      00000000    0x81c08274:
fpl_softasn_ctl         0000000f
0x81c08278: fpl_link_init_ctl       00000000    0x81c0827c:
fpl_link_init_stat      00000000
0x81c08280: fpl_aec_ctl             00051060    0x81c08284:
fpl_aec_ctl2            04009f60
0x81c08288: fpl_pcs_ctl             00000160    0x81c0828c:
fpl_fec_ctl             00000441
0x81c08290: fpl_fec_cor             00000000    0x81c08294:
fpl_fec_uncor           00000000
0x81c08298: fpl_hss_link_ctl        0031f040    0x81c0829c:
fpl_afifo_link_ctl      00000a86
0x81c082a0: fpl_echo_lb_ctl         0000028c    0x81c082a4:
fpl_scratch             00000121
0x81c082a8: fpl_debug               00030005    0x81c082ac:
fpl_misc_debug          00001800
0x00000000: SW_shadow_reg           00000000    0x00000000:
SW_c4_phyp->cfgptr      00030000

per-fpg (per octet) registers
=============================
0x8180382c: fpg_serdes_ctla0        81a37be7    0x81803830:
fpg_serdes_ctla1        81a37be7
0x81803834: fpg_serdes_ctlb0        81a1c3c3    0x81803838:
fpg_serdes_ctlb1        81a1c3c3
0x8180383c: fpg_serdes_xgmii_1ms    00067c28    0x81803840:
fpg_serdes_regtimctl    40e47946
0x81803844: fpg_serdes_asnrsttimctl 00000102

HSS PLL registers
=============================
0x81801400: 00_hssplla_vco_coarse_cal0      00000000    0x81801404:
01_hssplla_vco_coarse_cal1      00000014
0x81801408: 02_hssplla_vco_coarse_cal2      00000000    0x8180140c:
03_hssplla_vco_coarse_cal3      00000000
0x81801410: 04_hssplla_vco_coarse_cal4      00000000    0x81801424:
09_hssplla_power_ctl            00000000
0x81801428: 0A_hssplla_charge_pump_ctl      00000004    0x81801438:
0E_hssplla_pll_misc_ctl         00000000
0x8180143c: 0F_hssplla_pclk_ctl             000000f8    0x81801440:
10_hssplla_eyem_intv_ctl        00000000
0x81801444: 11_hssplla_eyem_intv_lim1       00000000    0x81801448:
12_hssplla_eyem_intv_lim2       00000000
0x8180144c: 13_hssplla_eyem_intv_lim3       00000000    0x81801450:
14_hssplla_eyem_intv_lim4       00000000
0x818014f0: 3C_hssplla_macro_tst_ctl4       00000000    0x818014f4:
3D_hssplla_macro_tst_ctl3       00000000
0x818014f8: 3E_hssplla_macro_tst_ctl2       00000000    0x818014fc:
3F_hssplla_macro_tst_ctl1       00000000
0x81801500: 00_hssp1lb_vco_coarse_cal0      0000000a    0x81801504:
01_hssp1lb_vco_coarse_cal1      00000014
```

```
0x81801508: 02_hssplb_vco_coarse_cal2      00000000    0x8180150c:
03_hssplb_vco_coarse_cal3      00000000
0x81801510: 04_hssplb_vco_coarse_cal4      00000000    0x81801524:
09_hssplb_power_ctl            00000000
0x81801528: 0A_hssplb_charge_pump_ctl      00000004    0x81801538:
0E_hssplb_pll_misc_ctl         00000000
0x8180153c: 0F_hssplb_pclk_ctl             000000f8    0x81801540:
10_hssplb_eyem_intv_ctl        00000000
0x81801544: 11_hssplb_eyem_intv_lim1       00000000    0x81801548:
12_hssplb_eyem_intv_lim2       00000000
0x8180154c: 13_hssplb_eyem_intv_lim3       00000000    0x81801550:
14_hssplb_eyem_intv_lim4       00000000
0x818015f0: 3C_hssplb_macro_tst_ctl4       00000000    0x818015f4:
3D_hssplb_macro_tst_ctl3       00000000
0x818015f8: 3E_hssplb_macro_tst_ctl2       00000000    0x818015fc:
3F_hssplb_macro_tst_ctl1       00000000

HSS TX registers
================
0x81800100: 00_hsstx_cfg_mode_PHY          00009f48    0x81800104:
01_hsstx_test_ctl              00000000
0x81800108: 02_hsstx_coeff_ctl_INV         00000000    0x8180010c:
03_hsstx_drv_mode_ctl          00000000
0x81800110: 04_hsstx_drv_ovrd_ctl          00000010    0x81800114:
05_hsstx_dclk_align_ovrd       00000080
0x81800118: 06_hsstx_imp_cal_ovrd          00000c0c    0x8180011c:
07_hsstx_dclk_drift_tol        00000004
0x81800120: 08_hsstx_tap0_coeff_TUNE       00000000    0x81800124:
09_hsstx_tap1_coeff_TUNE       00000003
0x81800128: 0A_hsstx_tap2_coeff_TUNE       00000018    0x8180012c:
0B_hsstx_tap3_coeff_TUNE       0000000d
0x81800134: 0D_hsstx_pol_INV               00000004    0x81800138:
0E_hsstx_ae_cmd                00000000
0x8180013c: 0F_hsstx_ae_stat               00000000    0x81800140:
10_hsstx_ae_tap0_TUNE          00000000
0x81800144: 11_hsstx_ae_tap1_TUNE          00000000    0x81800148:
12_hsstx_ae_tap2_TUNE          00000028
0x8180014c: 13_hsstx_ae_tap3_TUNE          00000000    0x81800154:
15_hsstx_app_tune              0000120e
0x81800158: 16_hsstx_analog_diag           00000000    0x81800160:
18_hsstx_4x_seg_app            0000aafa
0x81800164: 19_hsstx_2x_seg_app            00000000    0x81800168:
1A_hsstx_1x_seg_app            0000ff5d
0x8180016c: 1B_hsstx_seg_4x_term_app       00000000    0x81800170:
1C_hsstx_seg_2x1x_term_app     00000f00
0x81800174: 1D_hsstx_tap_sign_app          00000004    0x81800178:
1E_hsstx_ext_addr_data         00000001
0x8180017c: 1F_hsstx_ext_addr_addr         00000000    0x81800180:
20_hsstx_pat_buf_bytes_1_0     00000000
0x81800184: 21_hsstx_pat_buf_bytes_3_2     00000000    0x81800188:
22_hsstx_pat_buf_bytes_5_4     00000000
0x8180018c: 23_hsstx_pat_buf_bytes_7_6     00000000    0x8180019c:
27_hsstx_8023az_ctl            00000000
0x818001a0: 28_hsstx_dcc_ctl               000060c0    0x818001a4:
```

```
29_hsstx_dcc_ovrd               00001000
0x818001a8: 2A_hsstx_dcc_app                0000008a    0x818001ac:
2B_hsstx_dcc_timeout            0000ffff
0x818001c0: 30_hsstx_tap_sign_ovrd          00000000    0x818001c8:
32_hsstx_seg_4x_ovrd            00000000
0x818001cc: 33_hsstx_seg_2x_ovrd            00000000    0x818001d0:
34_hsstx_seg_1x_ovrd            00000000
0x818001d8: 36_hsstx_tap_seg_4x_term_ovrd   00000000    0x818001dc:
37_hsstx_tap_seg_2x_term_ovrd   00000000
0x818001e0: 38_hsstx_tap_seg_1x_term_ovrd   00000000    0x818001ec:
3B_hsstx_mac_test_ctl5          00000000
0x818001f0: 3C_hsstx_mac_test_ctl4          00000000    0x818001f4:
3D_hsstx_mac_test_ctl3          00000000
0x818001f8: 3E_hsstx_mac_test_ctl2          00000000    0x818001fc:
3F_hsstx_mac_test_ctl1          000000c6

HSS RX registers
================
0x81800300: 00_hssrx_cfg_mode_PHY           00009e78    0x81800304:
01_hssrx_test_ctl               00000000
0x81800308: 02_hssrx_phs_rot_ctl            0000cb80    0x8180030c:
03_hssrx_phs_rot_ofs_ctl        00000610
0x81800310: 04_hssrx_phs_rot_posn1          00001614    0x81800314:
05_hssrx_phs_rot_posn2          00000006
0x81800318: 06_hssrx_phs_rot_sta_ofs1       00000000    0x8180031c:
07_hssrx_phs_rot_sta_ofs2       0000001e
0x81800320: 08_hssrx_dfe_ctl_PHY            00002002    0x81800324:
09_hssrx_dfe_smpl_snap1         00000000
0x81800328: 0A_hssrx_dfe_smpl_snap2         00008000    0x8180032c:
0B_hssrx_vga_ctl1               00004001
0x81800330: 0C_hssrx_vga_ctl2               00007aa0    0x81800334:
0D_hssrx_vga_ctl3               000009e4
0x81800338: 0E_hssrx_pwr_mgmnt_ctl          0000001f    0x8180033c:
0F_hssrx_iqamp_ctl1             0000001a
0x81800340: 10_hssrx_iqamp_ctl2             00000006    0x81800344:
11_hssrx_dacap_dacan_sel        00000003
0x81800348: 12_hssrx_dacap_dacan            0000fffd    0x8180034c:
13_hssrx_daca_min               00000000
0x81800350: 14_hssrx_adac_ctl               000000ff    0x81800354:
15_hssrx_ac_cp_ctl              000031c3
0x81800358: 16_hssrx_ac_cp_val              00000051    0x8180035c:
17_hssrx_dfe_h1h2h3_lcl_off_ch  00000014
0x81800360: 18_hssrx_dfe_h1h2h3_lcl_off_val 00000000    0x81800364:
19_hssrx_peaked_intg            000000ff
0x81800368: 1A_hssrx_cdr_analog_sw          0000ce00    0x8180036c:
1B_hssrx_peaking_amp_init_c_PHY 00000000
0x81800370: 1C_hssrx_dac_dpc                00000040    0x81800374:
1D_hssrx_ddc                    00000000
0x81800378: 1E_hssrx_int_stat_PHY           00000c0f    0x8180037c:
1F_hssrx_dfe_func_ctl1_PHY      0000ffff
0x81800380: 20_hssrx_dfe_func_ctl2_INV      00007eff    0x81800384:
21_hssrx_ofs_ch_dcc_qcc_idx     00002000
0x81800388: 22_hssrx_dfe_ofs_val            00000706    0x8180038c:
23_hssrx_h_coeff_bist           0000040b
```

```
0x81800390: 24_hssrx_ac_cap_bist            0000002f    0x81800394:
25_hssrx_max_gain_path_idx_res  00007800
0x81800398: 26_hssrx_loff_ctl               00000054    0x8180039c:
27_hssrx_sigdet_ctl             00002f80
0x818003a0: 28_hssrx_ana_ctl_sw             00000000    0x818003a4:
29_hssrx_intg_dac_ofs           0000dfde
0x818003a8: 2A_hssrx_eye_ctl                00000000    0x818003ac:
2B_hssrx_eye_met                00000004
0x818003b0: 2C_hssrx_eye_met_err_cnt        00000000    0x818003b4:
2D_hssrx_eye_met_pdf_eyec       00000000
0x818003b8: 2E_hssrx_eye_met_pat_len        0000007f    0x818003bc:
2F_hssrx_dfe_func_ctl3          0000dfff
0x818003c0: 30_hssrx_dfe_tap_ctl_idx_ptr    00000008    0x818003c4:
31_hssrx_dfe_tap                00003030
0x818003c8: 32_hssrx_lte_ctl_TUNE           00001601    0x818003e4:
39_hssrx_int_stat2              000041ff
0x818003e8: 3A_hssrx_ac_cpl_cur_src_adj     00000040    0x818003ec:
3B_hssrx_dcd_ctl                00007c50
0x818003f0: 3C_hssrx_dcc_ctl                00000d41    0x818003f4:
3D_hssrx_qcc_ctl                00006947
0x818003f8: 3E_hssrx_mac_test_ctl2          00000000    0x818003fc:
3F_hssrx_mac_test_ctl1          00000000
0x81800348: 12_hssrx_dacap_dacan[02]                00fd fffd
0x81800360: 18_hssrx_dfe_h1h2h3_lcl_off_va[00]      0000 0000   0000
0000   0000 0000   0000 0000
0x81800360: 18_hssrx_dfe_h1h2h3_lcl_off_va[08]      0000 0000   0000
0000   0000 0000   0000 0000
0x81800360: 18_hssrx_dfe_h1h2h3_lcl_off_va[16]      0000 0000   0000
0000   0000
0x81800388: 22_hssrx_dfe_ofs_val[00][00]            0706 7f00   797f
0000   0b09 7f7f
0x81800388: 22_hssrx_dfe_ofs_val[03][00]            057f 7f7f   017a
0000   067d 7f00
0x81800388: 22_hssrx_dfe_ofs_val[06][00]            037f 7f00   0208
7f7f   0401 7e7f
0x81800388: 22_hssrx_dfe_ofs_val[09][00]            7e03 007f   017f
0000   7f05 0000
0x81800388: 22_hssrx_dfe_ofs_val[12][00]            7906 0000   0506
0000   7902 0000
0x81800388: 22_hssrx_dfe_ofs_val[15][00]            0105 0000   7f05
0000   7a79 0000
0x81800388: 22_hssrx_dfe_ofs_val[18][00]            7c7f 0000   7f79
0000   0004 0000
0x81800388: 22_hssrx_dfe_ofs_val[21][00]            0004 0000   0004
0000   0004 0000
0x81800388: 22_hssrx_dfe_ofs_val[24][00]            0605 0000   7d01
0000   7b7d 0000
0x81800394: 25_hssrx_max_gain_path_idx_res[00]      005c 084a   1011
189f   20cf 289f   3086 3800
0x81800394: 25_hssrx_max_gain_path_idx_res[08]      409f 487f   506f
5800   6040 6800   70fa 7800
0x818003c4: 31_hssrx_dfe_tap[00]                    fffe 8080   0000
0000   0030 0030   3030 3030
0x818003c4: 31_hssrx_dfe_tap[08]                    3030 3030   3030
```

```
0000
0x818003e8: 3A_hssrx_ac_cpl_cur_src_adj[00]         0040 0040   0040
0040
0x818003ec: 3B_hssrx_dcd_ctl[00]                    7c50 5c00   7c83
5c00   7c81
0x818003f0: 3C_hssrx_dcc_ctl[00]                    0d41 0d00   0d41
0d83
0x818003f4: 3D_hssrx_qcc_ctl[00]                    6947 6947

xfipcs, fec, aec, & aet registers
=================================
0x81c08400: xfipcs_reg              [00] 00002040 00000080 00000000
00000000    00000001 00000008 00000000 00000000
0x81c08420: xfipcs_reg              [08] 00008c01 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c08440: xfipcs_reg              [16] 00000000 00000000 00000000
00000000    00000040 00000000 00000000 00000000
0x81c08460: xfipcs_reg              [24] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c08480: xfipcs_reg              [32] 00000004 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c08620: fec_32g_128g_reg        [08] 00000000 00000000 00000000
00000000    00000000 00000000 00000000
0x81c08648: fec_32g_128g_reg        [18] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c08a00: aec_reg                 [00] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c08c00: aet_reg                 [00] 00000000 00000000 00000000
00000000    00000000

bbc registers
=============
0x81c09800: bbc_trc                 0    0    0    0    0    0    0
0
0x81c09840: bbc_trc                 0    0    0    0    0    0    0
0
0x81c09880: bbc_trc                 0    0    0    0    0    0    0
0
0x81c098c0: bbc_trc                 0    0    0    0    0    0    0
0
0x81c09900: bbc_trc                 0    0    0    0    0    0    0
0
0x81c09804: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c09844: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c09884: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c098c4: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c09904: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c09a00: bbc_rcc                 0    0    0    0    0    0    0
0
```

```
0x81c09a20: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c09a40: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c09a60: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c09a80: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c09c00: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c09c20: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c09c40: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c09c60: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c09c80: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c09d00: bbc_fbpc                00000000    0x81c09d04: bbc_csc
00000000
0x81c09d08: bbc_rcc_inc             00000000    0x81c09d0c:
bbc_rqc_inc             00000000
0x81c09d10: bbc_fbpc_inc            00000000    0x81c09d14:
bbc_tmc_inc             00000000
0x81c09d18: bbc_threshold           00080100    0x81c09d1c:
bbc_counter_clr         00000000
0x81c09d20: bbc_debug_en            00000000    0x81c09d24: bbc_ctrl
00200020
0x81c09d28: bbc_rqc_rcc_thresh      00000055    0x81c09d34:
bbc_bb_sc_n             00000000
0x81c09d38: bbc_crd_reco_debug      00000000    0x81c09d3c:
bbc_crd_reco_debug_data 00000000
0x81c09d40: bbc_multi_frm_loss_cnt  00000000    0x81c09d44:
bbc_multi_rdy_loss_cnt  00000000
0x81c09d48: bbc_1frm_loss_recov_cnt 00000000    0x81c09d4c:
bbc_1rdy_loss_recov_cnt 00000000
0x81c09d58: bbc_int_status          00000000    0x81c09d5c:
bbc_int_set             00000000
0x81c09d60: bbc_int_first           00000000    0x81c09d64:
bbc_frm_rdy_rx_err_addr 00000000
0x81c09d68: bbc_frm_rdy_tx_err_addr 00000000    0x81c09d6c:
bbc_trc_mbc_err_addr    00000000
0x81c09d70: bbc_frm_rdy_rx_dbl_ecc  00000000    0x81c09d74:
bbc_frm_rdy_tx_dbl_ecc  00000000
0x81c09d78: bbc_trc_mbc_dbl_ecc     00000000
0x81c09d7c: bbc_fsm_status          00001011    0x81c09d80:
bbc_force_err           00000000
0x81c09d84: bbc_crdt_avail0         ffffffff    0x81c09d88:
bbc_crdt_avail1         000000ff
0x81c09d8c: bbc_scratch             00000000

FPS registers
=============
0x81c08004: fps_er_enc_in           00000000    0x81c08008:
```

```
fps_er_crc              00000000
0x81c0800c: fps_er_trunc            00000000    0x81c08010:
fps_er_toolong          00000000
0x81c08014: fps_er_bad_eof          00000000    0x81c08018:
fps_er_enc_out          00000000
0x81c0801c: fps_er_bad_os           00000000    0x81c08020:
fps_er_flush            00000000
0x81c08024: fps_er_ifg              00000000    0x81c08038:
fps_er_crc_good_eof     00000000
0x81c0803c: fps_inv_arb             00000000    0x81c08040:
fps_slow_sts_status     00000000
0x81c08044: fps_tx_frm_cnt          00000000    0x81c08048:
fps_rx_frm_cnt          00000000
0x81c08050: fps_tx_word_cnt_hi      00000000    0x81c0804c:
fps_tx_word_cnt_lo      00000000
0x81c08058: fps_rx_word_cnt_hi      00000000    0x81c08054:
fps_rx_word_cnt_lo      00000000

BAL registers
=============
0x81c0f000: bal_desired_buf         00000000    0x81c0f004:
bal_alloc_buf           00000000
0x81c0f008: bal_busy_buf            00000000    0x81c0f00c:
bal_usable_buf          00000000
0x81c0f010: bal_max_bor_buf         00000000
0x81c0f014: bal_busy_buf_thresh     00000002

TXQ registers
=============
0x81c0b004: txq_phys_port_ctl       00410000
0x81c0b050: txq_link_skew           00000000
0x81c0b068: txq_cr_lk_dttn_intr_sts [00] 00000000 00000000
0x81c0b070: txq_cr_lk_dttn_intr_en  [00] 00000000 00000000
0x81c0b024: txq_disc_frm_trap_cnt   00000014

FDS registers
=============
0x81c0c000: fds_rxf_ctl             00000002    0x81c0c004:
fds_rxf_wait_thresh     00000909
0x81c0c018: fds_rxf_first_error     00000000    0x81c0c01c:
fds_rxf_first_error_info00000000
0x81c0c020: fds_rxf_inout_pkt_cnt   00000000
0x81c0c008: fds_rxf_err_int_status  00000000    0x81c0c024:
fds_rxf_fifo_status     00888888
0x81c0d000: fds_txf_ctl             0000003a    0x81c0d004:
fds_txf_wait_ifg_thresh 00a00106
0x81c0d008: fds_txf_err_int_status  00000000    0x81c0d024:
fds_txf_fifo_status     00088888
0x81c0d02c: fds_txf_bbc_scs         00000000

Logical TXQ registers
=====================
0x81c0b000: txq_log_port_ctl        00000002    0x81c0b008:
txq_port_status         00000000
```

```
0x81c0b00c: txq_todo_flags          [00] 00000000 00000000
0x81c0b014: txq_spd_match_desc      [00] 00000000 00000000 00000000
00000000
0x81c0b024: txq_spd_match_desc      [04] 00000014
0x81c0b028: txq_vc_weight           [00] 01010101 01010101 01010101
01010101
0x81c0b038: txq_vc_weight           [04] 01010101 01010101 01010101
01010101
0x81c0b048: txq_vc_weight           [08] 01010101 00010101
0x81c0b054: txq_cong_dttn_ctrl      00000000
0x81c0b058: txq_cong_dttn_intr_sts  [00] 00000000 00000000
0x81c0b060: txq_cong_dttn_intr_en   [00] 00000000 00000000
0x81c0b078: txq_bw_limit_en_reg     [00] 00000000 00000000
0x81c0b080: txq_bw_gua_en_reg       [00] 00000000 00000000
0x81c0b088: txq_vc_group            [00] 03030300 03030303 03030303
03030303
0x81c0b098: txq_vc_group            [04] 03030303 03030303 03030303
03030303
0x81c0b0a8: txq_vc_group            [08] 03030303 03030303 00000000
00000000
0x81c0b0b0: txq_bw_thresh_group     [00] 00000000 00000000 00000000
00000000
0x81c0b0c0: txq_bw_thresh_group     [04] 00000000 00000000 00000000
00000000
0x81c0b0d0: txq_bw_thresh_group     [08] 00000000 00000000 00000000
00000000
0x81c0b0e0: txq_bw_thresh_group     [12] 00000000 00000000 00000000
00000000
0x81c0b0f0: txq_bw_thresh_group     [16] 00000000 00000000 00000000
00000000
0x81c0b100: txq_bw_thresh_group     [20] 00000000 00000000 00000000
00000000
0x81c0b110: txq_bw_thresh_group     [24] 00000000 00000000 00000000
00000000
0x81c0b120: txq_bw_thresh_group     [28] 00000000 00000000 00000000
00000000
0x81c0b130: txq_bw_thresh_group     [32] 00000000 00000000 00000000
00000000
0x81c0b140: txq_bw_thresh_group     [36] 00000000 00000000 00000000
00000000

txq Congestion detection Statistics RAM
=======================================
0x810900a0: vc[0]       00000000        0x810900a4: vc[1]
00000000
0x810900a8: vc[2]       00000000        0x810900ac: vc[3]
00000000
0x810900b0: vc[4]       00000000        0x810900b4: vc[5]
00000000
0x810900b8: vc[6]       00000000        0x810900bc: vc[7]
00000000
0x810900c0: vc[8]       00000000        0x810900c4: vc[9]
00000000
0x810900c8: vc[10]      00000000        0x810900cc: vc[11]
```

```
00000000
0x810900d0: vc[12]      00000000        0x810900d4: vc[13]
00000000
0x810900d8: vc[14]      00000000        0x810900dc: vc[15]
00000000
0x810900e0: vc[16]      00000000        0x810900e4: vc[17]
00000000
0x810900e8: vc[18]      00000000        0x810900ec: vc[19]
00000000
0x810900f0: vc[20]      00000000        0x810900f4: vc[21]
00000000
0x810900f8: vc[22]      00000000        0x810900fc: vc[23]
00000000
0x81090100: vc[24]      00000000        0x81090104: vc[25]
00000000
0x81090108: vc[26]      00000000        0x8109010c: vc[27]
00000000
0x81090110: vc[28]      00000000        0x81090114: vc[29]
00000000
0x81090118: vc[30]      00000000        0x8109011c: vc[31]
00000000
0x81090120: vc[32]      00000000        0x81090124: vc[33]
00000000
0x81090128: vc[34]      00000000        0x8109012c: vc[35]
00000000
0x81090130: vc[36]      00000000        0x81090134: vc[37]
00000000
0x81090138: vc[38]      00000000        0x8109013c: vc[39]
00000000


Logical STS registers
=====================
0x81584144: sts_ftb_type1_miss      00000000
0x81584148: sts_ftb_type2_miss      00000000
0x8158414c: sts_ftb_type6_miss      00000000
0x81584150: sts_hard_zoning_miss    00000000
0x81584154: sts_lun_zoning_miss     00000000
0x8158415c: sts_unroutable          00000000
0x81581174: sts_rte_cl2             00000000    0x81581178:
sts_rte_cl3             00000000        0x8158117c: sts_rte_link_ctl
00000000        0x81584168: sts_tx_timeout          00000000

Logical STS filter registers
=====================
0x815840c0: sts_flt_trig            [00] 00000000 00000000 00000000
00000000
0x815840d0: sts_flt_trig            [04] 00000000 00000000 00000000
00000000
0x815840e0: sts_flt_trig            [08] 00000000 00000000 00000000
00000000
0x815840f0: sts_flt_trig            [12] 00000000 00000000 00000000
00000000
0x81584100: sts_flt_trig            [16] 00000000 00000000 00000000
```

```
00000000
0x81584110: sts_flt_trig            [20] 00000000 00000000 00000000
00000000
0x81584120: sts_flt_trig            [24] 00000000 00000000 00000000
00000000
0x81584130: sts_flt_trig            [28] 00000000 00000000 00000000
00000000
0x81584140: sts_flt_trig            [32]

Logical STS discard registers
=====================
0x81581174: disc_mcast_wka          00000000    0x81581178:
disc_inv_did            00000000
0x8158117c: disc_cl1_cl4            00000000    0x81581180:
disc_sid_chk_fail       00000000
0x81581184: disc_inv_dom_egid_txpt  00000000    0x81581188:
disc_vft_hop_cnt_1      00000000
0x8158118c: disc_classf             00000000    0x81581190:
disc_fcp_cdb_inv        00000000
0x81581194: disc_vfid_trap_enabled  00000000    0x81581198:
disc_vfid_hdr_chk_fail  00000000
0x8158119c: disc_shim_cksum_fail    00000000    0x815811a0:
disc_fed_edit_cmd_err   00000000
0x815811a4: disc_ftb_vm_mode        00000000    0x815811a8:
disc_ftb_agn_t2_miss    00000000
0x815811ac: disc_ecb_reserved       00000000    0x815811b0:
disc_ecb_de_pad_err     00000000
0x815811b4: disc_ecb_de_tag_err     00000000    0x815811b8:
disc_ecb_de_seq_err     00000000
0x815811bc: disc_ecb_err            00000000    0x815811c0:
disc_ftb_type4_match    00000000
0x815811c4: disc_fcp_rsp_ftb_type4  00000000    0x815811c8:
disc_ftb_type5_match    00000000
0x815811cc: disc_ftb_type3_match    00000000    0x815811d0:
disc_els_ftb_type3      00000000
0x815811d4: disc_ftb_type1_match    00000000    0x815811d8:
disc_els_rsp_ex_port    00000000
0x815811dc: disc_inv_drp_dps        00000000    0x815811e0:
disc_did_lookup_miss    00000000
0x815811e4: disc_ftb_type2_match    00000000    0x815811e8:
disc_trpd_plogi_pdisc   00000000
0x815811ec: disc_type2_lookup_miss  00000000    0x815811f0:
disc_ftb_type6_match    00000000
0x815811f4: disc_els_rep_ex_port    00000000    0x815811f8:
disc_els_sid_lkup_bit1  00000000
0x815811fc: disc_els_sid_lkup_bit0  00000000    0x81581200:
disc_bls_frm_trap_bit1  00000000
0x81581204: disc_ftb_token_err      00000000    0x81581208:
disc_asic_internal_err  00000000
0x8158120c: disc_hard_zone_miss     00000000    0x81581210:
disc_lun_zone_miss      00000000
0x81581214: disc_flt_frame_disc     00000000    0x81581218:
disc_flt_parity_err     00000000
0x8158121c: disc_frame_marked_du    00000000    0x81581220:
```

```
disc_frame_marked_to    00000000
0x81581224: disc_lkup_rte_prty_err  00000000


portstatsshow 59
stat_wtx                0                   4-byte words transmitted
stat_wrx                0                   4-byte words received
stat_ftx                0                   Frames transmitted
stat_frx                0                   Frames received
stat_c2_frx             0                   Class 2 frames received
stat_c3_frx             0                   Class 3 frames received
stat_lc_rx              0                   Link control frames
received
stat_mc_rx              0                   Multicast frames
received
stat_mc_to              0                   Multicast timeouts
stat_mc_tx              0                   Multicast frames
transmitted
tim_txcrd_z             0                   Time TX Credit Zero
(2.5Us ticks)
tim_txcrd_z_vc  0- 3:  0           0           0           0
tim_txcrd_z_vc  4- 7:  0           0           0           0
tim_txcrd_z_vc  8-11:  0           0           0           0
tim_txcrd_z_vc 12-15:  0           0           0           0
lat_tot_pkt_vc  0- 3:  1           1           1           1
lat_tot_pkt_vc  4- 7:  1           1           1           1
lat_tot_pkt_vc  8-11:  1           1           1           1
lat_tot_pkt_vc 12-15:  1           1           1           1
lat_hi_time_vc  0- 3:  0           0           0           0
lat_hi_time_vc  4- 7:  0           0           0           0
lat_hi_time_vc  8-11:  0           0           0           0
lat_hi_time_vc 12-15:  0           0           0           0
lat_lo_time_vc  0- 3:  1           1           1           1
lat_lo_time_vc  4- 7:  1           1           1           1
lat_lo_time_vc  8-11:  1           1           1           1
lat_lo_time_vc 12-15:  1           1           1           1
max_latency_vc  0- 3:  1           1           1           1
max_latency_vc  4- 7:  1           1           1           1
max_latency_vc  8-11:  1           1           1           1
max_latency_vc 12-15:  1           1           1           1
latency_dma_ts          09-09-2024 UTC Mon 08:47:26            TXQ
Latency DMA TimeStamp
fec_cor_detected        0                   Count of blocks that
were corrected by FEC
fec_uncor_detected      0                   Count of blocks that
were left uncorrected by FEC
er_enc_in               0                   Encoding errors inside
of frames
er_crc                  0                   Frames with CRC errors
er_trunc                0                   Frames shorter than
minimum
er_toolong              0                   Frames longer than
maximum
er_bad_eof              0                   Frames with bad end-of-
```

```
frame
er_enc_out              0                   Encoding error outside
of frames
er_bad_os               0                   Invalid ordered set
er_pcs_blk              0                   PCS block errors
er_rx_c3_timeout        0                   Class 3 receive frames
discarded due to timeout
er_tx_c3_timeout        0                   Class 3 transmit frames
discarded due to timeout
er_unroutable           0                   Frames that are
unroutable
er_unreachable          0                   Frame with unreachable
destination
er_other_discard        0                   Other discards
er_type1_miss           0                   frames with FTB type 1
miss
er_type2_miss           0                   frames with FTB type 2
miss
er_type6_miss           0                   frames with FTB type 6
miss
er_zone_miss            0                   frames with hard zoning
miss
er_lun_zone_miss        0                   frames with LUN zoning
miss
er_crc_good_eof         0                   Crc error with good eof
er_inv_arb              0                   Invalid ARB
er_single_credit_loss   0                   Single vcrdy/frame loss
on link
er_multi_credit_loss    0                   Multiple vcrdy/frame
loss on link
other_credit_loss       0                   Link timeout/complete
credit loss
phy_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
phy_port stats clear
lgc_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
lgc_port stats clear
fec_corrected_rate      0                   FEC Corrected blocks per
second

portstats64show 59
stat64_wtx      0           top_int : 4-byte words transmitted
                0           bottom_int : 4-byte words transmitted
stat64_wrx      0           top_int : 4-byte words received
                0           bottom_int : 4-byte words received
stat64_ftx      0           top_int : Frames transmitted
                0           bottom_int : Frames transmitted
stat64_frx      0           top_int : Frames received
                0           bottom_int : Frames received
stat64_c2_frx   0           top_int : Class 2 frames received
                0           bottom_int : Class 2 frames received
stat64_c3_frx   0           top_int : Class 3 frames received
                0           bottom_int : Class 3 frames received
stat64_lc_rx    0           top_int : Link control frames received
                0           bottom_int : Link control frames
```

```
received
stat64_mc_rx    0           top_int : Multicast frames received
                0           bottom_int : Multicast frames received
stat64_mc_to    0           top_int : Multicast timeouts
                0           bottom_int : Multicast timeouts
stat64_mc_tx    0           top_int : Multicast frames transmitted
                0           bottom_int : Multicast frames
transmitted
tim64_rdy_pri   0           top_int : Time R_RDY high priority
                0           bottom_int : Time R_RDY high priority
tim64_txcrd_z   0           top_int : Time BB_credit zero
                0           bottom_int : Time BB_credit zero
er64_enc_in     0           top_int : Encoding errors inside of
frames
                0           bottom_int : Encoding errors inside of
frames
er64_crc        0           top_int : Frames with CRC errors
                0           bottom_int : Frames with CRC errors
er64_trunc      0           top_int : Frames shorter than minimum
                0           bottom_int : Frames shorter than minimum
er64_toolong    0           top_int : Frames longer than maximum
                0           bottom_int : Frames longer than maximum
er64_bad_eof    0           top_int : Frames with bad end-of-frame
                0           bottom_int : Frames with bad end-of-
frame
er64_enc_out    0           top_int : Encoding error outside of
frames
                0           bottom_int : Encoding error outside of
frames
er64_disc_c3    0           top_int : Class 3 frames discarded
                0           bottom_int : Class 3 frames discarded
er64_pcs_blk    0           top_int : PCS block errors
                0           bottom_int : PCS block errors
stat64_rateTxFrame      0           Tx frame rate (fr/sec)
stat64_rateRxFrame      0           Rx frame rate (fr/sec)
stat64_rateTxPeakFrame  0           Tx peak frame rate (fr/sec)
stat64_rateRxPeakFrame  0           Rx peak frame rate (fr/sec)
stat64_rateTxWord       0           Tx Word rate (words/sec)
stat64_rateRxWord       0           Rx Word rate (words/sec)
stat64_rateTxPeakWord   0           Tx peak Word rate (words/sec)
stat64_rateRxPeakWord   0           Rx peak Word rate (words/sec)
stat64_PRJTFrames       0           top_int : Number of PRJT frames
returned to this port
                        0           bottom_int : Number of PRJT
frames returned to this port
stat64_PBSYFrames       0           top_int : Number of PBSY frames
returned to this port
                        0           bottom_int : Number of PBSY
frames returned to this port
stat64_inputBuffersFull 0           top_int : Number of occurrences
when all input buffers full
                        0           bottom_int : Number of
occurrences when all input buffers full
stat64_rxClass1Frames   0           top_int : Number of class 1
```

```
frames received
                        0           bottom_int : Number of class 1
frames received
stat64_aveTxFrameSize   0           Average Tx Frame size
stat64_aveRxFrameSize   0           Average Rx Frame size
Lr_in           0           top_int
                0           bottom_int
Ols_in          0           top_int
                0           bottom_int
Lr_out          0           top_int
                0           bottom_int
Ols_out         0           top_int
                0           bottom_int
Link_failure    0           top_int
                0           bottom_int
Invalid_CRC     0           top_int
                0           bottom_int
Invalid_word    0           top_int
                0           bottom_int
Protocol_err    0           top_int
                0           bottom_int
Loss_of_sig     0           top_int
                0           bottom_int
Loss_of_sync    0           top_int
                0           bottom_int
er_bad_os       0           top_int : Invalid ordered set
                0           bottom_int: Invalid ordered set


portrouteshow 59
port address ID: 0x013b00
external unicast routing table:
   0: Embedded
 255: Embedded
internal unicast routing table:
   0: Embedded

portcamshow 59
-------------------------------------------------
Port  SID used  DID used  SID entries  DID entries
59     0         0         000000       000000
-------------------------------------------------

ptbufshow, ptcreditshow, ptdatashow, ptstatsshow 59
S:
S:VF Enable:            1
S:
S:C4 Global Variable:
S:-------------------------------------------------------------------
---------
S:trace_stop:           0
S:
S:C4 Phy Data Pointers: c4_phyp = 0xb6ab2080
S:-------------------------------------------------------------------
```

```
---------
S:tnodep                        0xbb82c000      pt
        0x43028001
S:proto_phyp            0xb8804c60      phy_cfg
0xb6ab30c0
S:c4_chp                        0x97e28000      c4_lgcp
0x97f4c000
S:c4_phy_regp           0x81c08000      proc_dir
0xb85123c0
S:-----------------------------------------------------------------
---------
S:magic_id              0xc4345678      num_port_timer          12
S:prev_if_id            0x43020001      S:ftx                   0
        tov                     0
S:initialized           0               port_idx                1
S:ui_idx                        59              slot_no
        0
S:blade_idx             1               sw_usr_ports            400
S:unused                        0               intr_debounced
        0
S:aec_status            0x0             reason_code
        0
S:debug                 0x00000004      debug_trc_line          0
S:rxbuf_list_head       0xffffffff      rxbuf_list_tail
0xffffffff
S:isAePort                      0               port_misc_data
                0
S:num_fault1_rx_disc    0               num_fault2_rx_disc      0
S:p_lli_cause0          0               p_sig_regained          0
S:p_sync_regained               0               enc_out
        0x0
S:cached_fps_status     0               cached_sts_status       0
S:cached_er_crc_good_eof        0
S:cached_er_bad_os      0               cached_er_too_long      0
S:cached_er_trunc       0
cached_tot_er_crc_good_eof      0
S:num_pt_excess_intr    0               num_no_fid              0
S:num_fault1_cnt                0               num_fault2_cnt
        0
S:num_fault_lip         0               num_fault_lli           0
S:num_fault_rx_fifo     0               num_fault_hss           0
S:num_fault_bwait               0               lli_intr_prim
        0
S:num_sw_link_to                0
be_link_err_mon_count           0
S:ecb_enc_enabled               0               ecb_comp_enabled
                0
S:ecb_rsv_enc           0               ecb_rsv_comp            0
S:ecb_enc_bm            0x0             ecb_key_index
0xffffffff
S:fab_idx               4
S:num_be_lto            0               lto_count_reset_intvl
        0
S:lr_count_reset_intvl          0               num_be_lr
```

```
        0
S:num_fault_qsfp                0               check_lto
        0
S:credit_loaded         0               num_credit_overrun
        0
S:fec_enabled           0x0             fec_los_to_flag         0x0
S:phy_stats_clear_ts            1725611419      pcs_err_online
        0
S:pcs_err_light_det             0               pcs_err_ignore
        0
S:pcs_blk_err           0               pcs_hiber               0
S:phy_port_status               0               ecb_enc_lr_count
                0
S:dport_mode            0               avoid_lto_det           0
S:sn_debounced          0x0             sn_started_kr_reqd      0
S:major_timer_started   0x0             ready_bm                0x0
S:parln_1_bm            0x0             parln_0_bm              0x0
S:be_los_of_sync_event_intvl            0
be_los_of_sync_event            0
S:erratePtenable_cntr           0               errataPoll_cntr
        0
S:jda_rx_sig_loss_det           0               jda_rx_sig_loss_cnt
                0
S:encrypt_blk_error             0
S:
S:      c4_trunk
S:=======================================
S:mark_ts               0x0             deskew                  0x0
S:master_phyp           0x0
S:
S:adelay[00]: 0x00000000 0x00000000 0x00000000 0x00000000
S:adelay[04]: 0x00000000 0x00000000 0x00000000 0x00000000
S:
S:      c4_buf
S:=======================================
S:tx_csc                        0               rx_csc
        0
S:ld_vc_credits         0               tx_flag                 0x0
S:alloc_buffers         0               req_buffers             0
S:est_buffers           20              ld_use_est              0
S:bb_sc_n                       0               rx_bb_sc_n
        0
S:data_cr                       5               nondata_cr
        6
S:cr_enable             0
S:ld_nondata_cr         6               tnodep
0xbb82c0e0
S:tx_credits[0] 0    0    0    0    0    0    0    0
S:tx_credits[8] 0    0    0    0    0    0    0    0
S:tx_credits[16]        0    0    0    0    0    0    0    0
S:tx_credits[24]        0    0    0    0    0    0    0    0
S:tx_credits[32]        0    0    0    0    0    0    0    0
S:rx_credits[0] 0    0    0    0    0    0    0    0
S:rx_credits[8] 0    0    0    0    0    0    0    0
```

```
S:rx_credits[16]        0    0    0    0    0    0    0    0
S:rx_credits[24]        0    0    0    0    0    0    0    0
S:rx_credits[32]        0    0    0    0    0    0    0    0
S:tx_mbc[0]     0    0    0    0    0    0    0    0
S:tx_mbc[8]     0    0    0    0    0    0    0    0
S:tx_mbc[16]    0    0    0    0    0    0    0    0
S:tx_mbc[24]    0    0    0    0    0    0    0    0
S:tx_mbc[32]    0    0    0    0    0    0    0    0
S:rx_mbc[0]     0    0    0    0    0    0    0    0
S:rx_mbc[8]     0    0    0    0    0    0    0    0
S:rx_mbc[16]    0    0    0    0    0    0    0    0
S:rx_mbc[24]    0    0    0    0    0    0    0    0
S:rx_mbc[32]    0    0    0    0    0    0    0    0
S:
S:C4 Chip Variables: c4_phyp->c4_chp = 0x97e28000
S:-----------------------------------------------------------------
---------
S:version = 2.1
S:magic_id              0xc4234567      init_state              0x8
S:reset_reg_mem         0x1
S:ch_int0_en_bm         0x0             intr0_cause             0x0
S:ch_int1_en_bm         0x0             intr1_cause             0x0
S:ch_int2_en_bm         0x0             intr2_cause             0x0
S:ch                    0x43010080      ch_cfg
0xb7013ba0
S:raslog_hndl.hndl      0x0             obj_halted              0x0
S:c4_chip_regp          0x80000000      c4_fpg_regp
0x81800000
S:num_chip_timer        0x5
S:hi_task_bm            0x0             lo_task_bm              0x0
S:c4_deferq.q_head      0x0             c4_deferq.q_tail        0x0
S:c4_tmrq.q_head        0x0             c4_tmrq.q_tail          0x0
slot_no                 0
S:chip_inst             0               chip_idx                0
S:pll_initialized               1
pll_serdes_initialized  1
S:init_tries            0               init_ptEnableBM
0xba01b488
S:tick_polling          0xb980c9c0      sec_polling
0xb980c960
S:bb_fid                        129
S:ecb_key_bm[0]         0x0             ecb_key_bm[1]           0x0
S:ecb_key_bm[2]         0x0             ecb_key_bm[3]           0x0
S:is_chip_enc_enabled                   0
is_chip_comp_enabled    0x0
S:ftb_rsrcp->ftb_flags  0x0             act_rsrcp->act_flag     0x1
S:lue_rsrcp->lue_flags[0]       0x0             lue_rsrcp-
>lue_flags[1]   0x0
S:c4_phyp[00]: 0xb6ab0000 0xb6ab2080 0xb6ab4100 0xb6ab6180
S:c4_phyp[04]: 0xb6ab9040 0xb6abb0c0 0xb6abd140 0xb6ac0000
S:c4_phyp[08]: 0xb6ac2080 0xb6ac4100 0xb6ac6180 0xb6ac9040
S:c4_phyp[12]: 0xb6acb0c0 0xb6acd140 0xb6ad0000 0xb6ad2080
S:c4_phyp[16]: 0xb6ad4100 0xb6ad6180 0xb6ad9040 0xb6adb0c0
S:c4_phyp[20]: 0xb6add140 0xb6ae0000 0xb6ae2080 0xb6ae4100
```

```
S:c4_phyp[24]: 0xb6ae6180 0xb6ae9040 0xb6aeb0c0 0xb6aed140
S:c4_phyp[28]: 0xb6af0000 0xb6af2080 0xb6af4100 0xb6af6180
S:c4_phyp[32]: 0xb6af9040 0xb6afb0c0 0xb6afd140 0xb6b00000
S:c4_phyp[36]: 0xb6b02080 0xb6b04100 0xb6b06180 0xb6b09040
S:c4_phyp[40]: 0xb6b0b0c0 0xb6b0d140 0xb6b10000 0xb6b12080
S:c4_phyp[44]: 0xb6b14100 0xb6b16180 0xb6b19040 0xb6b1b0c0
S:c4_phyp[48]: 0xb6b1d140 0xb6b20000 0xb6b22080 0xb6b24100
S:c4_phyp[52]: 0xb6b26180 0xb6b29040 0xb6b2b0c0 0xb6b2d140
S:c4_phyp[56]: 0xb6b30000 0xb6b32080 0xb6b34100 0xb6b36180
S:c4_phyp[60]: 0xb6b39040 0xb6b3b0c0 0xb6b3d140 0xb6b40000
S:c4_lgcp[00]: 0x97f48000 0x97f4c000 0x97f50000 0x97f54000
S:c4_lgcp[04]: 0x97f58000 0x97f5c000 0x97f60000 0x97f64000
S:c4_lgcp[08]: 0x97f68000 0x97f6c000 0x97f70000 0x97f74000
S:c4_lgcp[12]: 0x97f78000 0x97f7c000 0x97f80000 0x97f84000
S:c4_lgcp[16]: 0x97f88000 0x97f8c000 0x97f90000 0x97f94000
S:c4_lgcp[20]: 0x97f98000 0x97f9c000 0x97fa0000 0x97fa4000
S:c4_lgcp[24]: 0x97fa8000 0x97fac000 0x97fb0000 0x97fb4000
S:c4_lgcp[28]: 0x97fb8000 0x97fbc000 0x97fc0000 0x97fc4000
S:c4_lgcp[32]: 0x97fc8000 0x97fcc000 0x97fd0000 0x97fd4000
S:c4_lgcp[36]: 0x97fd8000 0x97fdc000 0x97fe0000 0x97fe4000
S:c4_lgcp[40]: 0x97fe8000 0x97fec000 0x97ff0000 0x97ff4000
S:c4_lgcp[44]: 0x97ff8000 0x97ffc000 0x8e000000 0x8e004000
S:c4_lgcp[48]: 0x8e008000 0x8e00c000 0x8e010000 0x8e014000
S:c4_lgcp[52]: 0x8e018000 0x8e01c000 0x8e020000 0x8e024000
S:c4_lgcp[56]: 0x8e028000 0x8e02c000 0x8e030000 0x8e034000
S:c4_lgcp[60]: 0x8e038000 0x8e03c000 0x8e040000 0x8e044000
S:chip_timers[00]: 0xb980c720 0xb980c780 0xb980c7e0 0xb980c840
S:chip_timers[04]: 0xb980c8a0 0xb980c900
S:disc_trap_enable_required     0x0             rxlp_disc_log_stop
        0x0
S:curr_rxlp_frm_cnt     0x0             curr_rxlp_disc_frm_cnt  0x0
S:sw_disc_frm_cnt       0x0             last_disc_frm_cnt       0x0
S:txq_nopop_pr_cnt      0x0             pollErrataDfe_ptBM
0xba01b4b0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][0]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][1]  0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][2]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][0] 0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][1]       0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][2] 0x0
S:
S:C4 Logical Port Variables
S:-------------------------------------------------------------------
---------
S:c4_lgc_regp           0x81c08000
S:c4_phyp:
S:      0xb6ab2080      0x0             0x0             0x0

S:      0x0             0x0             0x0             0x0

S:master_phyp           0xb6ab2080      if_id
0x43020001
S:min_phyp              0x0             max_phyp                0x0
S:num_phy_ports         1               lgc_num                 1
```

```
S:num_iu_to             0               sw_txq_bm
        0
S:port_fid              129             unused                  0
S:port_group            0               lgc_stats_clear_ts
               1725611419
S:domain_tbl_sel                0               area_tbl_sel
        0
S:egid_tbl_sel          0
S:serv_lo_bm            0x0
S:
S:Proto Phy Variables:
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4123456      asic_phyp
0xb6ab2080
S:port_id                       0x43028001      phy_cfg
        0xb6ab30c0
S:upsm_hdl              0xb800f3c0      physm_hdl
0xb800f140
S:ov_snsm_hdl           0xb800f000      sw_snsm_hdl
0xb800f0a0
S:ov_lksm_hdl           0xb800f1e0      sw_lksm_hdl
0xb800f280
S:trksm_hdl             0xb800f320      lr_flag         0x0
S:lr_active             0x0             qsfp_txrx_rate_sel
        0x0
S:
S:UPSM      UP00: UPST_PORT_DISABLED    --> UP00: UPST_PORT_DISABLED
S:SNSM(OV)  SN00: OV_SNST_STOPPED       --> SN00: OV_SNST_STOPPED
S:SNSM(SW)  SW00: SW_SNST_STAGE_WS      --> SW00: SW_SNST_STAGE_WS
S:PHYSM     PP00: PHYST_STOPPED         --> PP00: PHYST_STOPPED
S:LKSM(OV)  LK00: OV_LKST_INACTIVE      --> LK00: OV_LKST_INACTIVE
S:LKSM(SW)  SW13: INACTIVE              --> SW13: INACTIVE
S:TRKSM     TRK0: TRKST_INIT            --> TRK0: TRKST_INIT
S:
S:physm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8804c60      physm_hdl
0xb800f140
S:force_offline         0               copper                  0
S:fault_reason          0: UNKNOWN
S:phy_media_present             0
S:
S:snsm variables:
S:-------------------------------------------------------------------
---------
S:speed                 0xff            proto_phyp
0xb8804c60
S:hw_sn_tries_left      0x0             sw_sn_tries_left        0x0
S:curr_txsp_count               0x0
S:tx_max                        0x0             curr_tx_indx
        0x0
S:curr_tx                       0x0             curr_rxsp_count
```

```
        0x0
S:rx_max                        0x0             curr_rx_indx
        0x0
S:curr_rx                       0x0             rx_mem
        0x0
S:rxsp_rec_count                0x0
S:nc_start              0x0             tx_start                0x0
S:sync_start            0x0             sync_present            0x0
S:diag_auto             0x0             diag_speed              0xff
S:striped_wd_tov                3000            hw_wd_tov
        3000
S:step                  0x0             qsfp28_speed_mode
        0x0
S:qsfp_mode0_hw_sn_tries_left           0x0
S:qsfp_mode1_hw_sn_tries_left           0x0
S:
S:lksm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8804c60      ov_lksm_hdl
0xb800f1e0
sw_lksm_hdl             0xb800f280
num_lf1                 0
S:hw_link_tries_left    0               sw_link_tries_left      0
S:buf_ptype             0x0             stored_entry_state      0x6
S:handshake_owner               0x0             mark_unsent
        0x0
S:busybuf_stuck         0x0             lr_wait                 0x0
S:
S:trksm variables:
S:-------------------------------------------------------------------
---------
S:Not a trunk port
S:
S:upsm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8804c60      upsm_hdl
0xb800f3c0
S:bb_credits            0               port_beacon             0
S:port_diag_flag                0               force_offline
        0
S:port_fault_rsn                0: PORT_NO_FAULT
S:retry_init_rsn                0: UNKNOWN
S:linit_reason          0               linit_result            0
S:ie_fctl_mode          0               fec_in_sync_tries_left  0
S:retry_sn_fail_init    0
retry_link_fail_init    0
S:excess_lr_count       0
S:
S:c4_ch_cfg
S:-------------------------------------------------------------------
---------
S:c4_desc_ring_size     256      292      256      256      292
```

```
292      2        292      292
S:thresh_def            0        16       1        0
S:intr_tries            500             cmem_pattern
0xdeadbeef
S:cmem_pattern_upwd     2               cmem_init_time          16
S:cmem_init_tries               5
S:ctrl_par_thresh               2               data_par_thresh
        4
S:cam_par_thresh                4               buf_loss_thresh
        12
S:crit_par_thresh               2               non_crit_par_thresh
        6
S:pci_abort_thresh      10              pci_err_thresh          5
S:excess_chintr_thresh  8               sw_err_thresh           20
S:err_sample_period     300             intr_sleep
20000
S:frame_timeout 2500            proxy_dev               16384
S:vf_route      81920           qos             2048
S:stats 2048            f_redirect              2048
S:rsp_trap      2048            lun_zoning              20480
S:area_mode     0               ftb_max_loop[0]         0
S:ftb_max_loop[1]       6               ftb_max_loop[2]         9
S:ftb_max_loop[3]       10              ftb_max_loop[4]         10
S:ftb_max_loop[5]       5               ftb_max_loop[6]         6
S:ftb_seg_size[0]       0               ftb_seg_size[1]
16384
S:ftb_seg_size[2]       65536           ftb_seg_size[3]
16384
S:ftb_seg_size[4]       16384           ftb_seg_size[5]
65536
S:ftb_seg_size[6]       16384           ftb_seg_base[0]         0
S:ftb_seg_base[1]       0               ftb_seg_base[2]
65536
S:ftb_seg_base[3]       16384           ftb_seg_base[4]
32768
S:ftb_seg_base[5]       131072          ftb_seg_base[6]
49152
asic_err_monitor_period1                300
asic_err_monitor_period2                86400
zone_chk_to_poll_period 25
zone_chk_class2_reject_tov              220
S:
S:c4_phy_cfg
S:-------------------------------------------------------------------
---------
S:version = 2.1
S:pt                    0x43028001      fab_ptr
0x9a800000
S:fabattr                       0x9a8000d4      fab_iop
        0x9a800050
S:cfgbm                 0xbb82be04      port_ctrl
0xb6ab30d8
S:pcap.pcap_bm          0x8d215547      pcap.pcap2_bm
0x2588289
```

```
S:pcap.pcap3_bm         0x1bebe0c
ui_idx                  59              S:slot_no
        0
is_icl                  0               S:sw_usr_ports          400
S:neg_speed             0 0 0 0 0 0
S:my_domain             0x1             port_mode               0x0
S:hw_sn_maxtries                100             sw_sn_maxtries
        0
S:hw_link_maxtries      10              sw_link_maxtries        5
S:rx_cyc_tov            28              rttov                   300
S:bufrdy_tov            300             busybuf_tov             286
S:mark_tov              300             lksm_tov                3000
S:buf_dealloc_wait      4               hw_wd_tov               3000
S:hw_lk_train_tov               540             hw_lk_test_tov
        150
S:syswait_tx_12_lips    1               lip_rx_tov              55
S:al_time_tov           15              lp_tov                  2000
S:intr_tries_port               500             intr_mod_debounce
        250
S:intr_lsr_flt_debounce 500             intr_efifo_debounce     100
S:port_no_fid           3               excess_ptintr_thresh    8
S:port_fault1_thresh    100             port_fault1_spur_thresh 250
S:port_fault1_disc_thresh       500
port_fault1_disc_spur_thresh    1000
S:port_fault2_thresh    5               losync_tov              100
S:port_sw_link_to               15              en_8g_scramble
        1
frc_hw_sn_mode          0x1
S:enc_poll_thresh               0               fec_enable
        0
S:fec_in_sync_to                50              fec_in_sync_try_max
        4
S:port_be_lto_threshold         100             port_be_lr_threshold
                2
S:be_cr_in_sync_to              5
port_credit_overrun_thresh              10
S:jda_sfp_losig_tov             400
jda_sfp_losig_try_max           30
S:striped_wd_tov                3000
no_sync_debounce                1200
S:
S:      fab_iop
S:======================================
S:fab_iop->interop_mode 0x0             fab_iop->lab_mode       0x0
S:fab_iop->fl_bbc               0x0             fab_iop->fl_fan
        0x0
S:fab_iop->fl_cls               0x4             fab_iop->fl_rscn
        0x0
S:fab_iop->domain_id_offset     0x60            fab_iop-
>mcdt_fabric_mode       0x0
S:fab_iop->mcdt_default_zone            0x0             fab_iop-
>mcdt_safe_zone         0x0
S:
S:      port_ctrl
```

```
S:=======================================
S:port_ctrl.port_type   1               port_ctrl.port_grp      0
S:port_ctrl.port_number 59              port_ctrl.vc_mode       1
S:
S:      port_ctrl.lcap
S:=======================================
S:has_serdes            0               has_media               1
S:topology              1               skip_nego               0
S:skip_pnego            0               skip_init_event         0
S:en_shim                       0               speed_neg
        1
S:loop_back             0               num_speeds              5
S:fec_enable            0
S:
S:      port_ctrl.speed_list array
S:=======================================
S:speed_list[0].auto_neg  1     speed_list[0].lnk_speed  0x0000000a
S:speed_list[1].auto_neg  1     speed_list[1].lnk_speed  0x00000008
S:speed_list[2].auto_neg  1     speed_list[2].lnk_speed  0x00000006
S:speed_list[3].auto_neg  1     speed_list[3].lnk_speed  0x00000005
S:speed_list[4].auto_neg  1     speed_list[4].lnk_speed  0x00000003
S:speed_list[5].auto_neg  0     speed_list[5].lnk_speed  0x00000000
S:
S:      port_ctrl.cm
S:=======================================
S:port_ctrl.cm.num_vcs          8
S:port_ctrl.cm.min_bufs         8
S:port_ctrl.cm.cr_shar_bufs     0
S:port_ctrl.vc_alloc
S:port_ctrl.vc_alloc            2 0 1 1 1 1 1 1
S:port_ctrl.vc_alloc            0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.norm_vc_alloc
S:port_ctrl.norm_vc_alloc       4 0 5 5 5 5 1 1
S:port_ctrl.norm_vc_alloc       0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.cm.skip_bb_credit           0
S:port_ctrl.cm.use_shim_based_sublist           0
S:
S:      port_ctrl.serdes_set
S:=======================================
S:serdes_type           0x8
S:serdes_data_t.ibm_hss_serdes.tx_drive_power           0x1
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b_sign      0x1
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_a           0x0
S:serdes_data_t.ibm_hss_serdes.rxeq                     0x0
S:
S:      cfgbm
S:=======================================
S:old_distance          0x0             gport_lockdown          0x0
S:tport                 0x1             speed                   0x0
S:disable_eport         0x0             fcacc                   0x0
S:lport_lockdown                0x0             priv_lport_lockdown
```

```
        0x0
S:vcxlt_linit           0x0             delay_flogi             0x0
S:isl_interop           0x0             distance                0x0
S:BufStarvFlag          0x0             credit_sharing          0x0
S:lport_halfduplex      0x0             lport_fairness          0x0
S:soft_neg              0x0             asn_frc_hwretry         0x0
S:cr_recov              0x0             fport_buffers           0x0
S:export                        0x0             export_mode
        0x0
S:csctl_en              0x0             mirror_port             0x0
S:fault_delay           0x0             non_dfe                 0x0
S:fec_configured*(0=ENAB)       0               fec_tts
        0
S:port_persistently_disabled (permanently) 0 (0)
S:
S:      cfg property
S:=====================================
S:priv_pcfg_bm          0x00000000      lgcl_pcfg_bm
0xbb82be44
S:fport_buffer          0x00000000
S:
S:
S:C4 Discard Cntrs: rxlp_stats = 0xb6ab2430
S:-----------------------------------------------------------------
---------
S:disc_mcast_wka        0x0             disc_inv_did            0x0
S:disc_cl1_cl4          0x0             disc_sid_chk_fail       0x0
S:disc_inv_dom_egid_txpt        0x0             disc_vft_hop_cnt_1
        0x0
S:disc_classf           0x0             disc_fcp_cdb_inv        0x0
S:disc_vfid_trap_enabled        0x0
disc_vfid_hdr_chk_fail  0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_ftb_vm_mode      0x0             disc_ftb_agn_t2_miss    0x0
S:disc_ecb_de_pad_err   0x0             disc_ecb_de_tag_err     0x0
S:disc_ecb_de_seq_err   0x0             disc_ecb_err            0x0
S:disc_ftb_type4_match  0x0             disc_fcp_rsp_ftb_type4  0x0
S:disc_fcp_rsp_ftb_type4        0x0             disc_ftb_type5_match
        0x0
S:disc_ftb_type3_match  0x0             disc_els_ftb_type3      0x0
S:disc_ftb_type1_match  0x0             disc_els_rsp_ex_port    0x0
S:disc_inv_drp_dps      0x0             disc_did_lookup_miss    0x0
S:disc_ftb_type2_match  0x0             disc_trpd_plogi_pdisc   0x0
S:disc_type2_lookup_miss        0x0             disc_ftb_type6_match
        0x0
S:disc_els_rep_ex_port  0x0             disc_els_sid_lkup_bit1  0x0
S:disc_els_sid_lkup_bit0        0x0
disc_bls_frm_trap_bit1  0x0
S:disc_ftb_token_err    0x0             disc_asic_internal_err  0x0
S:disc_hard_zone_miss   0x0             disc_lun_zone_miss      0x0
S:disc_flt_frame_disc   0x0             disc_flt_parity_err     0x0
S:disc_frame_marked_du  0x0             disc_frame_marked_to    0x0
E:Connection type: FE
```

```
E:Port type: E_port
E:Trunk port: No
E:Configured Speed: AUTO_SPEED_NEGO
E:Max Capable Speed: 32G
E:Current SNSM Speed: UNDEFINED
E:Hardware TX Speed: 32G (0x00000004)
E:Hardware RX Speed: 32G (0x00000040)
E:
E:Interrupts:   0           Link_failure:       0
Loss_of_sync:   0           Loss_of_sig:        0
E:Lli:          0           Invalid_word:       0
E:trapped_frm:  0           fwd_status_ok:      0
E:fwd_timeout:  0           fwd_tx_unavail:     0
E:fwd_unroutable:       0           fwd_zone_out:       0
E:fwd_other_err:        0           frm_err_discard:    0
E:Fltr listA:   0           Fltr listB:         0
E:Zone trap fwd:        0           Zone trap disc:     0
E:shim_csum:    0           RTE_perr:           0
E:Invalid_crc:  0           Delim_err:          0
E:Protocol_err: 0
E:Lr_in:        0           Lr_out:             0
E:Ols_in:       0           Ols_out:            0


filterportshow 59

                FILTER DATA
                -----------
Shadow settings:
   Filter Enable: 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
```

```
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass: 0x00000000
Real settings:
   Enable RAM: 0x00000000, 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass RAM: 0x00000000

Shadowed filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        c4_fldenable[0] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[0] = 0x00000000,c4_fltr_config[0] = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        c4_fldenable[1] = 0x00000000 0x00000000 0x00000000
0x00000000
```

```
        c4_fldnegate[1] = 0x00000000,c4_fltr_config[1] = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        c4_fldenable[2] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[2] = 0x00000000,c4_fltr_config[2] = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        c4_fldenable[3] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[3] = 0x00000000,c4_fltr_config[3] = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        c4_fldenable[4] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[4] = 0x00000000,c4_fltr_config[4] = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        c4_fldenable[5] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[5] = 0x00000000,c4_fltr_config[5] = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        c4_fldenable[6] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[6] = 0x00000000,c4_fltr_config[6] = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        c4_fldenable[7] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[7] = 0x00000000,c4_fltr_config[7] = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        c4_fldenable[8] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[8] = 0x00000000,c4_fltr_config[8] = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        c4_fldenable[9] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[9] = 0x00000000,c4_fltr_config[9] = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        c4_fldenable[10] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[10] = 0x00000000,c4_fltr_config[10] =
0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        c4_fldenable[11] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[11] = 0x00000000,c4_fltr_config[11] =
0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        c4_fldenable[12] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[12] = 0x00000000,c4_fltr_config[12] =
0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        c4_fldenable[13] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[13] = 0x00000000,c4_fltr_config[13] =
0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
```

```
        c4_fldenable[14] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[14] = 0x00000000,c4_fltr_config[14] =
0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        c4_fldenable[15] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[15] = 0x00000000,c4_fltr_config[15] =
0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        c4_fldenable[16] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[16] = 0x00000000,c4_fltr_config[16] =
0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        c4_fldenable[17] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[17] = 0x00000000,c4_fltr_config[17] =
0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        c4_fldenable[18] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[18] = 0x00000000,c4_fltr_config[18] =
0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        c4_fldenable[19] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[19] = 0x00000000,c4_fltr_config[19] =
0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        c4_fldenable[20] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[20] = 0x00000000,c4_fltr_config[20] =
0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        c4_fldenable[21] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[21] = 0x00000000,c4_fltr_config[21] =
0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        c4_fldenable[22] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[22] = 0x00000000,c4_fltr_config[22] =
0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        c4_fldenable[23] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[23] = 0x00000000,c4_fltr_config[23] =
0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        c4_fldenable[24] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[24] = 0x00000000,c4_fltr_config[24] =
0x00000000
```

```
Filter 25: Not Installed (PERF10)(LISTA)
        c4_fldenable[25] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[25] = 0x00000000,c4_fltr_config[25] =
0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        c4_fldenable[26] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[26] = 0x00000000,c4_fltr_config[26] =
0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        c4_fldenable[27] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[27] = 0x00000000,c4_fltr_config[27] =
0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        c4_fldenable[28] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[28] = 0x00000000,c4_fltr_config[28] =
0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        c4_fldenable[29] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[29] = 0x00000000,c4_fltr_config[29] =
0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        c4_fldenable[30] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[30] = 0x00000000,c4_fltr_config[30] =
0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        c4_fldenable[31] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[31] = 0x00000000,c4_fltr_config[31] =
0x00000000


Real filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
```

```
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
```

```
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
```

```
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000

Filter dirty indicator: 0x00000000
Performance filters: 0
Port Mirror filters: 0 (0x0)


               FIELD DATA
               ----------

Shadowed fields:

fldoffset[0] = 0x00,fldmask[0] = 0x00,fldvalue_dyna[0]:0x00 0x00
0x00 0x00
fldcontrol[0].inuse = 0x0  fldcontrol[0].refcnt = 0x00 0x00 0x00
0x00
fldoffset[1] = 0x00,fldmask[1] = 0x00,fldvalue_dyna[1]:0x00 0x00
0x00 0x00
fldcontrol[1].inuse = 0x0  fldcontrol[1].refcnt = 0x00 0x00 0x00
0x00
fldoffset[2] = 0x00,fldmask[2] = 0x00,fldvalue_dyna[2]:0x00 0x00
0x00 0x00
fldcontrol[2].inuse = 0x0  fldcontrol[2].refcnt = 0x00 0x00 0x00
0x00
fldoffset[3] = 0x00,fldmask[3] = 0x00,fldvalue_dyna[3]:0x00 0x00
0x00 0x00
fldcontrol[3].inuse = 0x0  fldcontrol[3].refcnt = 0x00 0x00 0x00
0x00
fldoffset[4] = 0x00,fldmask[4] = 0x00,fldvalue_dyna[4]:0x00 0x00
0x00 0x00
fldcontrol[4].inuse = 0x0  fldcontrol[4].refcnt = 0x00 0x00 0x00
0x00
fldoffset[5] = 0x00,fldmask[5] = 0x00,fldvalue_dyna[5]:0x00 0x00
0x00 0x00
fldcontrol[5].inuse = 0x0  fldcontrol[5].refcnt = 0x00 0x00 0x00
0x00
fldoffset[6] = 0x00,fldmask[6] = 0x00,fldvalue_dyna[6]:0x00 0x00
0x00 0x00
fldcontrol[6].inuse = 0x0  fldcontrol[6].refcnt = 0x00 0x00 0x00
0x00
fldoffset[7] = 0x00,fldmask[7] = 0x00,fldvalue_dyna[7]:0x00 0x00
0x00 0x00
fldcontrol[7].inuse = 0x0  fldcontrol[7].refcnt = 0x00 0x00 0x00
0x00
fldoffset[8] = 0x00,fldmask[8] = 0x00,fldvalue_dyna[8]:0x00 0x00
0x00 0x00
fldcontrol[8].inuse = 0x0  fldcontrol[8].refcnt = 0x00 0x00 0x00
0x00
fldoffset[9] = 0x00,fldmask[9] = 0x00,fldvalue_dyna[9]:0x00 0x00
0x00 0x00
```

```
fldcontrol[9].inuse = 0x0  fldcontrol[9].refcnt = 0x00 0x00 0x00
0x00
fldoffset[10] = 0x00,fldmask[10] = 0x00,fldvalue_dyna[10]:0x00 0x00
0x00 0x00
fldcontrol[10].inuse = 0x0  fldcontrol[10].refcnt = 0x00 0x00 0x00
0x00
fldoffset[11] = 0x00,fldmask[11] = 0x00,fldvalue_dyna[11]:0x00 0x00
0x00 0x00
fldcontrol[11].inuse = 0x0  fldcontrol[11].refcnt = 0x00 0x00 0x00
0x00
fldoffset[12] = 0x00,fldmask[12] = 0x00,fldvalue_dyna[12]:0x00 0x00
0x00 0x00
fldcontrol[12].inuse = 0x0  fldcontrol[12].refcnt = 0x00 0x00 0x00
0x00
fldoffset[13] = 0x00,fldmask[13] = 0x00,fldvalue_dyna[13]:0x00 0x00
0x00 0x00
fldcontrol[13].inuse = 0x0  fldcontrol[13].refcnt = 0x00 0x00 0x00
0x00
fldoffset[14] = 0x00,fldmask[14] = 0x00,fldvalue_dyna[14]:0x00 0x00
0x00 0x00
fldcontrol[14].inuse = 0x0  fldcontrol[14].refcnt = 0x00 0x00 0x00
0x00
fldoffset[15] = 0x00,fldmask[15] = 0x00,fldvalue_dyna[15]:0x00 0x00
0x00 0x00
fldcontrol[15].inuse = 0x0  fldcontrol[15].refcnt = 0x00 0x00 0x00
0x00
fldoffset[16] = 0x00,fldmask[16] = 0x00,fldvalue_dyna[16]:0x00 0x00
0x00 0x00
fldcontrol[16].inuse = 0x0  fldcontrol[16].refcnt = 0x00 0x00 0x00
0x00
fldoffset[17] = 0x00,fldmask[17] = 0x00,fldvalue_dyna[17]:0x00 0x00
0x00 0x00
fldcontrol[17].inuse = 0x0  fldcontrol[17].refcnt = 0x00 0x00 0x00
0x00
fldoffset[18] = 0x00,fldmask[18] = 0x00,fldvalue_dyna[18]:0x00 0x00
0x00 0x00
fldcontrol[18].inuse = 0x0  fldcontrol[18].refcnt = 0x00 0x00 0x00
0x00
fldoffset[19] = 0x00,fldmask[19] = 0x00,fldvalue_dyna[19]:0x00 0x00
0x00 0x00
fldcontrol[19].inuse = 0x0  fldcontrol[19].refcnt = 0x00 0x00 0x00
0x00

Real fields:

fldoffset RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fldmask RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fld value4 RAM:
0x00000000
0x00000000
0x00000000
0x00000000
```

```
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
Field dirty indicator: 0x00000000

FDB reference count fdb: 0 [0 0 0 0 ]
FDB reference count fdb: 1 [0 0 0 0 ]
FDB reference count fdb: 2 [0 0 0 0 ]
FDB reference count fdb: 3 [0 0 0 0 ]
FDB reference count fdb: 4 [0 0 0 0 ]
FDB reference count fdb: 5 [0 0 0 0 ]
FDB reference count fdb: 6 [0 0 0 0 ]
FDB reference count fdb: 7 [0 0 0 0 ]
FDB reference count fdb: 8 [0 0 0 0 ]
FDB reference count fdb: 9 [0 0 0 0 ]
FDB reference count fdb: 10 [0 0 0 0 ]
FDB reference count fdb: 11 [0 0 0 0 ]
FDB reference count fdb: 12 [0 0 0 0 ]
FDB reference count fdb: 13 [0 0 0 0 ]
FDB reference count fdb: 14 [0 0 0 0 ]
FDB reference count fdb: 15 [0 0 0 0 ]
FDB reference count fdb: 16 [0 0 0 0 ]
FDB reference count fdb: 17 [0 0 0 0 ]
FDB reference count fdb: 18 [0 0 0 0 ]
FDB reference count fdb: 19 [0 0 0 0 ]

Filter counters:
   Filter counter 0: 0  (MIRROR1)
   Filter counter 1: 0  (MIRROR2)
   Filter counter 2: 0  (MIRROR3)
   Filter counter 3: 0  (MIRROR4)
   Filter counter 4: 0  (AEPORT_NON_MIRR_DROP)
   Filter counter 5: 0  (ZONING TRAP)
   Filter counter 6: 0  (FCR_EXPORT_DC)
   Filter counter 7: 0  (TIN TRAP)
   Filter counter 8: 0  (FICON CUP)
   Filter counter 9: 0  (FICON CUP DST)
   Filter counter 10: 0 (WELL KNOWN ADDR)
   Filter counter 11: 0 (SIM)
   Filter counter 12: 0 (UNUSED)
   Filter counter 13: 0 (UNUSED)
```

```
   Filter counter 14: 0 (UNUSED)
   Filter counter 15: 0 (UNUSED)
   Filter counter 16: 0 (PERF1)
   Filter counter 17: 0 (PERF2)
   Filter counter 18: 0 (PERF3)
   Filter counter 19: 0 (PERF4)
   Filter counter 20: 0 (PERF5)
   Filter counter 21: 0 (PERF6)
   Filter counter 22: 0 (PERF7)
   Filter counter 23: 0 (PERF8)
   Filter counter 24: 0 (PERF9)
   Filter counter 25: 0 (PERF10)
   Filter counter 26: 0 (PERF11)
   Filter counter 27: 0 (PERF12)
   Filter counter 28: 0 (OPM1)
   Filter counter 29: 0 (OPM2)
   Filter counter 30: 0 (IPM1)
   Filter counter 31: 0 (IPM2)

               ACL DATA
               --------
Logical port 1: Hard Zoning disabled, Soft Zoning disabled
Zone type: WWN Zoning
Frames with hard zone miss: 0

*** Please use filterportshow on user port 56 to display ACL hash
tables and Mirroring resources of thischip.
 ***We show this data only for the first physical port which is an
exernal port.

portFcPortCmdShow --slot 0 60 3
doing portFcPortCmdShow: arg1 = 3, arg2 = -2

portshow 60
portDisableReason: None
portCFlags: 0x0
portFlags: 0x4021        PRESENT U_PORT DISABLED LED
LocalSwcFlags: 0x0
portType:  26.0
POD Port: Need license to enable the port
portState: 2    Offline
Protocol: FC
portPhys:  2    No_Module       portScn:   2    Offline
port generation number:    0
state transition count:    0

portId:    013c00
portIfId:    43020004
portWwn:   20:3c:d8:1f:cc:2c:99:90
portWwn of device(s) connected:
16b Area list:
Distance:  normal
portSpeed: N32Gbps
```

```
FEC: Inactive
Credit Recovery: Inactive
LE domain: 0
Peer beacon: Off
FC Fastwrite: OFF
Interrupts:        0          Link_failure: 0          Frjt:
0
Unknown:           0          Loss_of_sync: 0          Fbsy:
0
Lli:               0          Loss_of_sig:  0
Proc_rqrd:         0          Protocol_err: 0
Timed_out:         0          Invalid_word: 0
Tx_unavail:        0          Invalid_crc:  0
Delim_err:         0          Address_err:  0
Lr_in:             0          Ols_in:       0
Lr_out:            0          Ols_out:      0


portloginshow 60
Type  PID     World Wide Name        credit df_sz cos
=====================================================


portloginshow 60 -history
 Type  PID      World Wide Name           logout time
============================================================


portregshow 60

LED registers
=============
0x81c22000: c4_led_status           00000000    0x81c22004:
c4_led_ctl              00000000

FPL registers
=============
0x81c20200: fpl_port_config         23490000
0x81c2020c: fpl_port_id_ctl         00000000    0x81c20210:
fpl_port_id_addr        00013c00
0x81c20214: fpl_port_speed          00000004    0x81c2021c:
fpl_lli_ctl             00000903
0x81c20228: fpl_lli_os_ctl          bc95b5b5    0x81c2022c:
fpl_lli_send_word       bc95b5b5
0x81c20230: fpl_lli_mark_rx         00000000    0x81c20234:
fpl_lli_rnd_trip_time   00000000
0x81c20238: fpl_lli_ns_status       00070007    0x81c2023c:
fpl_lli_intr_status     80070007
0x81c20244: fpl_lli_def             00000000    0x81c20254:
fpl_lli_intr_enable_clr 00100000
0x81c20258: fpl_err_intr_status     00000000    0x81c20260:
fpl_err_intr_enable_clr 00000000
0x81c20268: fpl_err_first_error     00000000    0x81c2026c:
fpl_speed_neg_ctl       00000000
```

```
0x81c20270: fpl_speed_neg_stat      00000000    0x81c20274:
fpl_softasn_ctl         0000000f
0x81c20278: fpl_link_init_ctl       00000000    0x81c2027c:
fpl_link_init_stat      00000000
0x81c20280: fpl_aec_ctl             00051060    0x81c20284:
fpl_aec_ctl2            04009f60
0x81c20288: fpl_pcs_ctl             00000160    0x81c2028c:
fpl_fec_ctl             00000441
0x81c20290: fpl_fec_cor             00000000    0x81c20294:
fpl_fec_uncor           00000000
0x81c20298: fpl_hss_link_ctl        0031f040    0x81c2029c:
fpl_afifo_link_ctl      00000a86
0x81c202a0: fpl_echo_lb_ctl         0000028c    0x81c202a4:
fpl_scratch             00000121
0x81c202a8: fpl_debug               00030005    0x81c202ac:
fpl_misc_debug          00001800
0x00000000: SW_shadow_reg           00000000    0x00000000:
SW_c4_phyp->cfgptr      00030000

per-fpg (per octet) registers
=============================
0x8180382c: fpg_serdes_ctla0        81a37be7    0x81803830:
fpg_serdes_ctla1        81a37be7
0x81803834: fpg_serdes_ctlb0        81a1c3c3    0x81803838:
fpg_serdes_ctlb1        81a1c3c3
0x8180383c: fpg_serdes_xgmii_1ms    00067c28    0x81803840:
fpg_serdes_regtimctl    40e47946
0x81803844: fpg_serdes_asnrsttimctl 00000102

HSS PLL registers
=============================
0x81803400: 00_hssplla_vco_coarse_cal0      00000000    0x81803404:
01_hssplla_vco_coarse_cal1      00000014
0x81803408: 02_hssplla_vco_coarse_cal2      00000000    0x8180340c:
03_hssplla_vco_coarse_cal3      00000000
0x81803410: 04_hssplla_vco_coarse_cal4      00000000    0x81803424:
09_hssplla_power_ctl            00000000
0x81803428: 0A_hssplla_charge_pump_ctl      00000004    0x81803438:
0E_hssplla_pll_misc_ctl         00000000
0x8180343c: 0F_hssplla_pclk_ctl             000000f8    0x81803440:
10_hssplla_eyem_intv_ctl        00000000
0x81803444: 11_hssplla_eyem_intv_lim1       00000000    0x81803448:
12_hssplla_eyem_intv_lim2       00000000
0x8180344c: 13_hssplla_eyem_intv_lim3       00000000    0x81803450:
14_hssplla_eyem_intv_lim4       00000000
0x818034f0: 3C_hssplla_macro_tst_ctl4       00000000    0x818034f4:
3D_hssplla_macro_tst_ctl3       00000000
0x818034f8: 3E_hssplla_macro_tst_ctl2       00000000    0x818034fc:
3F_hssplla_macro_tst_ctl1       00000000
0x81803500: 00_hssp1lb_vco_coarse_cal0      0000000a    0x81803504:
01_hssp1lb_vco_coarse_cal1      00000014
0x81803508: 02_hssp1lb_vco_coarse_cal2      00000000    0x8180350c:
03_hssp1lb_vco_coarse_cal3      00000000
0x81803510: 04_hssp1lb_vco_coarse_cal4      00000000    0x81803524:
```

09_hsspllb_power_ctl 00000000
0x81803528: 0A_hsspllb_charge_pump_ctl 00000004 0x81803538:
0E_hsspllb_pll_misc_ctl 00000000
0x8180353c: 0F_hsspllb_pclk_ctl 000000f8 0x81803540:
10_hsspllb_eyem_intv_ctl 00000000
0x81803544: 11_hsspllb_eyem_intv_lim1 00000000 0x81803548:
12_hsspllb_eyem_intv_lim2 00000000
0x8180354c: 13_hsspllb_eyem_intv_lim3 00000000 0x81803550:
14_hsspllb_eyem_intv_lim4 00000000
0x818035f0: 3C_hsspllb_macro_tst_ctl4 00000000 0x818035f4:
3D_hsspllb_macro_tst_ctl3 00000000
0x818035f8: 3E_hsspllb_macro_tst_ctl2 00000000 0x818035fc:
3F_hsspllb_macro_tst_ctl1 00000000

HSS TX registers
================
0x81802000: 00_hsstx_cfg_mode_PHY 00009f48 0x81802004:
01_hsstx_test_ctl 00000000
0x81802008: 02_hsstx_coeff_ctl_INV 00000000 0x8180200c:
03_hsstx_drv_mode_ctl 00000000
0x81802010: 04_hsstx_drv_ovrd_ctl 00000010 0x81802014:
05_hsstx_dclk_align_ovrd 00000080
0x81802018: 06_hsstx_imp_cal_ovrd 00000c0c 0x8180201c:
07_hsstx_dclk_drift_tol 00000004
0x81802020: 08_hsstx_tap0_coeff_TUNE 00000000 0x81802024:
09_hsstx_tap1_coeff_TUNE 00000003
0x81802028: 0A_hsstx_tap2_coeff_TUNE 00000018 0x8180202c:
0B_hsstx_tap3_coeff_TUNE 0000000d
0x81802034: 0D_hsstx_pol_INV 00000004 0x81802038:
0E_hsstx_ae_cmd 00000000
0x8180203c: 0F_hsstx_ae_stat 00000000 0x81802040:
10_hsstx_ae_tap0_TUNE 00000000
0x81802044: 11_hsstx_ae_tap1_TUNE 00000000 0x81802048:
12_hsstx_ae_tap2_TUNE 00000028
0x8180204c: 13_hsstx_ae_tap3_TUNE 00000000 0x81802054:
15_hsstx_app_tune 0000120e
0x81802058: 16_hsstx_analog_diag 00000000 0x81802060:
18_hsstx_4x_seg_app 0000aafa
0x81802064: 19_hsstx_2x_seg_app 00000000 0x81802068:
1A_hsstx_1x_seg_app 0000ff5d
0x8180206c: 1B_hsstx_seg_4x_term_app 00000000 0x81802070:
1C_hsstx_seg_2x1x_term_app 00000f00
0x81802074: 1D_hsstx_tap_sign_app 00000004 0x81802078:
1E_hsstx_ext_addr_data 00000001
0x8180207c: 1F_hsstx_ext_addr_addr 00000000 0x81802080:
20_hsstx_pat_buf_bytes_1_0 00000000
0x81802084: 21_hsstx_pat_buf_bytes_3_2 00000000 0x81802088:
22_hsstx_pat_buf_bytes_5_4 00000000
0x8180208c: 23_hsstx_pat_buf_bytes_7_6 00000000 0x8180209c:
27_hsstx_8023az_ctl 00000000
0x818020a0: 28_hsstx_dcc_ctl 000060c0 0x818020a4:
29_hsstx_dcc_ovrd 00000000
0x818020a8: 2A_hsstx_dcc_app 00000086 0x818020ac:
2B_hsstx_dcc_timeout 0000ffff

```
0x818020c0: 30_hsstx_tap_sign_ovrd          00000000    0x818020c8:
32_hsstx_seg_4x_ovrd            00000000
0x818020cc: 33_hsstx_seg_2x_ovrd            00000000    0x818020d0:
34_hsstx_seg_1x_ovrd            00000000
0x818020d8: 36_hsstx_tap_seg_4x_term_ovrd   00000000    0x818020dc:
37_hsstx_tap_seg_2x_term_ovrd   00000000
0x818020e0: 38_hsstx_tap_seg_1x_term_ovrd   00000000    0x818020ec:
3B_hsstx_mac_test_ctl5          00000000
0x818020f0: 3C_hsstx_mac_test_ctl4          00000000    0x818020f4:
3D_hsstx_mac_test_ctl3          00000000
0x818020f8: 3E_hsstx_mac_test_ctl2          00000000    0x818020fc:
3F_hsstx_mac_test_ctl1          000000c6

HSS RX registers
================
0x81802200: 00_hssrx_cfg_mode_PHY           00009e78    0x81802204:
01_hssrx_test_ctl               00000000
0x81802208: 02_hssrx_phs_rot_ctl            0000cb80    0x8180220c:
03_hssrx_phs_rot_ofs_ctl        00001610
0x81802210: 04_hssrx_phs_rot_posn1          00001a18    0x81802214:
05_hssrx_phs_rot_posn2          00000008
0x81802218: 06_hssrx_phs_rot_sta_ofs1       00000101    0x8180221c:
07_hssrx_phs_rot_sta_ofs2       0000001f
0x81802220: 08_hssrx_dfe_ctl_PHY            00002002    0x81802224:
09_hssrx_dfe_smpl_snap1         00000000
0x81802228: 0A_hssrx_dfe_smpl_snap2         00008000    0x8180222c:
0B_hssrx_vga_ctl1               00004002
0x81802230: 0C_hssrx_vga_ctl2               00007aa0    0x81802234:
0D_hssrx_vga_ctl3               000009e4
0x81802238: 0E_hssrx_pwr_mgmnt_ctl          0000001f    0x8180223c:
0F_hssrx_iqamp_ctl1             0000001b
0x81802240: 10_hssrx_iqamp_ctl2             00000007    0x81802244:
11_hssrx_dacap_dacan_sel        00000003
0x81802248: 12_hssrx_dacap_dacan            0000fffe    0x8180224c:
13_hssrx_daca_min               00000000
0x81802250: 14_hssrx_adac_ctl               00000000    0x81802254:
15_hssrx_ac_cp_ctl              000031c3
0x81802258: 16_hssrx_ac_cp_val              00008054    0x8180225c:
17_hssrx_dfe_h1h2h3_lcl_off_ch  00000014
0x81802260: 18_hssrx_dfe_h1h2h3_lcl_off_val 00000000    0x81802264:
19_hssrx_peaked_intg            000000ff
0x81802268: 1A_hssrx_cdr_analog_sw          0000ce00    0x8180226c:
1B_hssrx_peaking_amp_init_c_PHY 00000000
0x81802270: 1C_hssrx_dac_dpc                00000040    0x81802274:
1D_hssrx_ddc                    00000000
0x81802278: 1E_hssrx_int_stat_PHY           00001c0f    0x8180227c:
1F_hssrx_dfe_func_ctl1_PHY      0000ffff
0x81802280: 20_hssrx_dfe_func_ctl2_INV      00007ebf    0x81802284:
21_hssrx_ofs_ch_dcc_qcc_idx     00002000
0x81802288: 22_hssrx_dfe_ofs_val            00007e03    0x8180228c:
23_hssrx_h_coeff_bist           00000405
0x81802290: 24_hssrx_ac_cap_bist            00000000    0x81802294:
25_hssrx_max_gain_path_idx_res  00007800
0x81802298: 26_hssrx_loff_ctl               00000040    0x8180229c:
```

```
27_hssrx_sigdet_ctl             00002380
0x818022a0: 28_hssrx_ana_ctl_sw             00000000    0x818022a4:
29_hssrx_intg_dac_ofs           0000dfe2
0x818022a8: 2A_hssrx_eye_ctl                00000000    0x818022ac:
2B_hssrx_eye_met                00000004
0x818022b0: 2C_hssrx_eye_met_err_cnt        00000000    0x818022b4:
2D_hssrx_eye_met_pdf_eyec       00000000
0x818022b8: 2E_hssrx_eye_met_pat_len        0000007f    0x818022bc:
2F_hssrx_dfe_func_ctl3          0000dfff
0x818022c0: 30_hssrx_dfe_tap_ctl_idx_ptr    00000008    0x818022c4:
31_hssrx_dfe_tap                00003030
0x818022c8: 32_hssrx_lte_ctl_TUNE           00001601    0x818022e4:
39_hssrx_int_stat2              0000c1ff
0x818022e8: 3A_hssrx_ac_cpl_cur_src_adj     00000042    0x818022ec:
3B_hssrx_dcd_ctl                00007c41
0x818022f0: 3C_hssrx_dcc_ctl                00000d00    0x818022f4:
3D_hssrx_qcc_ctl                00006941
0x818022f8: 3E_hssrx_mac_test_ctl2          00000000    0x818022fc:
3F_hssrx_mac_test_ctl1          00000000
0x81802248: 12_hssrx_dacap_dacan[02]                00fe fffe
0x81802260: 18_hssrx_dfe_h1h2h3_lcl_off_va[00]      0000 0000   0000
0000   0000 0000   0000 0000
0x81802260: 18_hssrx_dfe_h1h2h3_lcl_off_va[08]      0000 0000   0000
0000   0000 0000   0000 0000
0x81802260: 18_hssrx_dfe_h1h2h3_lcl_off_va[16]      0000 0000   0000
0000   0000
0x81802288: 22_hssrx_dfe_ofs_val[00][00]            7e03 007f   0b04
7f7f   0003 007f
0x81802288: 22_hssrx_dfe_ofs_val[03][00]            7f7d 0000   027d
7f00   017b 7f00
0x81802288: 22_hssrx_dfe_ofs_val[06][00]            0476 0001   7d05
007f   7c7f 0000
0x81802288: 22_hssrx_dfe_ofs_val[09][00]            7d0b 007f   7d79
0000   037d 0000
0x81802288: 22_hssrx_dfe_ofs_val[12][00]            0305 007f   7d7d
0000   0206 007f
0x81802288: 22_hssrx_dfe_ofs_val[15][00]            7b04 0000   7c08
0000   7b04 007f
0x81802288: 22_hssrx_dfe_ofs_val[18][00]            7805 007f   7d00
0000   007e 0000
0x81802288: 22_hssrx_dfe_ofs_val[21][00]            007e 0000   007e
0000   007e 0000
0x81802288: 22_hssrx_dfe_ofs_val[24][00]            0778 0000   7e05
0000   7f00 0000
0x81802294: 25_hssrx_max_gain_path_idx_res[00]      005d 084e   1001
1898   2100 28ba   30a0 3800
0x81802294: 25_hssrx_max_gain_path_idx_res[08]      40d0 48a0   508d
5800   6044 6800   70fc 7800
0x818022c4: 31_hssrx_dfe_tap[00]                    fffe 8080   0000
0000   0030 0030   3030 3030
0x818022c4: 31_hssrx_dfe_tap[08]                    3030 3030   3030
0000
0x818022e8: 3A_hssrx_ac_cpl_cur_src_adj[00]         0042 0042   0042
0042
```

```
0x818022ec: 3B_hssrx_dcd_ctl[00]                    7c41 5c00   7c85
5c00   7c82
0x818022f0: 3C_hssrx_dcc_ctl[00]                    0d00 0d81   0d83
0d00
0x818022f4: 3D_hssrx_qcc_ctl[00]                    6987 6941

xfipcs, fec, aec, & aet registers
=================================
0x81c20400: xfipcs_reg              [00] 00002040 00000080 00000000
00000000    00000001 00000008 00000000 00000000
0x81c20420: xfipcs_reg              [08] 00008c01 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c20440: xfipcs_reg              [16] 00000000 00000000 00000000
00000000    00000040 00000000 00000000 00000000
0x81c20460: xfipcs_reg              [24] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c20480: xfipcs_reg              [32] 00000004 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c20620: fec_32g_128g_reg        [08] 00000000 00000000 00000000
00000000    00000000 00000000 00000000
0x81c20648: fec_32g_128g_reg        [18] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c20a00: aec_reg                 [00] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c20c00: aet_reg                 [00] 00000000 00000000 00000000
00000000    00000000

bbc registers
=============
0x81c21800: bbc_trc                 0    0    0    0    0    0    0
0
0x81c21840: bbc_trc                 0    0    0    0    0    0    0
0
0x81c21880: bbc_trc                 0    0    0    0    0    0    0
0
0x81c218c0: bbc_trc                 0    0    0    0    0    0    0
0
0x81c21900: bbc_trc                 0    0    0    0    0    0    0
0
0x81c21804: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c21844: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c21884: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c218c4: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c21904: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c21a00: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c21a20: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c21a40: bbc_rcc                 0    0    0    0    0    0    0
```

```
0
0x81c21a60: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c21a80: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c21c00: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c21c20: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c21c40: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c21c60: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c21c80: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c21d00: bbc_fbpc                00000000    0x81c21d04: bbc_csc
00000000
0x81c21d08: bbc_rcc_inc             00000000    0x81c21d0c:
bbc_rqc_inc             00000000
0x81c21d10: bbc_fbpc_inc            00000000    0x81c21d14:
bbc_tmc_inc             00000000
0x81c21d18: bbc_threshold           00080100    0x81c21d1c:
bbc_counter_clr         00000000
0x81c21d20: bbc_debug_en            00000000    0x81c21d24: bbc_ctrl
00200020
0x81c21d28: bbc_rqc_rcc_thresh      00000055    0x81c21d34:
bbc_bb_sc_n             00000000
0x81c21d38: bbc_crd_reco_debug      00000000    0x81c21d3c:
bbc_crd_reco_debug_data 00000000
0x81c21d40: bbc_multi_frm_loss_cnt  00000000    0x81c21d44:
bbc_multi_rdy_loss_cnt  00000000
0x81c21d48: bbc_1frm_loss_recov_cnt 00000000    0x81c21d4c:
bbc_1rdy_loss_recov_cnt 00000000
0x81c21d58: bbc_int_status          00000000    0x81c21d5c:
bbc_int_set             00000000
0x81c21d60: bbc_int_first           00000000    0x81c21d64:
bbc_frm_rdy_rx_err_addr 00000000
0x81c21d68: bbc_frm_rdy_tx_err_addr 00000000    0x81c21d6c:
bbc_trc_mbc_err_addr    00000000
0x81c21d70: bbc_frm_rdy_rx_dbl_ecc  00000000    0x81c21d74:
bbc_frm_rdy_tx_dbl_ecc  00000000
0x81c21d78: bbc_trc_mbc_dbl_ecc     00000000
0x81c21d7c: bbc_fsm_status          00001011    0x81c21d80:
bbc_force_err           00000000
0x81c21d84: bbc_crdt_avail0         ffffffff    0x81c21d88:
bbc_crdt_avail1         000000ff
0x81c21d8c: bbc_scratch             00000000

FPS registers
=============
0x81c20004: fps_er_enc_in           00000000    0x81c20008:
fps_er_crc              00000000
0x81c2000c: fps_er_trunc            00000000    0x81c20010:
fps_er_toolong          00000000
```

```
0x81c20014: fps_er_bad_eof          00000000    0x81c20018:
fps_er_enc_out          00000000
0x81c2001c: fps_er_bad_os           00000000    0x81c20020:
fps_er_flush            00000000
0x81c20024: fps_er_ifg              00000000    0x81c20038:
fps_er_crc_good_eof     00000000
0x81c2003c: fps_inv_arb             00000000    0x81c20040:
fps_slow_sts_status     00000000
0x81c20044: fps_tx_frm_cnt          00000000    0x81c20048:
fps_rx_frm_cnt          00000000
0x81c20050: fps_tx_word_cnt_hi      00000000    0x81c2004c:
fps_tx_word_cnt_lo      00000000
0x81c20058: fps_rx_word_cnt_hi      00000000    0x81c20054:
fps_rx_word_cnt_lo      00000000

BAL registers
=============
0x81c27000: bal_desired_buf         00000000    0x81c27004:
bal_alloc_buf           00000000
0x81c27008: bal_busy_buf            00000000    0x81c2700c:
bal_usable_buf          00000000
0x81c27010: bal_max_bor_buf         00000000
0x81c27014: bal_busy_buf_thresh     00000002

TXQ registers
=============
0x81c23004: txq_phys_port_ctl       00440000
0x81c23050: txq_link_skew           00000000
0x81c23068: txq_cr_lk_dttn_intr_sts [00] 00000000 00000000
0x81c23070: txq_cr_lk_dttn_intr_en  [00] 00000000 00000000
0x81c23024: txq_disc_frm_trap_cnt   00000014

FDS registers
=============
0x81c24000: fds_rxf_ctl             00000002    0x81c24004:
fds_rxf_wait_thresh     00000909
0x81c24018: fds_rxf_first_error     00000000    0x81c2401c:
fds_rxf_first_error_info00000000
0x81c24020: fds_rxf_inout_pkt_cnt   00000000
0x81c24008: fds_rxf_err_int_status  00000000    0x81c24024:
fds_rxf_fifo_status     00888888
0x81c25000: fds_txf_ctl             0000003a    0x81c25004:
fds_txf_wait_ifg_thresh 00a00106
0x81c25008: fds_txf_err_int_status  00000000    0x81c25024:
fds_txf_fifo_status     00088888
0x81c2502c: fds_txf_bbc_scs         00000000

Logical TXQ registers
=====================
0x81c23000: txq_log_port_ctl        00000002    0x81c23008:
txq_port_status         00000000
0x81c2300c: txq_todo_flags          [00] 00000000 00000000
0x81c23014: txq_spd_match_desc      [00] 00000000 00000000 00000000
00000000
```

```
0x81c23024: txq_spd_match_desc      [04] 00000014
0x81c23028: txq_vc_weight           [00] 01010101 01010101 01010101
01010101
0x81c23038: txq_vc_weight           [04] 01010101 01010101 01010101
01010101
0x81c23048: txq_vc_weight           [08] 01010101 00010101
0x81c23054: txq_cong_dttn_ctrl      00000000
0x81c23058: txq_cong_dttn_intr_sts  [00] 00000000 00000000
0x81c23060: txq_cong_dttn_intr_en   [00] 00000000 00000000
0x81c23078: txq_bw_limit_en_reg     [00] 00000000 00000000
0x81c23080: txq_bw_gua_en_reg       [00] 00000000 00000000
0x81c23088: txq_vc_group            [00] 03030300 03030303 03030303
03030303
0x81c23098: txq_vc_group            [04] 03030303 03030303 03030303
03030303
0x81c230a8: txq_vc_group            [08] 03030303 03030303 00000000
00000000
0x81c230b0: txq_bw_thresh_group     [00] 00000000 00000000 00000000
00000000
0x81c230c0: txq_bw_thresh_group     [04] 00000000 00000000 00000000
00000000
0x81c230d0: txq_bw_thresh_group     [08] 00000000 00000000 00000000
00000000
0x81c230e0: txq_bw_thresh_group     [12] 00000000 00000000 00000000
00000000
0x81c230f0: txq_bw_thresh_group     [16] 00000000 00000000 00000000
00000000
0x81c23100: txq_bw_thresh_group     [20] 00000000 00000000 00000000
00000000
0x81c23110: txq_bw_thresh_group     [24] 00000000 00000000 00000000
00000000
0x81c23120: txq_bw_thresh_group     [28] 00000000 00000000 00000000
00000000
0x81c23130: txq_bw_thresh_group     [32] 00000000 00000000 00000000
00000000
0x81c23140: txq_bw_thresh_group     [36] 00000000 00000000 00000000
00000000

txq Congestion detection Statistics RAM
=======================================
0x81090280: vc[0]       00000000        0x81090284: vc[1]
00000000
0x81090288: vc[2]       00000000        0x8109028c: vc[3]
00000000
0x81090290: vc[4]       00000000        0x81090294: vc[5]
00000000
0x81090298: vc[6]       00000000        0x8109029c: vc[7]
00000000
0x810902a0: vc[8]       00000000        0x810902a4: vc[9]
00000000
0x810902a8: vc[10]      00000000        0x810902ac: vc[11]
00000000
0x810902b0: vc[12]      00000000        0x810902b4: vc[13]
00000000
```

```
0x810902b8: vc[14]      00000000        0x810902bc: vc[15]
00000000
0x810902c0: vc[16]      00000000        0x810902c4: vc[17]
00000000
0x810902c8: vc[18]      00000000        0x810902cc: vc[19]
00000000
0x810902d0: vc[20]      00000000        0x810902d4: vc[21]
00000000
0x810902d8: vc[22]      00000000        0x810902dc: vc[23]
00000000
0x810902e0: vc[24]      00000000        0x810902e4: vc[25]
00000000
0x810902e8: vc[26]      00000000        0x810902ec: vc[27]
00000000
0x810902f0: vc[28]      00000000        0x810902f4: vc[29]
00000000
0x810902f8: vc[30]      00000000        0x810902fc: vc[31]
00000000
0x81090300: vc[32]      00000000        0x81090304: vc[33]
00000000
0x81090308: vc[34]      00000000        0x8109030c: vc[35]
00000000
0x81090310: vc[36]      00000000        0x81090314: vc[37]
00000000
0x81090318: vc[38]      00000000        0x8109031c: vc[39]
00000000


Logical STS registers
=====================
0x81584384: sts_ftb_type1_miss      00000000
0x81584388: sts_ftb_type2_miss      00000000
0x8158438c: sts_ftb_type6_miss      00000000
0x81584390: sts_hard_zoning_miss    00000000
0x81584394: sts_lun_zoning_miss     00000000
0x8158439c: sts_unroutable          00000000
0x815813b4: sts_rte_cl2             00000000    0x815813b8:
sts_rte_cl3             00000000        0x815813bc: sts_rte_link_ctl
00000000        0x815843a8: sts_tx_timeout          00000000

Logical STS filter registers
=====================
0x81584300: sts_flt_trig            [00] 00000000 00000000 00000000
00000000
0x81584310: sts_flt_trig            [04] 00000000 00000000 00000000
00000000
0x81584320: sts_flt_trig            [08] 00000000 00000000 00000000
00000000
0x81584330: sts_flt_trig            [12] 00000000 00000000 00000000
00000000
0x81584340: sts_flt_trig            [16] 00000000 00000000 00000000
00000000
0x81584350: sts_flt_trig            [20] 00000000 00000000 00000000
00000000
```

```
0x81584360: sts_flt_trig            [24] 00000000 00000000 00000000
00000000
0x81584370: sts_flt_trig            [28] 00000000 00000000 00000000
00000000
0x81584380: sts_flt_trig            [32]

Logical STS discard registers
=====================
0x815815d0: disc_mcast_wka          00000000    0x815815d4:
disc_inv_did            00000000
0x815815d8: disc_cl1_cl4            00000000    0x815815dc:
disc_sid_chk_fail       00000000
0x815815e0: disc_inv_dom_egid_txpt  00000000    0x815815e4:
disc_vft_hop_cnt_1      00000000
0x815815e8: disc_classf             00000000    0x815815ec:
disc_fcp_cdb_inv        00000000
0x815815f0: disc_vfid_trap_enabled  00000000    0x815815f4:
disc_vfid_hdr_chk_fail  00000000
0x815815f8: disc_shim_cksum_fail    00000000    0x815815fc:
disc_fed_edit_cmd_err   00000000
0x81581600: disc_ftb_vm_mode        00000000    0x81581604:
disc_ftb_agn_t2_miss    00000000
0x81581608: disc_ecb_reserved       00000000    0x8158160c:
disc_ecb_de_pad_err     00000000
0x81581610: disc_ecb_de_tag_err     00000000    0x81581614:
disc_ecb_de_seq_err     00000000
0x81581618: disc_ecb_err            00000000    0x8158161c:
disc_ftb_type4_match    00000000
0x81581620: disc_fcp_rsp_ftb_type4  00000000    0x81581624:
disc_ftb_type5_match    00000000
0x81581628: disc_ftb_type3_match    00000000    0x8158162c:
disc_els_ftb_type3      00000000
0x81581630: disc_ftb_type1_match    00000000    0x81581634:
disc_els_rsp_ex_port    00000000
0x81581638: disc_inv_drp_dps        00000000    0x8158163c:
disc_did_lookup_miss    00000000
0x81581640: disc_ftb_type2_match    00000000    0x81581644:
disc_trpd_plogi_pdisc   00000000
0x81581648: disc_type2_lookup_miss  00000000    0x8158164c:
disc_ftb_type6_match    00000000
0x81581650: disc_els_rep_ex_port    00000000    0x81581654:
disc_els_sid_lkup_bit1  00000000
0x81581658: disc_els_sid_lkup_bit0  00000000    0x8158165c:
disc_bls_frm_trap_bit1  00000000
0x81581660: disc_ftb_token_err      00000000    0x81581664:
disc_asic_internal_err  00000000
0x81581668: disc_hard_zone_miss     00000000    0x8158166c:
disc_lun_zone_miss      00000000
0x81581670: disc_flt_frame_disc     00000000    0x81581674:
disc_flt_parity_err     00000000
0x81581678: disc_frame_marked_du    00000000    0x8158167c:
disc_frame_marked_to    00000000
0x81581680: disc_lkup_rte_prty_err  00000000
```

```
portstatsshow 60
stat_wtx                 0                   4-byte words transmitted
stat_wrx                 0                   4-byte words received
stat_ftx                 0                   Frames transmitted
stat_frx                 0                   Frames received
stat_c2_frx              0                   Class 2 frames received
stat_c3_frx              0                   Class 3 frames received
stat_lc_rx               0                   Link control frames
received
stat_mc_rx               0                   Multicast frames
received
stat_mc_to               0                   Multicast timeouts
stat_mc_tx               0                   Multicast frames
transmitted
tim_txcrd_z              0                   Time TX Credit Zero
(2.5Us ticks)
tim_txcrd_z_vc  0- 3:  0           0           0           0
tim_txcrd_z_vc  4- 7:  0           0           0           0
tim_txcrd_z_vc  8-11:  0           0           0           0
tim_txcrd_z_vc 12-15:  0           0           0           0
lat_tot_pkt_vc  0- 3:  1           1           1           1
lat_tot_pkt_vc  4- 7:  1           1           1           1
lat_tot_pkt_vc  8-11:  1           1           1           1
lat_tot_pkt_vc 12-15:  1           1           1           1
lat_hi_time_vc  0- 3:  0           0           0           0
lat_hi_time_vc  4- 7:  0           0           0           0
lat_hi_time_vc  8-11:  0           0           0           0
lat_hi_time_vc 12-15:  0           0           0           0
lat_lo_time_vc  0- 3:  1           1           1           1
lat_lo_time_vc  4- 7:  1           1           1           1
lat_lo_time_vc  8-11:  1           1           1           1
lat_lo_time_vc 12-15:  1           1           1           1
max_latency_vc  0- 3:  1           1           1           1
max_latency_vc  4- 7:  1           1           1           1
max_latency_vc  8-11:  1           1           1           1
max_latency_vc 12-15:  1           1           1           1
latency_dma_ts           09-09-2024 UTC Mon 08:47:26            TXQ
Latency DMA TimeStamp
fec_cor_detected         0                   Count of blocks that
were corrected by FEC
fec_uncor_detected       0                   Count of blocks that
were left uncorrected by FEC
er_enc_in                0                   Encoding errors inside
of frames
er_crc                   0                   Frames with CRC errors
er_trunc                 0                   Frames shorter than
minimum
er_toolong               0                   Frames longer than
maximum
er_bad_eof               0                   Frames with bad end-of-
frame
er_enc_out               0                   Encoding error outside
of frames
```

```
er_bad_os               0                   Invalid ordered set
er_pcs_blk              0                   PCS block errors
er_rx_c3_timeout        0                   Class 3 receive frames
discarded due to timeout
er_tx_c3_timeout        0                   Class 3 transmit frames
discarded due to timeout
er_unroutable           0                   Frames that are
unroutable
er_unreachable          0                   Frame with unreachable
destination
er_other_discard        0                   Other discards
er_type1_miss           0                   frames with FTB type 1
miss
er_type2_miss           0                   frames with FTB type 2
miss
er_type6_miss           0                   frames with FTB type 6
miss
er_zone_miss            0                   frames with hard zoning
miss
er_lun_zone_miss        0                   frames with LUN zoning
miss
er_crc_good_eof         0                   Crc error with good eof
er_inv_arb              0                   Invalid ARB
er_single_credit_loss   0                   Single vcrdy/frame loss
on link
er_multi_credit_loss    0                   Multiple vcrdy/frame
loss on link
other_credit_loss       0                   Link timeout/complete
credit loss
phy_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
phy_port stats clear
lgc_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
lgc_port stats clear
fec_corrected_rate      0                   FEC Corrected blocks per
second

portstats64show 60
stat64_wtx      0           top_int : 4-byte words transmitted
                0           bottom_int : 4-byte words transmitted
stat64_wrx      0           top_int : 4-byte words received
                0           bottom_int : 4-byte words received
stat64_ftx      0           top_int : Frames transmitted
                0           bottom_int : Frames transmitted
stat64_frx      0           top_int : Frames received
                0           bottom_int : Frames received
stat64_c2_frx   0           top_int : Class 2 frames received
                0           bottom_int : Class 2 frames received
stat64_c3_frx   0           top_int : Class 3 frames received
                0           bottom_int : Class 3 frames received
stat64_lc_rx    0           top_int : Link control frames received
                0           bottom_int : Link control frames
received
stat64_mc_rx    0           top_int : Multicast frames received
                0           bottom_int : Multicast frames received
```

```
stat64_mc_to    0           top_int : Multicast timeouts
                0           bottom_int : Multicast timeouts
stat64_mc_tx    0           top_int : Multicast frames transmitted
                0           bottom_int : Multicast frames
transmitted
tim64_rdy_pri   0           top_int : Time R_RDY high priority
                0           bottom_int : Time R_RDY high priority
tim64_txcrd_z   0           top_int : Time BB_credit zero
                0           bottom_int : Time BB_credit zero
er64_enc_in     0           top_int : Encoding errors inside of
frames
                0           bottom_int : Encoding errors inside of
frames
er64_crc        0           top_int : Frames with CRC errors
                0           bottom_int : Frames with CRC errors
er64_trunc      0           top_int : Frames shorter than minimum
                0           bottom_int : Frames shorter than minimum
er64_toolong    0           top_int : Frames longer than maximum
                0           bottom_int : Frames longer than maximum
er64_bad_eof    0           top_int : Frames with bad end-of-frame
                0           bottom_int : Frames with bad end-of-
frame
er64_enc_out    0           top_int : Encoding error outside of
frames
                0           bottom_int : Encoding error outside of
frames
er64_disc_c3    0           top_int : Class 3 frames discarded
                0           bottom_int : Class 3 frames discarded
er64_pcs_blk    0           top_int : PCS block errors
                0           bottom_int : PCS block errors
stat64_rateTxFrame      0           Tx frame rate (fr/sec)
stat64_rateRxFrame      0           Rx frame rate (fr/sec)
stat64_rateTxPeakFrame  0           Tx peak frame rate (fr/sec)
stat64_rateRxPeakFrame  0           Rx peak frame rate (fr/sec)
stat64_rateTxWord       0           Tx Word rate (words/sec)
stat64_rateRxWord       0           Rx Word rate (words/sec)
stat64_rateTxPeakWord   0           Tx peak Word rate (words/sec)
stat64_rateRxPeakWord   0           Rx peak Word rate (words/sec)
stat64_PRJTFrames       0           top_int : Number of PRJT frames
returned to this port
                        0           bottom_int : Number of PRJT
frames returned to this port
stat64_PBSYFrames       0           top_int : Number of PBSY frames
returned to this port
                        0           bottom_int : Number of PBSY
frames returned to this port
stat64_inputBuffersFull 0           top_int : Number of occurrences
when all input buffers full
                        0           bottom_int : Number of
occurrences when all input buffers full
stat64_rxClass1Frames   0           top_int : Number of class 1
frames received
                        0           bottom_int : Number of class 1
frames received
```

```
stat64_aveTxFrameSize   0           Average Tx Frame size
stat64_aveRxFrameSize   0           Average Rx Frame size
Lr_in           0           top_int
                0           bottom_int
Ols_in          0           top_int
                0           bottom_int
Lr_out          0           top_int
                0           bottom_int
Ols_out         0           top_int
                0           bottom_int
Link_failure    0           top_int
                0           bottom_int
Invalid_CRC     0           top_int
                0           bottom_int
Invalid_word    0           top_int
                0           bottom_int
Protocol_err    0           top_int
                0           bottom_int
Loss_of_sig     0           top_int
                0           bottom_int
Loss_of_sync    0           top_int
                0           bottom_int
er_bad_os       0           top_int : Invalid ordered set
                0           bottom_int: Invalid ordered set


portrouteshow 60
port address ID: 0x013c00
external unicast routing table:
   0: Embedded
 255: Embedded
internal unicast routing table:
   0: Embedded

portcamshow 60
-------------------------------------------------
Port  SID used  DID used  SID entries  DID entries
60     0         0         000000       000000
-------------------------------------------------

ptbufshow, ptcreditshow, ptdatashow, ptstatsshow 60
S:
S:VF Enable:            1
S:
S:C4 Global Variable:
S:-------------------------------------------------------------------
---------
S:trace_stop:           0
S:
S:C4 Phy Data Pointers: c4_phyp = 0xb6ab9040
S:-------------------------------------------------------------------
---------
S:tnodep                        0xbb82f7e0      pt
        0x43028004
```

```
S:proto_phyp            0xb88066c0      phy_cfg
0xb6aba080
S:c4_chp                        0x97e28000      c4_lgcp
0x97f58000
S:c4_phy_regp           0x81c20000      proc_dir
0xb85138c0
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4345678      num_port_timer          12
S:prev_if_id            0x43020004      S:ftx                   0
        tov                     0
S:initialized           0               port_idx                4
S:ui_idx                        60              slot_no
        0
S:blade_idx             4               sw_usr_ports            400
S:unused                        0               intr_debounced
        0
S:aec_status            0x0             reason_code
        0
S:debug                 0x00000004      debug_trc_line          0
S:rxbuf_list_head       0xffffffff      rxbuf_list_tail
0xffffffff
S:isAePort                      0               port_misc_data
                0
S:num_fault1_rx_disc    0               num_fault2_rx_disc      0
S:p_lli_cause0          0               p_sig_regained          0
S:p_sync_regained               0               enc_out
        0x0
S:cached_fps_status     0               cached_sts_status       0
S:cached_er_crc_good_eof        0
S:cached_er_bad_os      0               cached_er_too_long      0
S:cached_er_trunc       0
cached_tot_er_crc_good_eof      0
S:num_pt_excess_intr    0               num_no_fid              0
S:num_fault1_cnt                0               num_fault2_cnt
        0
S:num_fault_lip         0               num_fault_lli           0
S:num_fault_rx_fifo     0               num_fault_hss           0
S:num_fault_bwait               0               lli_intr_prim
        0
S:num_sw_link_to                0
be_link_err_mon_count           0
S:ecb_enc_enabled               0               ecb_comp_enabled
                0
S:ecb_rsv_enc           0               ecb_rsv_comp            0
S:ecb_enc_bm            0x0             ecb_key_index
0xffffffff
S:fab_idx               4
S:num_be_lto            0               lto_count_reset_intvl
        0
S:lr_count_reset_intvl          0               num_be_lr
        0
S:num_fault_qsfp                0               check_lto
        0
```

```
S:credit_loaded         0               num_credit_overrun
        0
S:fec_enabled           0x0             fec_los_to_flag         0x0
S:phy_stats_clear_ts            1725611419      pcs_err_online
        0
S:pcs_err_light_det             0               pcs_err_ignore
        0
S:pcs_blk_err           0               pcs_hiber               0
S:phy_port_status               0               ecb_enc_lr_count
                0
S:dport_mode            0               avoid_lto_det           0
S:sn_debounced          0x0             sn_started_kr_reqd      0
S:major_timer_started   0x0             ready_bm                0x0
S:parln_1_bm            0x0             parln_0_bm              0x0
S:be_los_of_sync_event_intvl            0
be_los_of_sync_event            0
S:erratePtenable_cntr           0               errataPoll_cntr
        0
S:jda_rx_sig_loss_det           0               jda_rx_sig_loss_cnt
                0
S:encrypt_blk_error             0
S:
S:      c4_trunk
S:=====================================
S:mark_ts               0x0             deskew                  0x0
S:master_phyp           0x0
S:
S:adelay[00]: 0x00000000 0x00000000 0x00000000 0x00000000
S:adelay[04]: 0x00000000 0x00000000 0x00000000 0x00000000
S:
S:      c4_buf
S:=====================================
S:tx_csc                        0               rx_csc
        0
S:ld_vc_credits         0               tx_flag                 0x0
S:alloc_buffers         0               req_buffers             0
S:est_buffers           20              ld_use_est              0
S:bb_sc_n                       0               rx_bb_sc_n
        0
S:data_cr                       5               nondata_cr
        6
S:cr_enable             0
S:ld_nondata_cr         6               tnodep
0xbb82f8c0
S:tx_credits[0] 0    0    0    0    0    0    0    0
S:tx_credits[8] 0    0    0    0    0    0    0    0
S:tx_credits[16]        0    0    0    0    0    0    0    0
S:tx_credits[24]        0    0    0    0    0    0    0    0
S:tx_credits[32]        0    0    0    0    0    0    0    0
S:rx_credits[0] 0    0    0    0    0    0    0    0
S:rx_credits[8] 0    0    0    0    0    0    0    0
S:rx_credits[16]        0    0    0    0    0    0    0    0
S:rx_credits[24]        0    0    0    0    0    0    0    0
S:rx_credits[32]        0    0    0    0    0    0    0    0
```

```
S:tx_mbc[0]     0    0    0    0    0    0    0    0
S:tx_mbc[8]     0    0    0    0    0    0    0    0
S:tx_mbc[16]    0    0    0    0    0    0    0    0
S:tx_mbc[24]    0    0    0    0    0    0    0    0
S:tx_mbc[32]    0    0    0    0    0    0    0    0
S:rx_mbc[0]     0    0    0    0    0    0    0    0
S:rx_mbc[8]     0    0    0    0    0    0    0    0
S:rx_mbc[16]    0    0    0    0    0    0    0    0
S:rx_mbc[24]    0    0    0    0    0    0    0    0
S:rx_mbc[32]    0    0    0    0    0    0    0    0
S:
S:C4 Chip Variables: c4_phyp->c4_chp = 0x97e28000
S:-----------------------------------------------------------------
---------
S:version = 2.1
S:magic_id              0xc4234567      init_state              0x8
S:reset_reg_mem         0x1
S:ch_int0_en_bm         0x0             intr0_cause             0x0
S:ch_int1_en_bm         0x0             intr1_cause             0x0
S:ch_int2_en_bm         0x0             intr2_cause             0x0
S:ch                    0x43010080      ch_cfg
0xb7013ba0
S:raslog_hndl.hndl      0x0             obj_halted              0x0
S:c4_chip_regp          0x80000000      c4_fpg_regp
0x81800000
S:num_chip_timer        0x5
S:hi_task_bm            0x0             lo_task_bm              0x0
S:c4_deferq.q_head      0x0             c4_deferq.q_tail        0x0
S:c4_tmrq.q_head        0x0             c4_tmrq.q_tail          0x0
slot_no                 0
S:chip_inst             0               chip_idx                0
S:pll_initialized               1
pll_serdes_initialized  1
S:init_tries            0               init_ptEnableBM
0xba01b488
S:tick_polling          0xb980c9c0      sec_polling
0xb980c960
S:bb_fid                        129
S:ecb_key_bm[0]         0x0             ecb_key_bm[1]           0x0
S:ecb_key_bm[2]         0x0             ecb_key_bm[3]           0x0
S:is_chip_enc_enabled                   0
is_chip_comp_enabled    0x0
S:ftb_rsrcp->ftb_flags  0x0             act_rsrcp->act_flag     0x1
S:lue_rsrcp->lue_flags[0]       0x0             lue_rsrcp-
>lue_flags[1]   0x0
S:c4_phyp[00]: 0xb6ab0000 0xb6ab2080 0xb6ab4100 0xb6ab6180
S:c4_phyp[04]: 0xb6ab9040 0xb6abb0c0 0xb6abd140 0xb6ac0000
S:c4_phyp[08]: 0xb6ac2080 0xb6ac4100 0xb6ac6180 0xb6ac9040
S:c4_phyp[12]: 0xb6acb0c0 0xb6acd140 0xb6ad0000 0xb6ad2080
S:c4_phyp[16]: 0xb6ad4100 0xb6ad6180 0xb6ad9040 0xb6adb0c0
S:c4_phyp[20]: 0xb6add140 0xb6ae0000 0xb6ae2080 0xb6ae4100
S:c4_phyp[24]: 0xb6ae6180 0xb6ae9040 0xb6aeb0c0 0xb6aed140
S:c4_phyp[28]: 0xb6af0000 0xb6af2080 0xb6af4100 0xb6af6180
S:c4_phyp[32]: 0xb6af9040 0xb6afb0c0 0xb6afd140 0xb6b00000
```

```
S:c4_phyp[36]: 0xb6b02080 0xb6b04100 0xb6b06180 0xb6b09040
S:c4_phyp[40]: 0xb6b0b0c0 0xb6b0d140 0xb6b10000 0xb6b12080
S:c4_phyp[44]: 0xb6b14100 0xb6b16180 0xb6b19040 0xb6b1b0c0
S:c4_phyp[48]: 0xb6b1d140 0xb6b20000 0xb6b22080 0xb6b24100
S:c4_phyp[52]: 0xb6b26180 0xb6b29040 0xb6b2b0c0 0xb6b2d140
S:c4_phyp[56]: 0xb6b30000 0xb6b32080 0xb6b34100 0xb6b36180
S:c4_phyp[60]: 0xb6b39040 0xb6b3b0c0 0xb6b3d140 0xb6b40000
S:c4_lgcp[00]: 0x97f48000 0x97f4c000 0x97f50000 0x97f54000
S:c4_lgcp[04]: 0x97f58000 0x97f5c000 0x97f60000 0x97f64000
S:c4_lgcp[08]: 0x97f68000 0x97f6c000 0x97f70000 0x97f74000
S:c4_lgcp[12]: 0x97f78000 0x97f7c000 0x97f80000 0x97f84000
S:c4_lgcp[16]: 0x97f88000 0x97f8c000 0x97f90000 0x97f94000
S:c4_lgcp[20]: 0x97f98000 0x97f9c000 0x97fa0000 0x97fa4000
S:c4_lgcp[24]: 0x97fa8000 0x97fac000 0x97fb0000 0x97fb4000
S:c4_lgcp[28]: 0x97fb8000 0x97fbc000 0x97fc0000 0x97fc4000
S:c4_lgcp[32]: 0x97fc8000 0x97fcc000 0x97fd0000 0x97fd4000
S:c4_lgcp[36]: 0x97fd8000 0x97fdc000 0x97fe0000 0x97fe4000
S:c4_lgcp[40]: 0x97fe8000 0x97fec000 0x97ff0000 0x97ff4000
S:c4_lgcp[44]: 0x97ff8000 0x97ffc000 0x8e000000 0x8e004000
S:c4_lgcp[48]: 0x8e008000 0x8e00c000 0x8e010000 0x8e014000
S:c4_lgcp[52]: 0x8e018000 0x8e01c000 0x8e020000 0x8e024000
S:c4_lgcp[56]: 0x8e028000 0x8e02c000 0x8e030000 0x8e034000
S:c4_lgcp[60]: 0x8e038000 0x8e03c000 0x8e040000 0x8e044000
S:chip_timers[00]: 0xb980c720 0xb980c780 0xb980c7e0 0xb980c840
S:chip_timers[04]: 0xb980c8a0 0xb980c900
S:disc_trap_enable_required     0x0             rxlp_disc_log_stop
        0x0
S:curr_rxlp_frm_cnt     0x0             curr_rxlp_disc_frm_cnt  0x0
S:sw_disc_frm_cnt       0x0             last_disc_frm_cnt       0x0
S:txq_nopop_pr_cnt      0x0             pollErrataDfe_ptBM
0xba01b4b0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][0]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][1]  0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][2]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][0] 0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][1]       0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][2] 0x0
S:
S:C4 Logical Port Variables
S:-----------------------------------------------------------------
---------
S:c4_lgc_regp           0x81c20000
S:c4_phyp:
S:      0xb6ab9040      0x0             0x0             0x0

S:      0x0             0x0             0x0             0x0

S:master_phyp           0xb6ab9040      if_id
0x43020004
S:min_phyp              0x0             max_phyp                0x0
S:num_phy_ports         1               lgc_num                 4
S:num_iu_to             0               sw_txq_bm
        0
S:port_fid              129             unused                  0
```

```
S:port_group            0               lgc_stats_clear_ts
                1725611419
S:domain_tbl_sel                0               area_tbl_sel
        0
S:egid_tbl_sel          0
S:serv_lo_bm            0x0
S:
S:Proto Phy Variables:
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4123456      asic_phyp
0xb6ab9040
S:port_id                       0x43028004      phy_cfg
        0xb6aba080
S:upsm_hdl              0xb8010500      physm_hdl
0xb8010280
S:ov_snsm_hdl           0xb8010140      sw_snsm_hdl
0xb80101e0
S:ov_lksm_hdl           0xb8010320      sw_lksm_hdl
0xb80103c0
S:trksm_hdl             0xb8010460      lr_flag         0x0
S:lr_active             0x0             qsfp_txrx_rate_sel
        0x0
S:
S:UPSM      UP00: UPST_PORT_DISABLED    --> UP00: UPST_PORT_DISABLED
S:SNSM(OV)  SN00: OV_SNST_STOPPED       --> SN00: OV_SNST_STOPPED
S:SNSM(SW)  SW00: SW_SNST_STAGE_WS      --> SW00: SW_SNST_STAGE_WS
S:PHYSM     PP00: PHYST_STOPPED         --> PP00: PHYST_STOPPED
S:LKSM(OV)  LK00: OV_LKST_INACTIVE      --> LK00: OV_LKST_INACTIVE
S:LKSM(SW)  SW13: INACTIVE              --> SW13: INACTIVE
S:TRKSM     TRK0: TRKST_INIT            --> TRK0: TRKST_INIT
S:
S:physm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb88066c0      physm_hdl
0xb8010280
S:force_offline         0               copper                  0
S:fault_reason          0: UNKNOWN
S:phy_media_present             0
S:
S:snsm variables:
S:-------------------------------------------------------------------
---------
S:speed                 0xff            proto_phyp
0xb88066c0
S:hw_sn_tries_left      0x0             sw_sn_tries_left        0x0
S:curr_txsp_count               0x0
S:tx_max                        0x0             curr_tx_indx
        0x0
S:curr_tx                       0x0             curr_rxsp_count
        0x0
S:rx_max                        0x0             curr_rx_indx
        0x0
```

```
S:curr_rx                       0x0             rx_mem
        0x0
S:rxsp_rec_count                0x0
S:nc_start              0x0             tx_start                0x0
S:sync_start            0x0             sync_present            0x0
S:diag_auto             0x0             diag_speed              0xff
S:striped_wd_tov                3000            hw_wd_tov
        3000
S:step                  0x0             qsfp28_speed_mode
        0x0
S:qsfp_mode0_hw_sn_tries_left           0x0
S:qsfp_mode1_hw_sn_tries_left           0x0
S:
S:lksm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb88066c0      ov_lksm_hdl
0xb8010320
sw_lksm_hdl             0xb80103c0
num_lf1                 0
S:hw_link_tries_left    0               sw_link_tries_left      0
S:buf_ptype             0x0             stored_entry_state      0x6
S:handshake_owner               0x0             mark_unsent
        0x0
S:busybuf_stuck         0x0             lr_wait                 0x0
S:
S:trksm variables:
S:-------------------------------------------------------------------
---------
S:Not a trunk port
S:
S:upsm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb88066c0      upsm_hdl
0xb8010500
S:bb_credits            0               port_beacon             0
S:port_diag_flag                0               force_offline
        0
S:port_fault_rsn                0: PORT_NO_FAULT
S:retry_init_rsn                0: UNKNOWN
S:linit_reason          0               linit_result            0
S:ie_fctl_mode          0               fec_in_sync_tries_left  0
S:retry_sn_fail_init    0
retry_link_fail_init    0
S:excess_lr_count       0
S:
S:c4_ch_cfg
S:-------------------------------------------------------------------
---------
S:c4_desc_ring_size     256      292      256      256      292
292      2        292      292
S:thresh_def            0        16       1        0
S:intr_tries            500             cmem_pattern
```

```
0xdeadbeef
S:cmem_pattern_upwd     2               cmem_init_time          16
S:cmem_init_tries               5
S:ctrl_par_thresh               2               data_par_thresh
        4
S:cam_par_thresh                4               buf_loss_thresh
        12
S:crit_par_thresh               2               non_crit_par_thresh
        6
S:pci_abort_thresh      10              pci_err_thresh          5
S:excess_chintr_thresh  8               sw_err_thresh           20
S:err_sample_period     300             intr_sleep
20000
S:frame_timeout 2500            proxy_dev               16384
S:vf_route      81920           qos             2048
S:stats 2048            f_redirect              2048
S:rsp_trap      2048            lun_zoning              20480
S:area_mode     0               ftb_max_loop[0]         0
S:ftb_max_loop[1]       6               ftb_max_loop[2]         9
S:ftb_max_loop[3]       10              ftb_max_loop[4]         10
S:ftb_max_loop[5]       5               ftb_max_loop[6]         6
S:ftb_seg_size[0]       0               ftb_seg_size[1]
16384
S:ftb_seg_size[2]       65536           ftb_seg_size[3]
16384
S:ftb_seg_size[4]       16384           ftb_seg_size[5]
65536
S:ftb_seg_size[6]       16384           ftb_seg_base[0]         0
S:ftb_seg_base[1]       0               ftb_seg_base[2]
65536
S:ftb_seg_base[3]       16384           ftb_seg_base[4]
32768
S:ftb_seg_base[5]       131072          ftb_seg_base[6]
49152
asic_err_monitor_period1                300
asic_err_monitor_period2                86400
zone_chk_to_poll_period 25
zone_chk_class2_reject_tov              220
S:
S:c4_phy_cfg
S:-------------------------------------------------------------------
---------
S:version = 2.1
S:pt                    0x43028004      fab_ptr
0x9a800000
S:fabattr                       0x9a8000d4      fab_iop
        0x9a800050
S:cfgbm                 0xbb82f624      port_ctrl
0xb6aba098
S:pcap.pcap_bm          0x8d215547      pcap.pcap2_bm
0x2588289
S:pcap.pcap3_bm         0x1bebe0c
ui_idx                  60              S:slot_no
        0
```

```
is_icl                  0               S:sw_usr_ports          400
S:neg_speed             0 0 0 0 0 0
S:my_domain             0x1             port_mode               0x0
S:hw_sn_maxtries                100             sw_sn_maxtries
        0
S:hw_link_maxtries      10              sw_link_maxtries        5
S:rx_cyc_tov            28              rttov                   300
S:bufrdy_tov            300             busybuf_tov             286
S:mark_tov              300             lksm_tov                3000
S:buf_dealloc_wait      4               hw_wd_tov               3000
S:hw_lk_train_tov               540             hw_lk_test_tov
        150
S:syswait_tx_12_lips    1               lip_rx_tov              55
S:al_time_tov           15              lp_tov                  2000
S:intr_tries_port               500             intr_mod_debounce
        250
S:intr_lsr_flt_debounce 500             intr_efifo_debounce     100
S:port_no_fid           3               excess_ptintr_thresh    8
S:port_fault1_thresh    100             port_fault1_spur_thresh 250
S:port_fault1_disc_thresh       500
port_fault1_disc_spur_thresh    1000
S:port_fault2_thresh    5               losync_tov              100
S:port_sw_link_to               15              en_8g_scramble
        1
frc_hw_sn_mode          0x1
S:enc_poll_thresh               0               fec_enable
        0
S:fec_in_sync_to                50              fec_in_sync_try_max
        4
S:port_be_lto_threshold         100             port_be_lr_threshold
                2
S:be_cr_in_sync_to              5
port_credit_overrun_thresh              10
S:jda_sfp_losig_tov             400
jda_sfp_losig_try_max           30
S:striped_wd_tov                3000
no_sync_debounce                1200
S:
S:      fab_iop
S:======================================
S:fab_iop->interop_mode 0x0             fab_iop->lab_mode       0x0
S:fab_iop->fl_bbc               0x0             fab_iop->fl_fan
        0x0
S:fab_iop->fl_cls               0x4             fab_iop->fl_rscn
        0x0
S:fab_iop->domain_id_offset     0x60            fab_iop-
>mcdt_fabric_mode       0x0
S:fab_iop->mcdt_default_zone            0x0             fab_iop-
>mcdt_safe_zone         0x0
S:
S:      port_ctrl
S:======================================
S:port_ctrl.port_type   1               port_ctrl.port_grp      0
S:port_ctrl.port_number 60              port_ctrl.vc_mode       1
```

```
S:
S:      port_ctrl.lcap
S:=====================================
S:has_serdes            0               has_media               1
S:topology              1               skip_nego               0
S:skip_pnego            0               skip_init_event         0
S:en_shim                       0               speed_neg
        1
S:loop_back             0               num_speeds              5
S:fec_enable            0
S:
S:      port_ctrl.speed_list array
S:=====================================
S:speed_list[0].auto_neg  1     speed_list[0].lnk_speed  0x0000000a
S:speed_list[1].auto_neg  1     speed_list[1].lnk_speed  0x00000008
S:speed_list[2].auto_neg  1     speed_list[2].lnk_speed  0x00000006
S:speed_list[3].auto_neg  1     speed_list[3].lnk_speed  0x00000005
S:speed_list[4].auto_neg  1     speed_list[4].lnk_speed  0x00000003
S:speed_list[5].auto_neg  0     speed_list[5].lnk_speed  0x00000000
S:
S:      port_ctrl.cm
S:=====================================
S:port_ctrl.cm.num_vcs          8
S:port_ctrl.cm.min_bufs         8
S:port_ctrl.cm.cr_shar_bufs     0
S:port_ctrl.vc_alloc
S:port_ctrl.vc_alloc            2 0 1 1 1 1 1 1
S:port_ctrl.vc_alloc            0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.norm_vc_alloc
S:port_ctrl.norm_vc_alloc       4 0 5 5 5 5 1 1
S:port_ctrl.norm_vc_alloc       0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.cm.skip_bb_credit           0
S:port_ctrl.cm.use_shim_based_sublist           0
S:
S:      port_ctrl.serdes_set
S:=====================================
S:serdes_type           0x8
S:serdes_data_t.ibm_hss_serdes.tx_drive_power           0x1
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b_sign      0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_a           0x0
S:serdes_data_t.ibm_hss_serdes.rxeq                     0x0
S:
S:      cfgbm
S:=====================================
S:old_distance          0x0             gport_lockdown          0x0
S:tport                 0x1             speed                   0x0
S:disable_eport         0x0             fcacc                   0x0
S:lport_lockdown                0x0             priv_lport_lockdown
        0x0
S:vcxlt_linit           0x0             delay_flogi             0x0
S:isl_interop           0x0             distance                0x0
```

```
S:BufStarvFlag          0x0             credit_sharing          0x0
S:lport_halfduplex      0x0             lport_fairness          0x0
S:soft_neg              0x0             asn_frc_hwretry         0x0
S:cr_recov              0x0             fport_buffers           0x0
S:export                        0x0             export_mode
        0x0
S:csctl_en              0x0             mirror_port             0x0
S:fault_delay           0x0             non_dfe                 0x0
S:fec_configured*(0=ENAB)       0               fec_tts
        0
S:port_persistently_disabled (permanently) 0 (0)
S:
S:      cfg property
S:======================================
S:priv_pcfg_bm          0x00000000      lgcl_pcfg_bm
0xbb82f664
S:fport_buffer          0x00000000
S:
S:
S:C4 Discard Cntrs: rxlp_stats = 0xb6ab93f0
S:-------------------------------------------------------------------
---------
S:disc_mcast_wka        0x0             disc_inv_did            0x0
S:disc_cl1_cl4          0x0             disc_sid_chk_fail       0x0
S:disc_inv_dom_egid_txpt        0x0             disc_vft_hop_cnt_1
        0x0
S:disc_classf           0x0             disc_fcp_cdb_inv        0x0
S:disc_vfid_trap_enabled        0x0
disc_vfid_hdr_chk_fail  0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_ftb_vm_mode      0x0             disc_ftb_agn_t2_miss    0x0
S:disc_ecb_de_pad_err   0x0             disc_ecb_de_tag_err     0x0
S:disc_ecb_de_seq_err   0x0             disc_ecb_err            0x0
S:disc_ftb_type4_match  0x0             disc_fcp_rsp_ftb_type4  0x0
S:disc_fcp_rsp_ftb_type4        0x0             disc_ftb_type5_match
        0x0
S:disc_ftb_type3_match  0x0             disc_els_ftb_type3      0x0
S:disc_ftb_type1_match  0x0             disc_els_rsp_ex_port    0x0
S:disc_inv_drp_dps      0x0             disc_did_lookup_miss    0x0
S:disc_ftb_type2_match  0x0             disc_trpd_plogi_pdisc   0x0
S:disc_type2_lookup_miss        0x0             disc_ftb_type6_match
        0x0
S:disc_els_rep_ex_port  0x0             disc_els_sid_lkup_bit1  0x0
S:disc_els_sid_lkup_bit0        0x0
disc_bls_frm_trap_bit1  0x0
S:disc_ftb_token_err    0x0             disc_asic_internal_err  0x0
S:disc_hard_zone_miss   0x0             disc_lun_zone_miss      0x0
S:disc_flt_frame_disc   0x0             disc_flt_parity_err     0x0
S:disc_frame_marked_du  0x0             disc_frame_marked_to    0x0
E:Connection type: FE
E:Port type: E_port
E:Trunk port: No
E:Configured Speed: AUTO_SPEED_NEGO
```

```
E:Max Capable Speed: 32G
E:Current SNSM Speed: UNDEFINED
E:Hardware TX Speed: 32G (0x00000004)
E:Hardware RX Speed: 32G (0x00000040)
E:
E:Interrupts:   0           Link_failure:       0
Loss_of_sync:   0           Loss_of_sig:        0
E:Lli:          0           Invalid_word:       0
E:trapped_frm:  0           fwd_status_ok:      0
E:fwd_timeout:  0           fwd_tx_unavail:     0
E:fwd_unroutable:       0           fwd_zone_out:       0
E:fwd_other_err:        0           frm_err_discard:    0
E:Fltr listA:   0           Fltr listB:         0
E:Zone trap fwd:        0           Zone trap disc:     0
E:shim_csum:    0           RTE_perr:           0
E:Invalid_crc:  0           Delim_err:          0
E:Protocol_err: 0
E:Lr_in:        0           Lr_out:             0
E:Ols_in:       0           Ols_out:            0


filterportshow 60

                FILTER DATA
                -----------
Shadow settings:
   Filter Enable: 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
```

```
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass: 0x00000000
Real settings:
   Enable RAM: 0x00000000, 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass RAM: 0x00000000

Shadowed filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        c4_fldenable[0] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[0] = 0x00000000,c4_fltr_config[0] = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        c4_fldenable[1] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[1] = 0x00000000,c4_fltr_config[1] = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        c4_fldenable[2] = 0x00000000 0x00000000 0x00000000
```

```
0x00000000
        c4_fldnegate[2] = 0x00000000,c4_fltr_config[2] = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        c4_fldenable[3] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[3] = 0x00000000,c4_fltr_config[3] = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        c4_fldenable[4] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[4] = 0x00000000,c4_fltr_config[4] = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        c4_fldenable[5] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[5] = 0x00000000,c4_fltr_config[5] = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        c4_fldenable[6] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[6] = 0x00000000,c4_fltr_config[6] = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        c4_fldenable[7] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[7] = 0x00000000,c4_fltr_config[7] = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        c4_fldenable[8] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[8] = 0x00000000,c4_fltr_config[8] = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        c4_fldenable[9] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[9] = 0x00000000,c4_fltr_config[9] = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        c4_fldenable[10] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[10] = 0x00000000,c4_fltr_config[10] =
0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        c4_fldenable[11] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[11] = 0x00000000,c4_fltr_config[11] =
0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        c4_fldenable[12] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[12] = 0x00000000,c4_fltr_config[12] =
0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        c4_fldenable[13] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[13] = 0x00000000,c4_fltr_config[13] =
0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        c4_fldenable[14] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[14] = 0x00000000,c4_fltr_config[14] =
```

```
0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        c4_fldenable[15] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[15] = 0x00000000,c4_fltr_config[15] =
0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        c4_fldenable[16] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[16] = 0x00000000,c4_fltr_config[16] =
0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        c4_fldenable[17] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[17] = 0x00000000,c4_fltr_config[17] =
0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        c4_fldenable[18] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[18] = 0x00000000,c4_fltr_config[18] =
0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        c4_fldenable[19] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[19] = 0x00000000,c4_fltr_config[19] =
0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        c4_fldenable[20] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[20] = 0x00000000,c4_fltr_config[20] =
0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        c4_fldenable[21] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[21] = 0x00000000,c4_fltr_config[21] =
0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        c4_fldenable[22] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[22] = 0x00000000,c4_fltr_config[22] =
0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        c4_fldenable[23] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[23] = 0x00000000,c4_fltr_config[23] =
0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        c4_fldenable[24] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[24] = 0x00000000,c4_fltr_config[24] =
0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        c4_fldenable[25] = 0x00000000 0x00000000 0x00000000
0x00000000
```

```
        c4_fldnegate[25] = 0x00000000,c4_fltr_config[25] =
0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        c4_fldenable[26] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[26] = 0x00000000,c4_fltr_config[26] =
0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        c4_fldenable[27] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[27] = 0x00000000,c4_fltr_config[27] =
0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        c4_fldenable[28] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[28] = 0x00000000,c4_fltr_config[28] =
0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        c4_fldenable[29] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[29] = 0x00000000,c4_fltr_config[29] =
0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        c4_fldenable[30] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[30] = 0x00000000,c4_fltr_config[30] =
0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        c4_fldenable[31] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[31] = 0x00000000,c4_fltr_config[31] =
0x00000000


Real filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
```

```
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
```

```
Filter 18: Not Installed (PERF3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
```

```
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000

Filter dirty indicator: 0x00000000
Performance filters: 0
Port Mirror filters: 0 (0x0)


               FIELD DATA
               ----------

Shadowed fields:

fldoffset[0] = 0x00,fldmask[0] = 0x00,fldvalue_dyna[0]:0x00 0x00
0x00 0x00
fldcontrol[0].inuse = 0x0  fldcontrol[0].refcnt = 0x00 0x00 0x00
0x00
fldoffset[1] = 0x00,fldmask[1] = 0x00,fldvalue_dyna[1]:0x00 0x00
0x00 0x00
fldcontrol[1].inuse = 0x0  fldcontrol[1].refcnt = 0x00 0x00 0x00
0x00
fldoffset[2] = 0x00,fldmask[2] = 0x00,fldvalue_dyna[2]:0x00 0x00
0x00 0x00
fldcontrol[2].inuse = 0x0  fldcontrol[2].refcnt = 0x00 0x00 0x00
0x00
fldoffset[3] = 0x00,fldmask[3] = 0x00,fldvalue_dyna[3]:0x00 0x00
0x00 0x00
fldcontrol[3].inuse = 0x0  fldcontrol[3].refcnt = 0x00 0x00 0x00
0x00
fldoffset[4] = 0x00,fldmask[4] = 0x00,fldvalue_dyna[4]:0x00 0x00
0x00 0x00
fldcontrol[4].inuse = 0x0  fldcontrol[4].refcnt = 0x00 0x00 0x00
0x00
fldoffset[5] = 0x00,fldmask[5] = 0x00,fldvalue_dyna[5]:0x00 0x00
0x00 0x00
fldcontrol[5].inuse = 0x0  fldcontrol[5].refcnt = 0x00 0x00 0x00
0x00
fldoffset[6] = 0x00,fldmask[6] = 0x00,fldvalue_dyna[6]:0x00 0x00
0x00 0x00
fldcontrol[6].inuse = 0x0  fldcontrol[6].refcnt = 0x00 0x00 0x00
0x00
fldoffset[7] = 0x00,fldmask[7] = 0x00,fldvalue_dyna[7]:0x00 0x00
0x00 0x00
fldcontrol[7].inuse = 0x0  fldcontrol[7].refcnt = 0x00 0x00 0x00
0x00
fldoffset[8] = 0x00,fldmask[8] = 0x00,fldvalue_dyna[8]:0x00 0x00
0x00 0x00
fldcontrol[8].inuse = 0x0  fldcontrol[8].refcnt = 0x00 0x00 0x00
0x00
fldoffset[9] = 0x00,fldmask[9] = 0x00,fldvalue_dyna[9]:0x00 0x00
0x00 0x00
fldcontrol[9].inuse = 0x0  fldcontrol[9].refcnt = 0x00 0x00 0x00
0x00
fldoffset[10] = 0x00,fldmask[10] = 0x00,fldvalue_dyna[10]:0x00 0x00
```

```
0x00 0x00
fldcontrol[10].inuse = 0x0  fldcontrol[10].refcnt = 0x00 0x00 0x00
0x00
fldoffset[11] = 0x00,fldmask[11] = 0x00,fldvalue_dyna[11]:0x00 0x00
0x00 0x00
fldcontrol[11].inuse = 0x0  fldcontrol[11].refcnt = 0x00 0x00 0x00
0x00
fldoffset[12] = 0x00,fldmask[12] = 0x00,fldvalue_dyna[12]:0x00 0x00
0x00 0x00
fldcontrol[12].inuse = 0x0  fldcontrol[12].refcnt = 0x00 0x00 0x00
0x00
fldoffset[13] = 0x00,fldmask[13] = 0x00,fldvalue_dyna[13]:0x00 0x00
0x00 0x00
fldcontrol[13].inuse = 0x0  fldcontrol[13].refcnt = 0x00 0x00 0x00
0x00
fldoffset[14] = 0x00,fldmask[14] = 0x00,fldvalue_dyna[14]:0x00 0x00
0x00 0x00
fldcontrol[14].inuse = 0x0  fldcontrol[14].refcnt = 0x00 0x00 0x00
0x00
fldoffset[15] = 0x00,fldmask[15] = 0x00,fldvalue_dyna[15]:0x00 0x00
0x00 0x00
fldcontrol[15].inuse = 0x0  fldcontrol[15].refcnt = 0x00 0x00 0x00
0x00
fldoffset[16] = 0x00,fldmask[16] = 0x00,fldvalue_dyna[16]:0x00 0x00
0x00 0x00
fldcontrol[16].inuse = 0x0  fldcontrol[16].refcnt = 0x00 0x00 0x00
0x00
fldoffset[17] = 0x00,fldmask[17] = 0x00,fldvalue_dyna[17]:0x00 0x00
0x00 0x00
fldcontrol[17].inuse = 0x0  fldcontrol[17].refcnt = 0x00 0x00 0x00
0x00
fldoffset[18] = 0x00,fldmask[18] = 0x00,fldvalue_dyna[18]:0x00 0x00
0x00 0x00
fldcontrol[18].inuse = 0x0  fldcontrol[18].refcnt = 0x00 0x00 0x00
0x00
fldoffset[19] = 0x00,fldmask[19] = 0x00,fldvalue_dyna[19]:0x00 0x00
0x00 0x00
fldcontrol[19].inuse = 0x0  fldcontrol[19].refcnt = 0x00 0x00 0x00
0x00

Real fields:

fldoffset RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fldmask RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fld value4 RAM:
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
```

```
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
Field dirty indicator: 0x00000000

FDB reference count fdb: 0 [0 0 0 0 ]
FDB reference count fdb: 1 [0 0 0 0 ]
FDB reference count fdb: 2 [0 0 0 0 ]
FDB reference count fdb: 3 [0 0 0 0 ]
FDB reference count fdb: 4 [0 0 0 0 ]
FDB reference count fdb: 5 [0 0 0 0 ]
FDB reference count fdb: 6 [0 0 0 0 ]
FDB reference count fdb: 7 [0 0 0 0 ]
FDB reference count fdb: 8 [0 0 0 0 ]
FDB reference count fdb: 9 [0 0 0 0 ]
FDB reference count fdb: 10 [0 0 0 0 ]
FDB reference count fdb: 11 [0 0 0 0 ]
FDB reference count fdb: 12 [0 0 0 0 ]
FDB reference count fdb: 13 [0 0 0 0 ]
FDB reference count fdb: 14 [0 0 0 0 ]
FDB reference count fdb: 15 [0 0 0 0 ]
FDB reference count fdb: 16 [0 0 0 0 ]
FDB reference count fdb: 17 [0 0 0 0 ]
FDB reference count fdb: 18 [0 0 0 0 ]
FDB reference count fdb: 19 [0 0 0 0 ]

Filter counters:
   Filter counter 0: 0  (MIRROR1)
   Filter counter 1: 0  (MIRROR2)
   Filter counter 2: 0  (MIRROR3)
   Filter counter 3: 0  (MIRROR4)
   Filter counter 4: 0  (AEPORT_NON_MIRR_DROP)
   Filter counter 5: 0  (ZONING TRAP)
   Filter counter 6: 0  (FCR_EXPORT_DC)
   Filter counter 7: 0  (TIN TRAP)
   Filter counter 8: 0  (FICON CUP)
   Filter counter 9: 0  (FICON CUP DST)
   Filter counter 10: 0 (WELL KNOWN ADDR)
   Filter counter 11: 0 (SIM)
   Filter counter 12: 0 (UNUSED)
   Filter counter 13: 0 (UNUSED)
   Filter counter 14: 0 (UNUSED)
   Filter counter 15: 0 (UNUSED)
   Filter counter 16: 0 (PERF1)
```

```
   Filter counter 17: 0 (PERF2)
   Filter counter 18: 0 (PERF3)
   Filter counter 19: 0 (PERF4)
   Filter counter 20: 0 (PERF5)
   Filter counter 21: 0 (PERF6)
   Filter counter 22: 0 (PERF7)
   Filter counter 23: 0 (PERF8)
   Filter counter 24: 0 (PERF9)
   Filter counter 25: 0 (PERF10)
   Filter counter 26: 0 (PERF11)
   Filter counter 27: 0 (PERF12)
   Filter counter 28: 0 (OPM1)
   Filter counter 29: 0 (OPM2)
   Filter counter 30: 0 (IPM1)
   Filter counter 31: 0 (IPM2)

               ACL DATA
               --------
Logical port 4: Hard Zoning disabled, Soft Zoning disabled
Zone type: WWN Zoning
Frames with hard zone miss: 0

*** Please use filterportshow on user port 56 to display ACL hash
tables and Mirroring resources of thischip.
 ***We show this data only for the first physical port which is an
exernal port.

portFcPortCmdShow --slot 0 61 3
doing portFcPortCmdShow: arg1 = 3, arg2 = -2

portshow 61
portDisableReason: None
portCFlags: 0x0
portFlags: 0x4021        PRESENT U_PORT DISABLED LED
LocalSwcFlags: 0x0
portType:  26.0
POD Port: Need license to enable the port
portState: 2    Offline
Protocol: FC
portPhys:  2    No_Module       portScn:   2    Offline
port generation number:    0
state transition count:    0

portId:    013d00
portIfId:    43020006
portWwn:   20:3d:d8:1f:cc:2c:99:90
portWwn of device(s) connected:
16b Area list:
Distance:  normal
portSpeed: N32Gbps

FEC: Inactive
Credit Recovery: Inactive
LE domain: 0
```

```
Peer beacon: Off
FC Fastwrite: OFF
Interrupts:        0          Link_failure: 0          Frjt:
0
Unknown:           0          Loss_of_sync: 0          Fbsy:
0
Lli:               0          Loss_of_sig:  0
Proc_rqrd:         0          Protocol_err: 0
Timed_out:         0          Invalid_word: 0
Tx_unavail:        0          Invalid_crc:  0
Delim_err:         0          Address_err:  0
Lr_in:             0          Ols_in:       0
Lr_out:            0          Ols_out:      0


portloginshow 61
Type  PID     World Wide Name        credit df_sz cos
=====================================================


portloginshow 61 -history
 Type  PID      World Wide Name           logout time
============================================================


portregshow 61

LED registers
=============
0x81c32000: c4_led_status           00000000    0x81c32004:
c4_led_ctl              00000000

FPL registers
=============
0x81c30200: fpl_port_config         23490000
0x81c3020c: fpl_port_id_ctl         00000000    0x81c30210:
fpl_port_id_addr        00013d00
0x81c30214: fpl_port_speed          00000004    0x81c3021c:
fpl_lli_ctl             00000903
0x81c30228: fpl_lli_os_ctl          bc95b5b5    0x81c3022c:
fpl_lli_send_word       bc95b5b5
0x81c30230: fpl_lli_mark_rx         00000000    0x81c30234:
fpl_lli_rnd_trip_time   00000000
0x81c30238: fpl_lli_ns_status       80070007    0x81c3023c:
fpl_lli_intr_status     80070007
0x81c30244: fpl_lli_def             00000000    0x81c30254:
fpl_lli_intr_enable_clr 00100000
0x81c30258: fpl_err_intr_status     00000000    0x81c30260:
fpl_err_intr_enable_clr 00000000
0x81c30268: fpl_err_first_error     00000000    0x81c3026c:
fpl_speed_neg_ctl       00000000
0x81c30270: fpl_speed_neg_stat      00000000    0x81c30274:
fpl_softasn_ctl         0000000f
0x81c30278: fpl_link_init_ctl       00000000    0x81c3027c:
```

```
fpl_link_init_stat      00000000
0x81c30280: fpl_aec_ctl             00051060    0x81c30284:
fpl_aec_ctl2            04009f60
0x81c30288: fpl_pcs_ctl             00000160    0x81c3028c:
fpl_fec_ctl             00000441
0x81c30290: fpl_fec_cor             00000000    0x81c30294:
fpl_fec_uncor           00000000
0x81c30298: fpl_hss_link_ctl        0031f040    0x81c3029c:
fpl_afifo_link_ctl      00000a86
0x81c302a0: fpl_echo_lb_ctl         0000028c    0x81c302a4:
fpl_scratch             00000121
0x81c302a8: fpl_debug               00030005    0x81c302ac:
fpl_misc_debug          00001800
0x00000000: SW_shadow_reg           00000000    0x00000000:
SW_c4_phyp->cfgptr      00030000

per-fpg (per octet) registers
=============================
0x8180382c: fpg_serdes_ctla0        81a37be7    0x81803830:
fpg_serdes_ctla1        81a37be7
0x81803834: fpg_serdes_ctlb0        81a1c3c3    0x81803838:
fpg_serdes_ctlb1        81a1c3c3
0x8180383c: fpg_serdes_xgmii_1ms    00067c28    0x81803840:
fpg_serdes_regtimctl    40e47946
0x81803844: fpg_serdes_asnrsttimctl 00000102

HSS PLL registers
=============================
0x81803400: 00_hssplla_vco_coarse_cal0      00000000    0x81803404:
01_hssplla_vco_coarse_cal1      00000014
0x81803408: 02_hssplla_vco_coarse_cal2      00000000    0x8180340c:
03_hssplla_vco_coarse_cal3      00000000
0x81803410: 04_hssplla_vco_coarse_cal4      00000000    0x81803424:
09_hssplla_power_ctl            00000000
0x81803428: 0A_hssplla_charge_pump_ctl      00000004    0x81803438:
0E_hssplla_pll_misc_ctl         00000000
0x8180343c: 0F_hssplla_pclk_ctl             000000f8    0x81803440:
10_hssplla_eyem_intv_ctl        00000000
0x81803444: 11_hssplla_eyem_intv_lim1       00000000    0x81803448:
12_hssplla_eyem_intv_lim2       00000000
0x8180344c: 13_hssplla_eyem_intv_lim3       00000000    0x81803450:
14_hssplla_eyem_intv_lim4       00000000
0x818034f0: 3C_hssplla_macro_tst_ctl4       00000000    0x818034f4:
3D_hssplla_macro_tst_ctl3       00000000
0x818034f8: 3E_hssplla_macro_tst_ctl2       00000000    0x818034fc:
3F_hssplla_macro_tst_ctl1       00000000
0x81803500: 00_hssp1lb_vco_coarse_cal0      0000000a    0x81803504:
01_hssp1lb_vco_coarse_cal1      00000014
0x81803508: 02_hssp1lb_vco_coarse_cal2      00000000    0x8180350c:
03_hssp1lb_vco_coarse_cal3      00000000
0x81803510: 04_hssp1lb_vco_coarse_cal4      00000000    0x81803524:
09_hssp1lb_power_ctl            00000000
0x81803528: 0A_hssp1lb_charge_pump_ctl      00000004    0x81803538:
0E_hssp1lb_pll_misc_ctl         00000000
```

```
0x8180353c: 0F_hsspllb_pclk_ctl             000000f8    0x81803540:
10_hsspllb_eyem_intv_ctl        00000000
0x81803544: 11_hsspllb_eyem_intv_lim1       00000000    0x81803548:
12_hsspllb_eyem_intv_lim2       00000000
0x8180354c: 13_hsspllb_eyem_intv_lim3       00000000    0x81803550:
14_hsspllb_eyem_intv_lim4       00000000
0x818035f0: 3C_hsspllb_macro_tst_ctl4       00000000    0x818035f4:
3D_hsspllb_macro_tst_ctl3       00000000
0x818035f8: 3E_hsspllb_macro_tst_ctl2       00000000    0x818035fc:
3F_hsspllb_macro_tst_ctl1       00000000

HSS TX registers
================
0x81802400: 00_hsstx_cfg_mode_PHY           00009f48    0x81802404:
01_hsstx_test_ctl               00000000
0x81802408: 02_hsstx_coeff_ctl_INV          00000000    0x8180240c:
03_hsstx_drv_mode_ctl           00000000
0x81802410: 04_hsstx_drv_ovrd_ctl           00000010    0x81802414:
05_hsstx_dclk_align_ovrd        00000080
0x81802418: 06_hsstx_imp_cal_ovrd           00000c0c    0x8180241c:
07_hsstx_dclk_drift_tol         00000004
0x81802420: 08_hsstx_tap0_coeff_TUNE        00000000    0x81802424:
09_hsstx_tap1_coeff_TUNE        00000003
0x81802428: 0A_hsstx_tap2_coeff_TUNE        00000018    0x8180242c:
0B_hsstx_tap3_coeff_TUNE        0000000d
0x81802434: 0D_hsstx_pol_INV                0000000a    0x81802438:
0E_hsstx_ae_cmd                 00000000
0x8180243c: 0F_hsstx_ae_stat                00000000    0x81802440:
10_hsstx_ae_tap0_TUNE           00000000
0x81802444: 11_hsstx_ae_tap1_TUNE           00000000    0x81802448:
12_hsstx_ae_tap2_TUNE           00000028
0x8180244c: 13_hsstx_ae_tap3_TUNE           00000000    0x81802454:
15_hsstx_app_tune               0000120e
0x81802458: 16_hsstx_analog_diag            00000000    0x81802460:
18_hsstx_4x_seg_app             0000aafa
0x81802464: 19_hsstx_2x_seg_app             00000000    0x81802468:
1A_hsstx_1x_seg_app             0000ff5d
0x8180246c: 1B_hsstx_seg_4x_term_app        00000000    0x81802470:
1C_hsstx_seg_2x1x_term_app      00000f00
0x81802474: 1D_hsstx_tap_sign_app           0000000a    0x81802478:
1E_hsstx_ext_addr_data          00000001
0x8180247c: 1F_hsstx_ext_addr_addr          00000000    0x81802480:
20_hsstx_pat_buf_bytes_1_0      00000000
0x81802484: 21_hsstx_pat_buf_bytes_3_2      00000000    0x81802488:
22_hsstx_pat_buf_bytes_5_4      00000000
0x8180248c: 23_hsstx_pat_buf_bytes_7_6      00000000    0x8180249c:
27_hsstx_8023az_ctl             00000000
0x818024a0: 28_hsstx_dcc_ctl                000060c0    0x818024a4:
29_hsstx_dcc_ovrd               00000000
0x818024a8: 2A_hsstx_dcc_app                0000008c    0x818024ac:
2B_hsstx_dcc_timeout            0000ffff
0x818024c0: 30_hsstx_tap_sign_ovrd          00000000    0x818024c8:
32_hsstx_seg_4x_ovrd            00000000
0x818024cc: 33_hsstx_seg_2x_ovrd            00000000    0x818024d0:
```

```
34_hsstx_seg_1x_ovrd            00000000
0x818024d8: 36_hsstx_tap_seg_4x_term_ovrd   00000000    0x818024dc:
37_hsstx_tap_seg_2x_term_ovrd   00000000
0x818024e0: 38_hsstx_tap_seg_1x_term_ovrd   00000000    0x818024ec:
3B_hsstx_mac_test_ctl5          00000000
0x818024f0: 3C_hsstx_mac_test_ctl4          00000000    0x818024f4:
3D_hsstx_mac_test_ctl3          00000000
0x818024f8: 3E_hsstx_mac_test_ctl2          00000000    0x818024fc:
3F_hsstx_mac_test_ctl1          000000c6

HSS RX registers
================
0x81802600: 00_hssrx_cfg_mode_PHY           00009e78    0x81802604:
01_hssrx_test_ctl               00000000
0x81802608: 02_hssrx_phs_rot_ctl            0000cb80    0x8180260c:
03_hssrx_phs_rot_ofs_ctl        00004610
0x81802610: 04_hssrx_phs_rot_posn1          00002a29    0x81802614:
05_hssrx_phs_rot_posn2          00000015
0x81802618: 06_hssrx_phs_rot_sta_ofs1       00000001    0x8180261c:
07_hssrx_phs_rot_sta_ofs2       00000000
0x81802620: 08_hssrx_dfe_ctl_PHY            00002002    0x81802624:
09_hssrx_dfe_smpl_snap1         00000000
0x81802628: 0A_hssrx_dfe_smpl_snap2         00008000    0x8180262c:
0B_hssrx_vga_ctl1               000041ff
0x81802630: 0C_hssrx_vga_ctl2               00007aa0    0x81802634:
0D_hssrx_vga_ctl3               000009e4
0x81802638: 0E_hssrx_pwr_mgmnt_ctl          0000001f    0x8180263c:
0F_hssrx_iqamp_ctl1             0000001b
0x81802640: 10_hssrx_iqamp_ctl2             00000006    0x81802644:
11_hssrx_dacap_dacan_sel        00000003
0x81802648: 12_hssrx_dacap_dacan            000000ff    0x8180264c:
13_hssrx_daca_min               00000000
0x81802650: 14_hssrx_adac_ctl               00000000    0x81802654:
15_hssrx_ac_cp_ctl              000031c3
0x81802658: 16_hssrx_ac_cp_val              0000804d    0x8180265c:
17_hssrx_dfe_h1h2h3_lcl_off_ch  00000014
0x81802660: 18_hssrx_dfe_h1h2h3_lcl_off_val 00000000    0x81802664:
19_hssrx_peaked_intg            000000ff
0x81802668: 1A_hssrx_cdr_analog_sw          0000ce00    0x8180266c:
1B_hssrx_peaking_amp_init_c_PHY 00000000
0x81802670: 1C_hssrx_dac_dpc                00000040    0x81802674:
1D_hssrx_ddc                    00000000
0x81802678: 1E_hssrx_int_stat_PHY           00000c0f    0x8180267c:
1F_hssrx_dfe_func_ctl1_PHY      0000ffff
0x81802680: 20_hssrx_dfe_func_ctl2_INV      00007ebf    0x81802684:
21_hssrx_ofs_ch_dcc_qcc_idx     00002000
0x81802688: 22_hssrx_dfe_ofs_val            0000017f    0x8180268c:
23_hssrx_h_coeff_bist           00000401
0x81802690: 24_hssrx_ac_cap_bist            00000000    0x81802694:
25_hssrx_max_gain_path_idx_res  00007800
0x81802698: 26_hssrx_loff_ctl               00000040    0x8180269c:
27_hssrx_sigdet_ctl             00004580
0x818026a0: 28_hssrx_ana_ctl_sw             00000000    0x818026a4:
29_hssrx_intg_dac_ofs           0000dddd
```

```
0x818026a8: 2A_hssrx_eye_ctl                00000000    0x818026ac:
2B_hssrx_eye_met                00000004
0x818026b0: 2C_hssrx_eye_met_err_cnt        00000000    0x818026b4:
2D_hssrx_eye_met_pdf_eyec       00000000
0x818026b8: 2E_hssrx_eye_met_pat_len        0000007f    0x818026bc:
2F_hssrx_dfe_func_ctl3          0000dfff
0x818026c0: 30_hssrx_dfe_tap_ctl_idx_ptr    00000008    0x818026c4:
31_hssrx_dfe_tap                00003030
0x818026c8: 32_hssrx_lte_ctl_TUNE           00001601    0x818026e4:
39_hssrx_int_stat2              0000c1ff
0x818026e8: 3A_hssrx_ac_cpl_cur_src_adj     00000040    0x818026ec:
3B_hssrx_dcd_ctl                00007c49
0x818026f0: 3C_hssrx_dcc_ctl                00000d81    0x818026f4:
3D_hssrx_qcc_ctl                00006988
0x818026f8: 3E_hssrx_mac_test_ctl2          00000000    0x818026fc:
3F_hssrx_mac_test_ctl1          00000000
0x81802648: 12_hssrx_dacap_dacan[02]                 00ff 00ff
0x81802660: 18_hssrx_dfe_h1h2h3_lcl_off_va[00]       0000 0000   0000
0000   0000 0000   0000 0000
0x81802660: 18_hssrx_dfe_h1h2h3_lcl_off_va[08]       0000 0000   0000
0000   0000 0000   0000 0000
0x81802660: 18_hssrx_dfe_h1h2h3_lcl_off_va[16]       0000 0000   0000
0000   0000
0x81802688: 22_hssrx_dfe_ofs_val[00][00]             017f 7f00   7d7d
0000   797b 0000
0x81802688: 22_hssrx_dfe_ofs_val[03][00]             7b7f 0000   7d7b
0000   7d7b 0000
0x81802688: 22_hssrx_dfe_ofs_val[06][00]             0309 7f7f   7a7b
0000   7e0c 007f
0x81802688: 22_hssrx_dfe_ofs_val[09][00]             797d 0000   7d00
0000   037f 0000
0x81802688: 22_hssrx_dfe_ofs_val[12][00]             7f7b 0000   7d7d
0001   797b 0000
0x81802688: 22_hssrx_dfe_ofs_val[15][00]             017b 0000   0902
7f00   7f00 0000
0x81802688: 22_hssrx_dfe_ofs_val[18][00]             7b7d 0000   047b
0000   000a 007f
0x81802688: 22_hssrx_dfe_ofs_val[21][00]             000a 007f   000a
007f   000a 007f
0x81802688: 22_hssrx_dfe_ofs_val[24][00]             097a 0000   077d
7f00   0179 0000
0x81802694: 25_hssrx_max_gain_path_idx_res[00]       005b 0849   1100
189f   20cf 289f   3084 3800
0x81802694: 25_hssrx_max_gain_path_idx_res[08]       40af 4885   5074
5801   6040 6800   70fe 7800
0x818026c4: 31_hssrx_dfe_tap[00]                     fffe 8181   0000
0000   0030 0030   3030 3030
0x818026c4: 31_hssrx_dfe_tap[08]                     3030 3030   3030
0000
0x818026e8: 3A_hssrx_ac_cpl_cur_src_adj[00]          0040 0040   0040
0040
0x818026ec: 3B_hssrx_dcd_ctl[00]                     7c49 5c00   7c43
5c00   7c00
0x818026f0: 3C_hssrx_dcc_ctl[00]                     0d81 0d81   0d41
```

```
0d81
0x818026f4: 3D_hssrx_qcc_ctl[00]                    6900 6988

xfipcs, fec, aec, & aet registers
=================================
0x81c30400: xfipcs_reg              [00] 00002040 00000080 00000000
00000000    00000001 00000008 00000000 00000000
0x81c30420: xfipcs_reg              [08] 00008c01 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c30440: xfipcs_reg              [16] 00000000 00000000 00000000
00000000    00000040 00000000 00000000 00000000
0x81c30460: xfipcs_reg              [24] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c30480: xfipcs_reg              [32] 00000004 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c30620: fec_32g_128g_reg        [08] 00000000 00000000 00000000
00000000    00000000 00000000 00000000
0x81c30648: fec_32g_128g_reg        [18] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c30a00: aec_reg                 [00] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c30c00: aet_reg                 [00] 00000000 00000000 00000000
00000000    00000000

bbc registers
=============
0x81c31800: bbc_trc                 0    0    0    0    0    0    0
0
0x81c31840: bbc_trc                 0    0    0    0    0    0    0
0
0x81c31880: bbc_trc                 0    0    0    0    0    0    0
0
0x81c318c0: bbc_trc                 0    0    0    0    0    0    0
0
0x81c31900: bbc_trc                 0    0    0    0    0    0    0
0
0x81c31804: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c31844: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c31884: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c318c4: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c31904: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c31a00: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c31a20: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c31a40: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c31a60: bbc_rcc                 0    0    0    0    0    0    0
0
```

```
0x81c31a80: bbc_rcc                0    0    0    0    0    0    0
0
0x81c31c00: bbc_rqc                0    0    0    0    0    0    0
0
0x81c31c20: bbc_rqc                0    0    0    0    0    0    0
0
0x81c31c40: bbc_rqc                0    0    0    0    0    0    0
0
0x81c31c60: bbc_rqc                0    0    0    0    0    0    0
0
0x81c31c80: bbc_rqc                0    0    0    0    0    0    0
0
0x81c31d00: bbc_fbpc               00000000    0x81c31d04: bbc_csc
00000000
0x81c31d08: bbc_rcc_inc            00000000    0x81c31d0c:
bbc_rqc_inc             00000000
0x81c31d10: bbc_fbpc_inc           00000000    0x81c31d14:
bbc_tmc_inc             00000000
0x81c31d18: bbc_threshold          00080100    0x81c31d1c:
bbc_counter_clr         00000000
0x81c31d20: bbc_debug_en           00000000    0x81c31d24: bbc_ctrl
00200020
0x81c31d28: bbc_rqc_rcc_thresh     00000055    0x81c31d34:
bbc_bb_sc_n             00000000
0x81c31d38: bbc_crd_reco_debug     00000000    0x81c31d3c:
bbc_crd_reco_debug_data 00000000
0x81c31d40: bbc_multi_frm_loss_cnt  00000000    0x81c31d44:
bbc_multi_rdy_loss_cnt  00000000
0x81c31d48: bbc_1frm_loss_recov_cnt 00000000    0x81c31d4c:
bbc_1rdy_loss_recov_cnt 00000000
0x81c31d58: bbc_int_status         00000000    0x81c31d5c:
bbc_int_set             00000000
0x81c31d60: bbc_int_first          00000000    0x81c31d64:
bbc_frm_rdy_rx_err_addr 00000000
0x81c31d68: bbc_frm_rdy_tx_err_addr 00000000    0x81c31d6c:
bbc_trc_mbc_err_addr    00000000
0x81c31d70: bbc_frm_rdy_rx_dbl_ecc  00000000    0x81c31d74:
bbc_frm_rdy_tx_dbl_ecc  00000000
0x81c31d78: bbc_trc_mbc_dbl_ecc    00000000
0x81c31d7c: bbc_fsm_status         00001011    0x81c31d80:
bbc_force_err           00000000
0x81c31d84: bbc_crdt_avail0        ffffffff    0x81c31d88:
bbc_crdt_avail1         000000ff
0x81c31d8c: bbc_scratch            00000000

FPS registers
=============
0x81c30004: fps_er_enc_in          00000000    0x81c30008:
fps_er_crc              00000000
0x81c3000c: fps_er_trunc           00000000    0x81c30010:
fps_er_toolong          00000000
0x81c30014: fps_er_bad_eof         00000000    0x81c30018:
fps_er_enc_out          00000000
0x81c3001c: fps_er_bad_os          00000000    0x81c30020:
```

```
fps_er_flush            00000000
0x81c30024: fps_er_ifg              00000000    0x81c30038:
fps_er_crc_good_eof     00000000
0x81c3003c: fps_inv_arb             00000000    0x81c30040:
fps_slow_sts_status     00000000
0x81c30044: fps_tx_frm_cnt          00000000    0x81c30048:
fps_rx_frm_cnt          00000000
0x81c30050: fps_tx_word_cnt_hi      00000000    0x81c3004c:
fps_tx_word_cnt_lo      00000000
0x81c30058: fps_rx_word_cnt_hi      00000000    0x81c30054:
fps_rx_word_cnt_lo      00000000

BAL registers
=============
0x81c37000: bal_desired_buf         00000000    0x81c37004:
bal_alloc_buf           00003fff
0x81c37008: bal_busy_buf            00003fff    0x81c3700c:
bal_usable_buf          00000000
0x81c37010: bal_max_bor_buf         00000000
0x81c37014: bal_busy_buf_thresh     00000002

TXQ registers
=============
0x81c33004: txq_phys_port_ctl       00460000
0x81c33050: txq_link_skew           00000000
0x81c33068: txq_cr_lk_dttn_intr_sts [00] 00000000 00000000
0x81c33070: txq_cr_lk_dttn_intr_en  [00] 00000000 00000000
0x81c33024: txq_disc_frm_trap_cnt   00000014

FDS registers
=============
0x81c34000: fds_rxf_ctl             00000002    0x81c34004:
fds_rxf_wait_thresh     00000909
0x81c34018: fds_rxf_first_error     00000000    0x81c3401c:
fds_rxf_first_error_info00000000
0x81c34020: fds_rxf_inout_pkt_cnt   00000000
0x81c34008: fds_rxf_err_int_status  00000000    0x81c34024:
fds_rxf_fifo_status     00888888
0x81c35000: fds_txf_ctl             0000003a    0x81c35004:
fds_txf_wait_ifg_thresh 00a00106
0x81c35008: fds_txf_err_int_status  00000000    0x81c35024:
fds_txf_fifo_status     00088888
0x81c3502c: fds_txf_bbc_scs         00000000

Logical TXQ registers
=====================
0x81c33000: txq_log_port_ctl        00000002    0x81c33008:
txq_port_status         00000000
0x81c3300c: txq_todo_flags          [00] 00000000 00000000
0x81c33014: txq_spd_match_desc      [00] 00000000 00000000 00000000
00000000
0x81c33024: txq_spd_match_desc      [04] 00000014
0x81c33028: txq_vc_weight           [00] 01010101 01010101 01010101
01010101
```

```
0x81c33038: txq_vc_weight           [04] 01010101 01010101 01010101
01010101
0x81c33048: txq_vc_weight           [08] 01010101 00010101
0x81c33054: txq_cong_dttn_ctrl      00000000
0x81c33058: txq_cong_dttn_intr_sts  [00] 00000000 00000000
0x81c33060: txq_cong_dttn_intr_en   [00] 00000000 00000000
0x81c33078: txq_bw_limit_en_reg     [00] 00000000 00000000
0x81c33080: txq_bw_gua_en_reg       [00] 00000000 00000000
0x81c33088: txq_vc_group            [00] 03030300 03030303 03030303
03030303
0x81c33098: txq_vc_group            [04] 03030303 03030303 03030303
03030303
0x81c330a8: txq_vc_group            [08] 03030303 03030303 00000000
00000000
0x81c330b0: txq_bw_thresh_group     [00] 00000000 00000000 00000000
00000000
0x81c330c0: txq_bw_thresh_group     [04] 00000000 00000000 00000000
00000000
0x81c330d0: txq_bw_thresh_group     [08] 00000000 00000000 00000000
00000000
0x81c330e0: txq_bw_thresh_group     [12] 00000000 00000000 00000000
00000000
0x81c330f0: txq_bw_thresh_group     [16] 00000000 00000000 00000000
00000000
0x81c33100: txq_bw_thresh_group     [20] 00000000 00000000 00000000
00000000
0x81c33110: txq_bw_thresh_group     [24] 00000000 00000000 00000000
00000000
0x81c33120: txq_bw_thresh_group     [28] 00000000 00000000 00000000
00000000
0x81c33130: txq_bw_thresh_group     [32] 00000000 00000000 00000000
00000000
0x81c33140: txq_bw_thresh_group     [36] 00000000 00000000 00000000
00000000

txq Congestion detection Statistics RAM
=======================================
0x810903c0: vc[0]       00000000        0x810903c4: vc[1]
00000000
0x810903c8: vc[2]       00000000        0x810903cc: vc[3]
00000000
0x810903d0: vc[4]       00000000        0x810903d4: vc[5]
00000000
0x810903d8: vc[6]       00000000        0x810903dc: vc[7]
00000000
0x810903e0: vc[8]       00000000        0x810903e4: vc[9]
00000000
0x810903e8: vc[10]      00000000        0x810903ec: vc[11]
00000000
0x810903f0: vc[12]      00000000        0x810903f4: vc[13]
00000000
0x810903f8: vc[14]      00000000        0x810903fc: vc[15]
00000000
0x81090400: vc[16]      00000000        0x81090404: vc[17]
```

```
00000000
0x81090408: vc[18]      00000000        0x8109040c: vc[19]
00000000
0x81090410: vc[20]      00000000        0x81090414: vc[21]
00000000
0x81090418: vc[22]      00000000        0x8109041c: vc[23]
00000000
0x81090420: vc[24]      00000000        0x81090424: vc[25]
00000000
0x81090428: vc[26]      00000000        0x8109042c: vc[27]
00000000
0x81090430: vc[28]      00000000        0x81090434: vc[29]
00000000
0x81090438: vc[30]      00000000        0x8109043c: vc[31]
00000000
0x81090440: vc[32]      00000000        0x81090444: vc[33]
00000000
0x81090448: vc[34]      00000000        0x8109044c: vc[35]
00000000
0x81090450: vc[36]      00000000        0x81090454: vc[37]
00000000
0x81090458: vc[38]      00000000        0x8109045c: vc[39]
00000000


Logical STS registers
=====================
0x81584504: sts_ftb_type1_miss      00000000
0x81584508: sts_ftb_type2_miss      00000000
0x8158450c: sts_ftb_type6_miss      00000000
0x81584510: sts_hard_zoning_miss    00000000
0x81584514: sts_lun_zoning_miss     00000000
0x8158451c: sts_unroutable          00000000
0x81581534: sts_rte_cl2             00000000    0x81581538:
sts_rte_cl3             00000000        0x8158153c: sts_rte_link_ctl
00000000        0x81584528: sts_tx_timeout          00000000

Logical STS filter registers
=====================
0x81584480: sts_flt_trig            [00] 00000000 00000000 00000000
00000000
0x81584490: sts_flt_trig            [04] 00000000 00000000 00000000
00000000
0x815844a0: sts_flt_trig            [08] 00000000 00000000 00000000
00000000
0x815844b0: sts_flt_trig            [12] 00000000 00000000 00000000
00000000
0x815844c0: sts_flt_trig            [16] 00000000 00000000 00000000
00000000
0x815844d0: sts_flt_trig            [20] 00000000 00000000 00000000
00000000
0x815844e0: sts_flt_trig            [24] 00000000 00000000 00000000
00000000
0x815844f0: sts_flt_trig            [28] 00000000 00000000 00000000
```

```
00000000
0x81584500: sts_flt_trig            [32]

Logical STS discard registers
=====================
0x815818b8: disc_mcast_wka          00000000    0x815818bc:
disc_inv_did            00000000
0x815818c0: disc_cl1_cl4            00000000    0x815818c4:
disc_sid_chk_fail       00000000
0x815818c8: disc_inv_dom_egid_txpt  00000000    0x815818cc:
disc_vft_hop_cnt_1      00000000
0x815818d0: disc_classf             00000000    0x815818d4:
disc_fcp_cdb_inv        00000000
0x815818d8: disc_vfid_trap_enabled  00000000    0x815818dc:
disc_vfid_hdr_chk_fail  00000000
0x815818e0: disc_shim_cksum_fail    00000000    0x815818e4:
disc_fed_edit_cmd_err   00000000
0x815818e8: disc_ftb_vm_mode        00000000    0x815818ec:
disc_ftb_agn_t2_miss    00000000
0x815818f0: disc_ecb_reserved       00000000    0x815818f4:
disc_ecb_de_pad_err     00000000
0x815818f8: disc_ecb_de_tag_err     00000000    0x815818fc:
disc_ecb_de_seq_err     00000000
0x81581900: disc_ecb_err            00000000    0x81581904:
disc_ftb_type4_match    00000000
0x81581908: disc_fcp_rsp_ftb_type4  00000000    0x8158190c:
disc_ftb_type5_match    00000000
0x81581910: disc_ftb_type3_match    00000000    0x81581914:
disc_els_ftb_type3      00000000
0x81581918: disc_ftb_type1_match    00000000    0x8158191c:
disc_els_rsp_ex_port    00000000
0x81581920: disc_inv_drp_dps        00000000    0x81581924:
disc_did_lookup_miss    00000000
0x81581928: disc_ftb_type2_match    00000000    0x8158192c:
disc_trpd_plogi_pdisc   00000000
0x81581930: disc_type2_lookup_miss  00000000    0x81581934:
disc_ftb_type6_match    00000000
0x81581938: disc_els_rep_ex_port    00000000    0x8158193c:
disc_els_sid_lkup_bit1  00000000
0x81581940: disc_els_sid_lkup_bit0  00000000    0x81581944:
disc_bls_frm_trap_bit1  00000000
0x81581948: disc_ftb_token_err      00000000    0x8158194c:
disc_asic_internal_err  00000000
0x81581950: disc_hard_zone_miss     00000000    0x81581954:
disc_lun_zone_miss      00000000
0x81581958: disc_flt_frame_disc     00000000    0x8158195c:
disc_flt_parity_err     00000000
0x81581960: disc_frame_marked_du    00000000    0x81581964:
disc_frame_marked_to    00000000
0x81581968: disc_lkup_rte_prty_err  00000000


portstatsshow 61
stat_wtx                0                   4-byte words transmitted
```

```
stat_wrx                0                   4-byte words received
stat_ftx                0                   Frames transmitted
stat_frx                0                   Frames received
stat_c2_frx             0                   Class 2 frames received
stat_c3_frx             0                   Class 3 frames received
stat_lc_rx              0                   Link control frames
received
stat_mc_rx              0                   Multicast frames
received
stat_mc_to              0                   Multicast timeouts
stat_mc_tx              0                   Multicast frames
transmitted
tim_txcrd_z             0                   Time TX Credit Zero
(2.5Us ticks)
tim_txcrd_z_vc  0- 3:  0           0           0           0
tim_txcrd_z_vc  4- 7:  0           0           0           0
tim_txcrd_z_vc  8-11:  0           0           0           0
tim_txcrd_z_vc 12-15:  0           0           0           0
lat_tot_pkt_vc  0- 3:  1           1           1           1
lat_tot_pkt_vc  4- 7:  1           1           1           1
lat_tot_pkt_vc  8-11:  1           1           1           1
lat_tot_pkt_vc 12-15:  1           1           1           1
lat_hi_time_vc  0- 3:  0           0           0           0
lat_hi_time_vc  4- 7:  0           0           0           0
lat_hi_time_vc  8-11:  0           0           0           0
lat_hi_time_vc 12-15:  0           0           0           0
lat_lo_time_vc  0- 3:  1           1           1           1
lat_lo_time_vc  4- 7:  1           1           1           1
lat_lo_time_vc  8-11:  1           1           1           1
lat_lo_time_vc 12-15:  1           1           1           1
max_latency_vc  0- 3:  1           1           1           1
max_latency_vc  4- 7:  1           1           1           1
max_latency_vc  8-11:  1           1           1           1
max_latency_vc 12-15:  1           1           1           1
latency_dma_ts          09-09-2024 UTC Mon 08:47:26             TXQ
Latency DMA TimeStamp
fec_cor_detected        0                   Count of blocks that
were corrected by FEC
fec_uncor_detected      0                   Count of blocks that
were left uncorrected by FEC
er_enc_in               0                   Encoding errors inside
of frames
er_crc                  0                   Frames with CRC errors
er_trunc                0                   Frames shorter than
minimum
er_toolong              0                   Frames longer than
maximum
er_bad_eof              0                   Frames with bad end-of-
frame
er_enc_out              0                   Encoding error outside
of frames
er_bad_os               0                   Invalid ordered set
er_pcs_blk              0                   PCS block errors
er_rx_c3_timeout        0                   Class 3 receive frames
```

```
discarded due to timeout
er_tx_c3_timeout        0                   Class 3 transmit frames
discarded due to timeout
er_unroutable           0                   Frames that are
unroutable
er_unreachable          0                   Frame with unreachable
destination
er_other_discard        0                   Other discards
er_type1_miss           0                   frames with FTB type 1
miss
er_type2_miss           0                   frames with FTB type 2
miss
er_type6_miss           0                   frames with FTB type 6
miss
er_zone_miss            0                   frames with hard zoning
miss
er_lun_zone_miss        0                   frames with LUN zoning
miss
er_crc_good_eof         0                   Crc error with good eof
er_inv_arb              0                   Invalid ARB
er_single_credit_loss   0                   Single vcrdy/frame loss
on link
er_multi_credit_loss    0                   Multiple vcrdy/frame
loss on link
other_credit_loss       0                   Link timeout/complete
credit loss
phy_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
phy_port stats clear
lgc_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
lgc_port stats clear
fec_corrected_rate      0                   FEC Corrected blocks per
second

portstats64show 61
stat64_wtx      0           top_int : 4-byte words transmitted
                0           bottom_int : 4-byte words transmitted
stat64_wrx      0           top_int : 4-byte words received
                0           bottom_int : 4-byte words received
stat64_ftx      0           top_int : Frames transmitted
                0           bottom_int : Frames transmitted
stat64_frx      0           top_int : Frames received
                0           bottom_int : Frames received
stat64_c2_frx   0           top_int : Class 2 frames received
                0           bottom_int : Class 2 frames received
stat64_c3_frx   0           top_int : Class 3 frames received
                0           bottom_int : Class 3 frames received
stat64_lc_rx    0           top_int : Link control frames received
                0           bottom_int : Link control frames
received
stat64_mc_rx    0           top_int : Multicast frames received
                0           bottom_int : Multicast frames received
stat64_mc_to    0           top_int : Multicast timeouts
                0           bottom_int : Multicast timeouts
stat64_mc_tx    0           top_int : Multicast frames transmitted
```

```
                0           bottom_int : Multicast frames
transmitted
tim64_rdy_pri   0           top_int : Time R_RDY high priority
                0           bottom_int : Time R_RDY high priority
tim64_txcrd_z   0           top_int : Time BB_credit zero
                0           bottom_int : Time BB_credit zero
er64_enc_in     0           top_int : Encoding errors inside of
frames
                0           bottom_int : Encoding errors inside of
frames
er64_crc        0           top_int : Frames with CRC errors
                0           bottom_int : Frames with CRC errors
er64_trunc      0           top_int : Frames shorter than minimum
                0           bottom_int : Frames shorter than minimum
er64_toolong    0           top_int : Frames longer than maximum
                0           bottom_int : Frames longer than maximum
er64_bad_eof    0           top_int : Frames with bad end-of-frame
                0           bottom_int : Frames with bad end-of-
frame
er64_enc_out    0           top_int : Encoding error outside of
frames
                0           bottom_int : Encoding error outside of
frames
er64_disc_c3    0           top_int : Class 3 frames discarded
                0           bottom_int : Class 3 frames discarded
er64_pcs_blk    0           top_int : PCS block errors
                0           bottom_int : PCS block errors
stat64_rateTxFrame      0           Tx frame rate (fr/sec)
stat64_rateRxFrame      0           Rx frame rate (fr/sec)
stat64_rateTxPeakFrame  0           Tx peak frame rate (fr/sec)
stat64_rateRxPeakFrame  0           Rx peak frame rate (fr/sec)
stat64_rateTxWord       0           Tx Word rate (words/sec)
stat64_rateRxWord       0           Rx Word rate (words/sec)
stat64_rateTxPeakWord   0           Tx peak Word rate (words/sec)
stat64_rateRxPeakWord   0           Rx peak Word rate (words/sec)
stat64_PRJTFrames       0           top_int : Number of PRJT frames
returned to this port
                        0           bottom_int : Number of PRJT
frames returned to this port
stat64_PBSYFrames       0           top_int : Number of PBSY frames
returned to this port
                        0           bottom_int : Number of PBSY
frames returned to this port
stat64_inputBuffersFull 0           top_int : Number of occurrences
when all input buffers full
                        0           bottom_int : Number of
occurrences when all input buffers full
stat64_rxClass1Frames   0           top_int : Number of class 1
frames received
                        0           bottom_int : Number of class 1
frames received
stat64_aveTxFrameSize   0           Average Tx Frame size
stat64_aveRxFrameSize   0           Average Rx Frame size
Lr_in           0           top_int
```

```
                0           bottom_int
Ols_in          0           top_int
                0           bottom_int
Lr_out          0           top_int
                0           bottom_int
Ols_out         0           top_int
                0           bottom_int
Link_failure    0           top_int
                0           bottom_int
Invalid_CRC     0           top_int
                0           bottom_int
Invalid_word    0           top_int
                0           bottom_int
Protocol_err    0           top_int
                0           bottom_int
Loss_of_sig     0           top_int
                0           bottom_int
Loss_of_sync    0           top_int
                0           bottom_int
er_bad_os       0           top_int : Invalid ordered set
                0           bottom_int: Invalid ordered set


portrouteshow 61
port address ID: 0x013d00
external unicast routing table:
   0: Embedded
 255: Embedded
internal unicast routing table:
   0: Embedded

portcamshow 61
-------------------------------------------------
Port  SID used  DID used  SID entries  DID entries
61     0         0         000000       000000
-------------------------------------------------

ptbufshow, ptcreditshow, ptdatashow, ptstatsshow 61
S:
S:VF Enable:            1
S:
S:C4 Global Variable:
S:-------------------------------------------------------------------
---------
S:trace_stop:           0
S:
S:C4 Phy Data Pointers: c4_phyp = 0xb6abd140
S:-------------------------------------------------------------------
---------
S:tnodep                        0xbb831d20      pt
        0x43028006
S:proto_phyp            0xb8806d80      phy_cfg
0xb6abe180
S:c4_chp                        0x97e28000      c4_lgcp
```

```
0x97f60000
S:c4_phy_regp           0x81c30000      proc_dir
0xb85146e0
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4345678      num_port_timer          12
S:prev_if_id            0x43020006      S:ftx                   0
        tov                     0
S:initialized           0               port_idx                6
S:ui_idx                        61              slot_no
        0
S:blade_idx             6               sw_usr_ports            400
S:unused                        0               intr_debounced
        0
S:aec_status            0x0             reason_code
        0
S:debug                 0x00000004      debug_trc_line          0
S:rxbuf_list_head       0xffffffff      rxbuf_list_tail
0xffffffff
S:isAePort                      0               port_misc_data
                0
S:num_fault1_rx_disc    0               num_fault2_rx_disc      0
S:p_lli_cause0          0               p_sig_regained          0
S:p_sync_regained               0               enc_out
        0x0
S:cached_fps_status     0               cached_sts_status       0
S:cached_er_crc_good_eof        0
S:cached_er_bad_os      0               cached_er_too_long      0
S:cached_er_trunc       0
cached_tot_er_crc_good_eof      0
S:num_pt_excess_intr    0               num_no_fid              0
S:num_fault1_cnt                0               num_fault2_cnt
        0
S:num_fault_lip         0               num_fault_lli           0
S:num_fault_rx_fifo     0               num_fault_hss           0
S:num_fault_bwait               0               lli_intr_prim
        0
S:num_sw_link_to                0
be_link_err_mon_count           0
S:ecb_enc_enabled               0               ecb_comp_enabled
                0
S:ecb_rsv_enc           0               ecb_rsv_comp            0
S:ecb_enc_bm            0x0             ecb_key_index
0xffffffff
S:fab_idx               4
S:num_be_lto            0               lto_count_reset_intvl
        0
S:lr_count_reset_intvl          0               num_be_lr
        0
S:num_fault_qsfp                0               check_lto
        0
S:credit_loaded         0               num_credit_overrun
        0
S:fec_enabled           0x0             fec_los_to_flag         0x0
```

```
S:phy_stats_clear_ts            1725611419      pcs_err_online
        0
S:pcs_err_light_det             0               pcs_err_ignore
        0
S:pcs_blk_err           0               pcs_hiber               0
S:phy_port_status               0               ecb_enc_lr_count
                0
S:dport_mode            0               avoid_lto_det           0
S:sn_debounced          0x0             sn_started_kr_reqd      0
S:major_timer_started   0x0             ready_bm                0x0
S:parln_1_bm            0x0             parln_0_bm              0x0
S:be_los_of_sync_event_intvl            0
be_los_of_sync_event            0
S:errataPtenable_cntr           0               errataPoll_cntr
        0
S:jda_rx_sig_loss_det           0               jda_rx_sig_loss_cnt
                0
S:encrypt_blk_error             0
S:
S:      c4_trunk
S:======================================
S:mark_ts               0x0             deskew                  0x0
S:master_phyp           0x0
S:
S:adelay[00]: 0x00000000 0x00000000 0x00000000 0x00000000
S:adelay[04]: 0x00000000 0x00000000 0x00000000 0x00000000
S:
S:      c4_buf
S:======================================
S:tx_csc                        0               rx_csc
        0
S:ld_vc_credits         0               tx_flag                 0x0
S:alloc_buffers         0               req_buffers             0
S:est_buffers           20              ld_use_est              0
S:bb_sc_n                       0               rx_bb_sc_n
        0
S:data_cr                       5               nondata_cr
        6
S:cr_enable             0
S:ld_nondata_cr         6               tnodep
0xbb831e00
S:tx_credits[0] 0    0    0    0    0    0    0    0
S:tx_credits[8] 0    0    0    0    0    0    0    0
S:tx_credits[16]        0    0    0    0    0    0    0    0
S:tx_credits[24]        0    0    0    0    0    0    0    0
S:tx_credits[32]        0    0    0    0    0    0    0    0
S:rx_credits[0] 0    0    0    0    0    0    0    0
S:rx_credits[8] 0    0    0    0    0    0    0    0
S:rx_credits[16]        0    0    0    0    0    0    0    0
S:rx_credits[24]        0    0    0    0    0    0    0    0
S:rx_credits[32]        0    0    0    0    0    0    0    0
S:tx_mbc[0]     0    0    0    0    0    0    0    0
S:tx_mbc[8]     0    0    0    0    0    0    0    0
S:tx_mbc[16]    0    0    0    0    0    0    0    0
```

```
S:tx_mbc[24]    0    0    0    0    0    0    0    0
S:tx_mbc[32]    0    0    0    0    0    0    0    0
S:rx_mbc[0]     0    0    0    0    0    0    0    0
S:rx_mbc[8]     0    0    0    0    0    0    0    0
S:rx_mbc[16]    0    0    0    0    0    0    0    0
S:rx_mbc[24]    0    0    0    0    0    0    0    0
S:rx_mbc[32]    0    0    0    0    0    0    0    0
S:
S:C4 Chip Variables: c4_phyp->c4_chp = 0x97e28000
S:-----------------------------------------------------------------
---------
S:version = 2.1
S:magic_id              0xc4234567      init_state              0x8
S:reset_reg_mem         0x1
S:ch_int0_en_bm         0x0             intr0_cause             0x0
S:ch_int1_en_bm         0x0             intr1_cause             0x0
S:ch_int2_en_bm         0x0             intr2_cause             0x0
S:ch                    0x43010080      ch_cfg
0xb7013ba0
S:raslog_hndl.hndl      0x0             obj_halted              0x0
S:c4_chip_regp          0x80000000      c4_fpg_regp
0x81800000
S:num_chip_timer        0x5
S:hi_task_bm            0x0             lo_task_bm              0x0
S:c4_deferq.q_head      0x0             c4_deferq.q_tail        0x0
S:c4_tmrq.q_head        0x0             c4_tmrq.q_tail          0x0
slot_no                 0
S:chip_inst             0               chip_idx                0
S:pll_initialized               1
pll_serdes_initialized  1
S:init_tries            0               init_ptEnableBM
0xba01b488
S:tick_polling          0xb980c9c0      sec_polling
0xb980c960
S:bb_fid                        129
S:ecb_key_bm[0]         0x0             ecb_key_bm[1]           0x0
S:ecb_key_bm[2]         0x0             ecb_key_bm[3]           0x0
S:is_chip_enc_enabled                   0
is_chip_comp_enabled    0x0
S:ftb_rsrcp->ftb_flags  0x0             act_rsrcp->act_flag     0x1
S:lue_rsrcp->lue_flags[0]       0x0             lue_rsrcp-
>lue_flags[1]   0x0
S:c4_phyp[00]: 0xb6ab0000 0xb6ab2080 0xb6ab4100 0xb6ab6180
S:c4_phyp[04]: 0xb6ab9040 0xb6abb0c0 0xb6abd140 0xb6ac0000
S:c4_phyp[08]: 0xb6ac2080 0xb6ac4100 0xb6ac6180 0xb6ac9040
S:c4_phyp[12]: 0xb6acb0c0 0xb6acd140 0xb6ad0000 0xb6ad2080
S:c4_phyp[16]: 0xb6ad4100 0xb6ad6180 0xb6ad9040 0xb6adb0c0
S:c4_phyp[20]: 0xb6add140 0xb6ae0000 0xb6ae2080 0xb6ae4100
S:c4_phyp[24]: 0xb6ae6180 0xb6ae9040 0xb6aeb0c0 0xb6aed140
S:c4_phyp[28]: 0xb6af0000 0xb6af2080 0xb6af4100 0xb6af6180
S:c4_phyp[32]: 0xb6af9040 0xb6afb0c0 0xb6afd140 0xb6b00000
S:c4_phyp[36]: 0xb6b02080 0xb6b04100 0xb6b06180 0xb6b09040
S:c4_phyp[40]: 0xb6b0b0c0 0xb6b0d140 0xb6b10000 0xb6b12080
S:c4_phyp[44]: 0xb6b14100 0xb6b16180 0xb6b19040 0xb6b1b0c0
```

```
S:c4_phyp[48]: 0xb6b1d140 0xb6b20000 0xb6b22080 0xb6b24100
S:c4_phyp[52]: 0xb6b26180 0xb6b29040 0xb6b2b0c0 0xb6b2d140
S:c4_phyp[56]: 0xb6b30000 0xb6b32080 0xb6b34100 0xb6b36180
S:c4_phyp[60]: 0xb6b39040 0xb6b3b0c0 0xb6b3d140 0xb6b40000
S:c4_lgcp[00]: 0x97f48000 0x97f4c000 0x97f50000 0x97f54000
S:c4_lgcp[04]: 0x97f58000 0x97f5c000 0x97f60000 0x97f64000
S:c4_lgcp[08]: 0x97f68000 0x97f6c000 0x97f70000 0x97f74000
S:c4_lgcp[12]: 0x97f78000 0x97f7c000 0x97f80000 0x97f84000
S:c4_lgcp[16]: 0x97f88000 0x97f8c000 0x97f90000 0x97f94000
S:c4_lgcp[20]: 0x97f98000 0x97f9c000 0x97fa0000 0x97fa4000
S:c4_lgcp[24]: 0x97fa8000 0x97fac000 0x97fb0000 0x97fb4000
S:c4_lgcp[28]: 0x97fb8000 0x97fbc000 0x97fc0000 0x97fc4000
S:c4_lgcp[32]: 0x97fc8000 0x97fcc000 0x97fd0000 0x97fd4000
S:c4_lgcp[36]: 0x97fd8000 0x97fdc000 0x97fe0000 0x97fe4000
S:c4_lgcp[40]: 0x97fe8000 0x97fec000 0x97ff0000 0x97ff4000
S:c4_lgcp[44]: 0x97ff8000 0x97ffc000 0x8e000000 0x8e004000
S:c4_lgcp[48]: 0x8e008000 0x8e00c000 0x8e010000 0x8e014000
S:c4_lgcp[52]: 0x8e018000 0x8e01c000 0x8e020000 0x8e024000
S:c4_lgcp[56]: 0x8e028000 0x8e02c000 0x8e030000 0x8e034000
S:c4_lgcp[60]: 0x8e038000 0x8e03c000 0x8e040000 0x8e044000
S:chip_timers[00]: 0xb980c720 0xb980c780 0xb980c7e0 0xb980c840
S:chip_timers[04]: 0xb980c8a0 0xb980c900
S:disc_trap_enable_required     0x0             rxlp_disc_log_stop
        0x0
S:curr_rxlp_frm_cnt     0x0             curr_rxlp_disc_frm_cnt  0x0
S:sw_disc_frm_cnt       0x0             last_disc_frm_cnt       0x0
S:txq_nopop_pr_cnt      0x0             pollErrataDfe_ptBM
0xba01b4b0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][0]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][1]  0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][2]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][0] 0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][1]       0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][2] 0x0
S:
S:C4 Logical Port Variables
S:-----------------------------------------------------------------
---------
S:c4_lgc_regp           0x81c30000
S:c4_phyp:
S:      0xb6abd140      0x0             0x0             0x0

S:      0x0             0x0             0x0             0x0

S:master_phyp           0xb6abd140      if_id
0x43020006
S:min_phyp              0x0             max_phyp                0x0
S:num_phy_ports         1               lgc_num                 6
S:num_iu_to             0               sw_txq_bm
        0
S:port_fid              129             unused                  0
S:port_group            0               lgc_stats_clear_ts
                1725611419
S:domain_tbl_sel                0               area_tbl_sel
```

```
        0
S:egid_tbl_sel          0
S:serv_lo_bm            0x0
S:
S:Proto Phy Variables:
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4123456      asic_phyp
0xb6abd140
S:port_id                       0x43028006      phy_cfg
        0xb6abe180
S:upsm_hdl              0xb80110a0      physm_hdl
0xb8010dc0
S:ov_snsm_hdl           0xb8010c80      sw_snsm_hdl
0xb8010d20
S:ov_lksm_hdl           0xb8010e60      sw_lksm_hdl
0xb8010f00
S:trksm_hdl             0xb8011000      lr_flag         0x0
S:lr_active             0x0             qsfp_txrx_rate_sel
        0x0
S:
S:UPSM      UP00: UPST_PORT_DISABLED    --> UP00: UPST_PORT_DISABLED
S:SNSM(OV)  SN00: OV_SNST_STOPPED       --> SN00: OV_SNST_STOPPED
S:SNSM(SW)  SW00: SW_SNST_STAGE_WS      --> SW00: SW_SNST_STAGE_WS
S:PHYSM     PP00: PHYST_STOPPED         --> PP00: PHYST_STOPPED
S:LKSM(OV)  LK00: OV_LKST_INACTIVE      --> LK00: OV_LKST_INACTIVE
S:LKSM(SW)  SW13: INACTIVE              --> SW13: INACTIVE
S:TRKSM     TRK0: TRKST_INIT            --> TRK0: TRKST_INIT
S:
S:physm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8806d80      physm_hdl
0xb8010dc0
S:force_offline         0               copper                  0
S:fault_reason          0: UNKNOWN
S:phy_media_present             0
S:
S:snsm variables:
S:-------------------------------------------------------------------
---------
S:speed                 0xff            proto_phyp
0xb8806d80
S:hw_sn_tries_left      0x0             sw_sn_tries_left        0x0
S:curr_txsp_count               0x0
S:tx_max                        0x0             curr_tx_indx
        0x0
S:curr_tx                       0x0             curr_rxsp_count
        0x0
S:rx_max                        0x0             curr_rx_indx
        0x0
S:curr_rx                       0x0             rx_mem
        0x0
S:rxsp_rec_count                0x0
```

```
S:nc_start              0x0             tx_start                0x0
S:sync_start            0x0             sync_present            0x0
S:diag_auto             0x0             diag_speed              0xff
S:striped_wd_tov                3000            hw_wd_tov
        3000
S:step                  0x0             qsfp28_speed_mode
        0x0
S:qsfp_mode0_hw_sn_tries_left           0x0
S:qsfp_mode1_hw_sn_tries_left           0x0
S:
S:lksm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8806d80      ov_lksm_hdl
0xb8010e60
sw_lksm_hdl             0xb8010f00
num_lf1                 0
S:hw_link_tries_left    0               sw_link_tries_left      0
S:buf_ptype             0x0             stored_entry_state      0x6
S:handshake_owner               0x0             mark_unsent
        0x0
S:busybuf_stuck         0x0             lr_wait                 0x0
S:
S:trksm variables:
S:-------------------------------------------------------------------
---------
S:Not a trunk port
S:
S:upsm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8806d80      upsm_hdl
0xb80110a0
S:bb_credits            0               port_beacon             0
S:port_diag_flag                0               force_offline
        0
S:port_fault_rsn                0: PORT_NO_FAULT
S:retry_init_rsn                0: UNKNOWN
S:linit_reason          0               linit_result            0
S:ie_fctl_mode          0               fec_in_sync_tries_left  0
S:retry_sn_fail_init    0
retry_link_fail_init    0
S:excess_lr_count       0
S:
S:c4_ch_cfg
S:-------------------------------------------------------------------
---------
S:c4_desc_ring_size     256      292      256      256      292
292      2        292      292
S:thresh_def            0        16       1        0
S:intr_tries            500             cmem_pattern
0xdeadbeef
S:cmem_pattern_upwd     2               cmem_init_time          16
S:cmem_init_tries               5
```

```
S:ctrl_par_thresh               2               data_par_thresh
        4
S:cam_par_thresh                4               buf_loss_thresh
        12
S:crit_par_thresh               2               non_crit_par_thresh
        6
S:pci_abort_thresh      10              pci_err_thresh          5
S:excess_chintr_thresh  8               sw_err_thresh           20
S:err_sample_period     300             intr_sleep
20000
S:frame_timeout 2500            proxy_dev               16384
S:vf_route      81920           qos             2048
S:stats 2048            f_redirect              2048
S:rsp_trap      2048            lun_zoning              20480
S:area_mode     0               ftb_max_loop[0]         0
S:ftb_max_loop[1]       6               ftb_max_loop[2]         9
S:ftb_max_loop[3]       10              ftb_max_loop[4]         10
S:ftb_max_loop[5]       5               ftb_max_loop[6]         6
S:ftb_seg_size[0]       0               ftb_seg_size[1]
16384
S:ftb_seg_size[2]       65536           ftb_seg_size[3]
16384
S:ftb_seg_size[4]       16384           ftb_seg_size[5]
65536
S:ftb_seg_size[6]       16384           ftb_seg_base[0]         0
S:ftb_seg_base[1]       0               ftb_seg_base[2]
65536
S:ftb_seg_base[3]       16384           ftb_seg_base[4]
32768
S:ftb_seg_base[5]       131072          ftb_seg_base[6]
49152
asic_err_monitor_period1                300
asic_err_monitor_period2                86400
zone_chk_to_poll_period 25
zone_chk_class2_reject_tov              220
S:
S:c4_phy_cfg
S:-------------------------------------------------------------------
---------
S:version = 2.1
S:pt                    0x43028006      fab_ptr
0x9a800000
S:fabattr                       0x9a8000d4      fab_iop
        0x9a800050
S:cfgbm                 0xbb831b64      port_ctrl
0xb6abe198
S:pcap.pcap_bm          0x8d215547      pcap.pcap2_bm
0x2588289
S:pcap.pcap3_bm         0x1bebe0c
ui_idx                  61              S:slot_no
        0
is_icl                  0               S:sw_usr_ports          400
S:neg_speed             0 0 0 0 0 0
S:my_domain             0x1             port_mode               0x0
```

```
S:hw_sn_maxtries                100             sw_sn_maxtries
        0
S:hw_link_maxtries      10              sw_link_maxtries        5
S:rx_cyc_tov            28              rttov                   300
S:bufrdy_tov            300             busybuf_tov             286
S:mark_tov              300             lksm_tov                3000
S:buf_dealloc_wait      4               hw_wd_tov               3000
S:hw_lk_train_tov               540             hw_lk_test_tov
        150
S:syswait_tx_12_lips    1               lip_rx_tov              55
S:al_time_tov           15              lp_tov                  2000
S:intr_tries_port               500             intr_mod_debounce
        250
S:intr_lsr_flt_debounce 500             intr_efifo_debounce     100
S:port_no_fid           3               excess_ptintr_thresh    8
S:port_fault1_thresh    100             port_fault1_spur_thresh 250
S:port_fault1_disc_thresh       500
port_fault1_disc_spur_thresh    1000
S:port_fault2_thresh    5               losync_tov              100
S:port_sw_link_to               15              en_8g_scramble
        1
frc_hw_sn_mode          0x1
S:enc_poll_thresh               0               fec_enable
        0
S:fec_in_sync_to                50              fec_in_sync_try_max
        4
S:port_be_lto_threshold         100             port_be_lr_threshold
              2
S:be_cr_in_sync_to              5
port_credit_overrun_thresh              10
S:jda_sfp_losig_tov             400
jda_sfp_losig_try_max           30
S:striped_wd_tov                3000
no_sync_debounce                1200
S:
S:      fab_iop
S:=====================================
S:fab_iop->interop_mode 0x0             fab_iop->lab_mode       0x0
S:fab_iop->fl_bbc               0x0             fab_iop->fl_fan
        0x0
S:fab_iop->fl_cls               0x4             fab_iop->fl_rscn
        0x0
S:fab_iop->domain_id_offset     0x60            fab_iop-
>mcdt_fabric_mode       0x0
S:fab_iop->mcdt_default_zone            0x0             fab_iop-
>mcdt_safe_zone         0x0
S:
S:      port_ctrl
S:=====================================
S:port_ctrl.port_type   1               port_ctrl.port_grp      0
S:port_ctrl.port_number 61              port_ctrl.vc_mode       1
S:
S:      port_ctrl.lcap
S:=====================================
```

```
S:has_serdes            0               has_media               1
S:topology              1               skip_nego               0
S:skip_pnego            0               skip_init_event         0
S:en_shim                       0               speed_neg
        1
S:loop_back             0               num_speeds              5
S:fec_enable            0
S:
S:      port_ctrl.speed_list array
S:=====================================
S:speed_list[0].auto_neg  1     speed_list[0].lnk_speed  0x0000000a
S:speed_list[1].auto_neg  1     speed_list[1].lnk_speed  0x00000008
S:speed_list[2].auto_neg  1     speed_list[2].lnk_speed  0x00000006
S:speed_list[3].auto_neg  1     speed_list[3].lnk_speed  0x00000005
S:speed_list[4].auto_neg  1     speed_list[4].lnk_speed  0x00000003
S:speed_list[5].auto_neg  0     speed_list[5].lnk_speed  0x00000000
S:
S:      port_ctrl.cm
S:=====================================
S:port_ctrl.cm.num_vcs          8
S:port_ctrl.cm.min_bufs         8
S:port_ctrl.cm.cr_shar_bufs     0
S:port_ctrl.vc_alloc
S:port_ctrl.vc_alloc            2 0 1 1 1 1 1 1
S:port_ctrl.vc_alloc            0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.norm_vc_alloc
S:port_ctrl.norm_vc_alloc       4 0 5 5 5 5 1 1
S:port_ctrl.norm_vc_alloc       0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.cm.skip_bb_credit           0
S:port_ctrl.cm.use_shim_based_sublist           0
S:
S:      port_ctrl.serdes_set
S:=====================================
S:serdes_type           0x8
S:serdes_data_t.ibm_hss_serdes.tx_drive_power           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b_sign      0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_a           0x0
S:serdes_data_t.ibm_hss_serdes.rxeq                     0x0
S:
S:      cfgbm
S:=====================================
S:old_distance          0x0             gport_lockdown          0x0
S:tport                 0x1             speed                   0x0
S:disable_eport         0x0             fcacc                   0x0
S:lport_lockdown                0x0             priv_lport_lockdown
        0x0
S:vcxlt_linit           0x0             delay_flogi             0x0
S:isl_interop           0x0             distance                0x0
S:BufStarvFlag          0x0             credit_sharing          0x0
S:lport_halfduplex      0x0             lport_fairness          0x0
S:soft_neg              0x0             asn_frc_hwretry         0x0
```

```
S:cr_recov              0x0             fport_buffers           0x0
S:export                        0x0             export_mode
        0x0
S:csctl_en              0x0             mirror_port             0x0
S:fault_delay           0x0             non_dfe                 0x0
S:fec_configured*(0=ENAB)       0               fec_tts
        0
S:port_persistently_disabled (permanently) 0 (0)
S:
S:      cfg property
S:=====================================
S:priv_pcfg_bm          0x00000000      lgcl_pcfg_bm
0xbb831ba4
S:fport_buffer          0x00000000
S:
S:
S:C4 Discard Cntrs: rxlp_stats = 0xb6abd4f0
S:-------------------------------------------------------------------
---------
S:disc_mcast_wka        0x0             disc_inv_did            0x0
S:disc_cl1_cl4          0x0             disc_sid_chk_fail       0x0
S:disc_inv_dom_egid_txpt        0x0             disc_vft_hop_cnt_1
        0x0
S:disc_classf           0x0             disc_fcp_cdb_inv        0x0
S:disc_vfid_trap_enabled        0x0
disc_vfid_hdr_chk_fail  0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_ftb_vm_mode      0x0             disc_ftb_agn_t2_miss    0x0
S:disc_ecb_de_pad_err   0x0             disc_ecb_de_tag_err     0x0
S:disc_ecb_de_seq_err   0x0             disc_ecb_err            0x0
S:disc_ftb_type4_match  0x0             disc_fcp_rsp_ftb_type4  0x0
S:disc_fcp_rsp_ftb_type4        0x0             disc_ftb_type5_match
        0x0
S:disc_ftb_type3_match  0x0             disc_els_ftb_type3      0x0
S:disc_ftb_type1_match  0x0             disc_els_rsp_ex_port    0x0
S:disc_inv_drp_dps      0x0             disc_did_lookup_miss    0x0
S:disc_ftb_type2_match  0x0             disc_trpd_plogi_pdisc   0x0
S:disc_type2_lookup_miss        0x0             disc_ftb_type6_match
        0x0
S:disc_els_rep_ex_port  0x0             disc_els_sid_lkup_bit1  0x0
S:disc_els_sid_lkup_bit0        0x0
disc_bls_frm_trap_bit1  0x0
S:disc_ftb_token_err    0x0             disc_asic_internal_err  0x0
S:disc_hard_zone_miss   0x0             disc_lun_zone_miss      0x0
S:disc_flt_frame_disc   0x0             disc_flt_parity_err     0x0
S:disc_frame_marked_du  0x0             disc_frame_marked_to    0x0
E:Connection type: FE
E:Port type: E_port
E:Trunk port: No
E:Configured Speed: AUTO_SPEED_NEGO
E:Max Capable Speed: 32G
E:Current SNSM Speed: UNDEFINED
E:Hardware TX Speed: 32G (0x00000004)
```

```
E:Hardware RX Speed: 32G (0x00000040)
E:
E:Interrupts:   0           Link_failure:       0
Loss_of_sync:   0           Loss_of_sig:        0
E:Lli:          0           Invalid_word:       0
E:trapped_frm:  0           fwd_status_ok:      0
E:fwd_timeout:  0           fwd_tx_unavail:     0
E:fwd_unroutable:       0           fwd_zone_out:       0
E:fwd_other_err:        0           frm_err_discard:    0
E:Fltr listA:   0           Fltr listB:         0
E:Zone trap fwd:        0           Zone trap disc:     0
E:shim_csum:    0           RTE_perr:           0
E:Invalid_crc:  0           Delim_err:          0
E:Protocol_err: 0
E:Lr_in:        0           Lr_out:             0
E:Ols_in:       0           Ols_out:            0


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                FILTER DATA
                -----------
Shadow settings:
   Filter Enable: 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
```

```
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass: 0x00000000
Real settings:
   Enable RAM: 0x00000000, 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass RAM: 0x00000000

Shadowed filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        c4_fldenable[0] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[0] = 0x00000000,c4_fltr_config[0] = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        c4_fldenable[1] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[1] = 0x00000000,c4_fltr_config[1] = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        c4_fldenable[2] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[2] = 0x00000000,c4_fltr_config[2] = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
```

```
        c4_fldenable[3] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[3] = 0x00000000,c4_fltr_config[3] = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        c4_fldenable[4] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[4] = 0x00000000,c4_fltr_config[4] = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        c4_fldenable[5] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[5] = 0x00000000,c4_fltr_config[5] = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        c4_fldenable[6] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[6] = 0x00000000,c4_fltr_config[6] = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        c4_fldenable[7] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[7] = 0x00000000,c4_fltr_config[7] = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        c4_fldenable[8] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[8] = 0x00000000,c4_fltr_config[8] = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        c4_fldenable[9] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[9] = 0x00000000,c4_fltr_config[9] = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        c4_fldenable[10] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[10] = 0x00000000,c4_fltr_config[10] =
0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        c4_fldenable[11] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[11] = 0x00000000,c4_fltr_config[11] =
0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        c4_fldenable[12] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[12] = 0x00000000,c4_fltr_config[12] =
0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        c4_fldenable[13] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[13] = 0x00000000,c4_fltr_config[13] =
0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        c4_fldenable[14] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[14] = 0x00000000,c4_fltr_config[14] =
0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        c4_fldenable[15] = 0x00000000 0x00000000 0x00000000
```

```
0x00000000
        c4_fldnegate[15] = 0x00000000,c4_fltr_config[15] =
0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        c4_fldenable[16] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[16] = 0x00000000,c4_fltr_config[16] =
0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        c4_fldenable[17] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[17] = 0x00000000,c4_fltr_config[17] =
0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        c4_fldenable[18] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[18] = 0x00000000,c4_fltr_config[18] =
0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        c4_fldenable[19] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[19] = 0x00000000,c4_fltr_config[19] =
0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        c4_fldenable[20] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[20] = 0x00000000,c4_fltr_config[20] =
0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        c4_fldenable[21] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[21] = 0x00000000,c4_fltr_config[21] =
0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        c4_fldenable[22] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[22] = 0x00000000,c4_fltr_config[22] =
0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        c4_fldenable[23] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[23] = 0x00000000,c4_fltr_config[23] =
0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        c4_fldenable[24] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[24] = 0x00000000,c4_fltr_config[24] =
0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        c4_fldenable[25] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[25] = 0x00000000,c4_fltr_config[25] =
0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
```

```
        c4_fldenable[26] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[26] = 0x00000000,c4_fltr_config[26] =
0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        c4_fldenable[27] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[27] = 0x00000000,c4_fltr_config[27] =
0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        c4_fldenable[28] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[28] = 0x00000000,c4_fltr_config[28] =
0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        c4_fldenable[29] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[29] = 0x00000000,c4_fltr_config[29] =
0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        c4_fldenable[30] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[30] = 0x00000000,c4_fltr_config[30] =
0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        c4_fldenable[31] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[31] = 0x00000000,c4_fltr_config[31] =
0x00000000


Real filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
```

```
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
```

```
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
```

```
Filter dirty indicator: 0x00000000
Performance filters: 0
Port Mirror filters: 0 (0x0)


                FIELD DATA
                ----------

Shadowed fields:

fldoffset[0] = 0x00,fldmask[0] = 0x00,fldvalue_dyna[0]:0x00 0x00
0x00 0x00
fldcontrol[0].inuse = 0x0  fldcontrol[0].refcnt = 0x00 0x00 0x00
0x00
fldoffset[1] = 0x00,fldmask[1] = 0x00,fldvalue_dyna[1]:0x00 0x00
0x00 0x00
fldcontrol[1].inuse = 0x0  fldcontrol[1].refcnt = 0x00 0x00 0x00
0x00
fldoffset[2] = 0x00,fldmask[2] = 0x00,fldvalue_dyna[2]:0x00 0x00
0x00 0x00
fldcontrol[2].inuse = 0x0  fldcontrol[2].refcnt = 0x00 0x00 0x00
0x00
fldoffset[3] = 0x00,fldmask[3] = 0x00,fldvalue_dyna[3]:0x00 0x00
0x00 0x00
fldcontrol[3].inuse = 0x0  fldcontrol[3].refcnt = 0x00 0x00 0x00
0x00
fldoffset[4] = 0x00,fldmask[4] = 0x00,fldvalue_dyna[4]:0x00 0x00
0x00 0x00
fldcontrol[4].inuse = 0x0  fldcontrol[4].refcnt = 0x00 0x00 0x00
0x00
fldoffset[5] = 0x00,fldmask[5] = 0x00,fldvalue_dyna[5]:0x00 0x00
0x00 0x00
fldcontrol[5].inuse = 0x0  fldcontrol[5].refcnt = 0x00 0x00 0x00
0x00
fldoffset[6] = 0x00,fldmask[6] = 0x00,fldvalue_dyna[6]:0x00 0x00
0x00 0x00
fldcontrol[6].inuse = 0x0  fldcontrol[6].refcnt = 0x00 0x00 0x00
0x00
fldoffset[7] = 0x00,fldmask[7] = 0x00,fldvalue_dyna[7]:0x00 0x00
0x00 0x00
fldcontrol[7].inuse = 0x0  fldcontrol[7].refcnt = 0x00 0x00 0x00
0x00
fldoffset[8] = 0x00,fldmask[8] = 0x00,fldvalue_dyna[8]:0x00 0x00
0x00 0x00
fldcontrol[8].inuse = 0x0  fldcontrol[8].refcnt = 0x00 0x00 0x00
0x00
fldoffset[9] = 0x00,fldmask[9] = 0x00,fldvalue_dyna[9]:0x00 0x00
0x00 0x00
fldcontrol[9].inuse = 0x0  fldcontrol[9].refcnt = 0x00 0x00 0x00
0x00
fldoffset[10] = 0x00,fldmask[10] = 0x00,fldvalue_dyna[10]:0x00 0x00
0x00 0x00
fldcontrol[10].inuse = 0x0  fldcontrol[10].refcnt = 0x00 0x00 0x00
0x00
```

```
fldoffset[11] = 0x00,fldmask[11] = 0x00,fldvalue_dyna[11]:0x00 0x00
0x00 0x00
fldcontrol[11].inuse = 0x0  fldcontrol[11].refcnt = 0x00 0x00 0x00
0x00
fldoffset[12] = 0x00,fldmask[12] = 0x00,fldvalue_dyna[12]:0x00 0x00
0x00 0x00
fldcontrol[12].inuse = 0x0  fldcontrol[12].refcnt = 0x00 0x00 0x00
0x00
fldoffset[13] = 0x00,fldmask[13] = 0x00,fldvalue_dyna[13]:0x00 0x00
0x00 0x00
fldcontrol[13].inuse = 0x0  fldcontrol[13].refcnt = 0x00 0x00 0x00
0x00
fldoffset[14] = 0x00,fldmask[14] = 0x00,fldvalue_dyna[14]:0x00 0x00
0x00 0x00
fldcontrol[14].inuse = 0x0  fldcontrol[14].refcnt = 0x00 0x00 0x00
0x00
fldoffset[15] = 0x00,fldmask[15] = 0x00,fldvalue_dyna[15]:0x00 0x00
0x00 0x00
fldcontrol[15].inuse = 0x0  fldcontrol[15].refcnt = 0x00 0x00 0x00
0x00
fldoffset[16] = 0x00,fldmask[16] = 0x00,fldvalue_dyna[16]:0x00 0x00
0x00 0x00
fldcontrol[16].inuse = 0x0  fldcontrol[16].refcnt = 0x00 0x00 0x00
0x00
fldoffset[17] = 0x00,fldmask[17] = 0x00,fldvalue_dyna[17]:0x00 0x00
0x00 0x00
fldcontrol[17].inuse = 0x0  fldcontrol[17].refcnt = 0x00 0x00 0x00
0x00
fldoffset[18] = 0x00,fldmask[18] = 0x00,fldvalue_dyna[18]:0x00 0x00
0x00 0x00
fldcontrol[18].inuse = 0x0  fldcontrol[18].refcnt = 0x00 0x00 0x00
0x00
fldoffset[19] = 0x00,fldmask[19] = 0x00,fldvalue_dyna[19]:0x00 0x00
0x00 0x00
fldcontrol[19].inuse = 0x0  fldcontrol[19].refcnt = 0x00 0x00 0x00
0x00

Real fields:

fldoffset RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fldmask RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fld value4 RAM:
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
```

```
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
Field dirty indicator: 0x00000000

FDB reference count fdb: 0 [0 0 0 0 ]
FDB reference count fdb: 1 [0 0 0 0 ]
FDB reference count fdb: 2 [0 0 0 0 ]
FDB reference count fdb: 3 [0 0 0 0 ]
FDB reference count fdb: 4 [0 0 0 0 ]
FDB reference count fdb: 5 [0 0 0 0 ]
FDB reference count fdb: 6 [0 0 0 0 ]
FDB reference count fdb: 7 [0 0 0 0 ]
FDB reference count fdb: 8 [0 0 0 0 ]
FDB reference count fdb: 9 [0 0 0 0 ]
FDB reference count fdb: 10 [0 0 0 0 ]
FDB reference count fdb: 11 [0 0 0 0 ]
FDB reference count fdb: 12 [0 0 0 0 ]
FDB reference count fdb: 13 [0 0 0 0 ]
FDB reference count fdb: 14 [0 0 0 0 ]
FDB reference count fdb: 15 [0 0 0 0 ]
FDB reference count fdb: 16 [0 0 0 0 ]
FDB reference count fdb: 17 [0 0 0 0 ]
FDB reference count fdb: 18 [0 0 0 0 ]
FDB reference count fdb: 19 [0 0 0 0 ]

Filter counters:
   Filter counter 0: 0  (MIRROR1)
   Filter counter 1: 0  (MIRROR2)
   Filter counter 2: 0  (MIRROR3)
   Filter counter 3: 0  (MIRROR4)
   Filter counter 4: 0  (AEPORT_NON_MIRR_DROP)
   Filter counter 5: 0  (ZONING TRAP)
   Filter counter 6: 0  (FCR_EXPORT_DC)
   Filter counter 7: 0  (TIN TRAP)
   Filter counter 8: 0  (FICON CUP)
   Filter counter 9: 0  (FICON CUP DST)
   Filter counter 10: 0 (WELL KNOWN ADDR)
   Filter counter 11: 0 (SIM)
   Filter counter 12: 0 (UNUSED)
   Filter counter 13: 0 (UNUSED)
   Filter counter 14: 0 (UNUSED)
   Filter counter 15: 0 (UNUSED)
   Filter counter 16: 0 (PERF1)
   Filter counter 17: 0 (PERF2)
   Filter counter 18: 0 (PERF3)
   Filter counter 19: 0 (PERF4)
```

```
   Filter counter 20: 0 (PERF5)
   Filter counter 21: 0 (PERF6)
   Filter counter 22: 0 (PERF7)
   Filter counter 23: 0 (PERF8)
   Filter counter 24: 0 (PERF9)
   Filter counter 25: 0 (PERF10)
   Filter counter 26: 0 (PERF11)
   Filter counter 27: 0 (PERF12)
   Filter counter 28: 0 (OPM1)
   Filter counter 29: 0 (OPM2)
   Filter counter 30: 0 (IPM1)
   Filter counter 31: 0 (IPM2)

               ACL DATA
               --------
Logical port 6: Hard Zoning disabled, Soft Zoning disabled
Zone type: WWN Zoning
Frames with hard zone miss: 0

*** Please use filterportshow on user port 56 to display ACL hash
tables and Mirroring resources of thischip.
 ***We show this data only for the first physical port which is an
exernal port.

portFcPortCmdShow --slot 0 62 3
doing portFcPortCmdShow: arg1 = 3, arg2 = -2

portshow 62
portDisableReason: None
portCFlags: 0x0
portFlags: 0x4021        PRESENT U_PORT DISABLED LED
LocalSwcFlags: 0x0
portType:  26.0
POD Port: Need license to enable the port
portState: 2    Offline
Protocol: FC
portPhys:  2    No_Module       portScn:   2    Offline
port generation number:    0
state transition count:    0

portId:    013e00
portIfId:    43020005
portWwn:   20:3e:d8:1f:cc:2c:99:90
portWwn of device(s) connected:
16b Area list:
Distance:  normal
portSpeed: N32Gbps

FEC: Inactive
Credit Recovery: Inactive
LE domain: 0
Peer beacon: Off
FC Fastwrite: OFF
Interrupts:        0          Link_failure: 0          Frjt:
```

```
0
Unknown:           0          Loss_of_sync: 0          Fbsy:
0
Lli:               0          Loss_of_sig:  0
Proc_rqrd:         0          Protocol_err: 0
Timed_out:         0          Invalid_word: 0
Tx_unavail:        0          Invalid_crc:  0
Delim_err:         0          Address_err:  0
Lr_in:             0          Ols_in:       0
Lr_out:            0          Ols_out:      0


portloginshow 62
Type  PID     World Wide Name        credit df_sz cos
=====================================================


portloginshow 62 -history
 Type  PID      World Wide Name           logout time
============================================================


portregshow 62

LED registers
=============
0x81c2a000: c4_led_status           00000000    0x81c2a004:
c4_led_ctl              00000000

FPL registers
=============
0x81c28200: fpl_port_config         23490000
0x81c2820c: fpl_port_id_ctl         00000000    0x81c28210:
fpl_port_id_addr        00013e00
0x81c28214: fpl_port_speed          00000004    0x81c2821c:
fpl_lli_ctl             00000903
0x81c28228: fpl_lli_os_ctl          bc95b5b5    0x81c2822c:
fpl_lli_send_word       bc95b5b5
0x81c28230: fpl_lli_mark_rx         00000000    0x81c28234:
fpl_lli_rnd_trip_time   00000000
0x81c28238: fpl_lli_ns_status       80070007    0x81c2823c:
fpl_lli_intr_status     80070007
0x81c28244: fpl_lli_def             00000000    0x81c28254:
fpl_lli_intr_enable_clr 00100000
0x81c28258: fpl_err_intr_status     00000000    0x81c28260:
fpl_err_intr_enable_clr 00000000
0x81c28268: fpl_err_first_error     00000000    0x81c2826c:
fpl_speed_neg_ctl       00000000
0x81c28270: fpl_speed_neg_stat      00000000    0x81c28274:
fpl_softasn_ctl         0000000f
0x81c28278: fpl_link_init_ctl       00000000    0x81c2827c:
fpl_link_init_stat      00000000
0x81c28280: fpl_aec_ctl             00051060    0x81c28284:
fpl_aec_ctl2            04009f60
```

```
0x81c28288: fpl_pcs_ctl             00000160    0x81c2828c:
fpl_fec_ctl             00000441
0x81c28290: fpl_fec_cor             00000000    0x81c28294:
fpl_fec_uncor           00000000
0x81c28298: fpl_hss_link_ctl        0031f040    0x81c2829c:
fpl_afifo_link_ctl      00000a86
0x81c282a0: fpl_echo_lb_ctl         0000028c    0x81c282a4:
fpl_scratch             00000121
0x81c282a8: fpl_debug               00030005    0x81c282ac:
fpl_misc_debug          00001800
0x00000000: SW_shadow_reg           00000000    0x00000000:
SW_c4_phyp->cfgptr      00030000

per-fpg (per octet) registers
=============================
0x8180382c: fpg_serdes_ctla0        81a37be7    0x81803830:
fpg_serdes_ctla1        81a37be7
0x81803834: fpg_serdes_ctlb0        81a1c3c3    0x81803838:
fpg_serdes_ctlb1        81a1c3c3
0x8180383c: fpg_serdes_xgmii_1ms    00067c28    0x81803840:
fpg_serdes_regtimctl    40e47946
0x81803844: fpg_serdes_asnrsttimctl 00000102

HSS PLL registers
=============================
0x81803400: 00_hssplla_vco_coarse_cal0      00000000    0x81803404:
01_hssplla_vco_coarse_cal1      00000014
0x81803408: 02_hssplla_vco_coarse_cal2      00000000    0x8180340c:
03_hssplla_vco_coarse_cal3      00000000
0x81803410: 04_hssplla_vco_coarse_cal4      00000000    0x81803424:
09_hssplla_power_ctl            00000000
0x81803428: 0A_hssplla_charge_pump_ctl      00000004    0x81803438:
0E_hssplla_pll_misc_ctl         00000000
0x8180343c: 0F_hssplla_pclk_ctl             000000f8    0x81803440:
10_hssplla_eyem_intv_ctl        00000000
0x81803444: 11_hssplla_eyem_intv_lim1       00000000    0x81803448:
12_hssplla_eyem_intv_lim2       00000000
0x8180344c: 13_hssplla_eyem_intv_lim3       00000000    0x81803450:
14_hssplla_eyem_intv_lim4       00000000
0x818034f0: 3C_hssplla_macro_tst_ctl4       00000000    0x818034f4:
3D_hssplla_macro_tst_ctl3       00000000
0x818034f8: 3E_hssplla_macro_tst_ctl2       00000000    0x818034fc:
3F_hssplla_macro_tst_ctl1       00000000
0x81803500: 00_hssp1lb_vco_coarse_cal0      0000000a    0x81803504:
01_hssp1lb_vco_coarse_cal1      00000014
0x81803508: 02_hssp1lb_vco_coarse_cal2      00000000    0x8180350c:
03_hssp1lb_vco_coarse_cal3      00000000
0x81803510: 04_hssp1lb_vco_coarse_cal4      00000000    0x81803524:
09_hssp1lb_power_ctl            00000000
0x81803528: 0A_hssp1lb_charge_pump_ctl      00000004    0x81803538:
0E_hssp1lb_pll_misc_ctl         00000000
0x8180353c: 0F_hssp1lb_pclk_ctl             000000f8    0x81803540:
10_hssp1lb_eyem_intv_ctl        00000000
0x81803544: 11_hssp1lb_eyem_intv_lim1       00000000    0x81803548:
```

```
12_hsspllb_eyem_intv_lim2       00000000
0x8180354c: 13_hsspllb_eyem_intv_lim3       00000000    0x81803550:
14_hsspllb_eyem_intv_lim4       00000000
0x818035f0: 3C_hsspllb_macro_tst_ctl4       00000000    0x818035f4:
3D_hsspllb_macro_tst_ctl3       00000000
0x818035f8: 3E_hsspllb_macro_tst_ctl2       00000000    0x818035fc:
3F_hsspllb_macro_tst_ctl1       00000000

HSS TX registers
================
0x81802100: 00_hsstx_cfg_mode_PHY           00009f48    0x81802104:
01_hsstx_test_ctl               00000000
0x81802108: 02_hsstx_coeff_ctl_INV          00000000    0x8180210c:
03_hsstx_drv_mode_ctl           00000000
0x81802110: 04_hsstx_drv_ovrd_ctl           00000010    0x81802114:
05_hsstx_dclk_align_ovrd        00000080
0x81802118: 06_hsstx_imp_cal_ovrd           00000c0c    0x8180211c:
07_hsstx_dclk_drift_tol         00000004
0x81802120: 08_hsstx_tap0_coeff_TUNE        00000000    0x81802124:
09_hsstx_tap1_coeff_TUNE        00000003
0x81802128: 0A_hsstx_tap2_coeff_TUNE        00000018    0x8180212c:
0B_hsstx_tap3_coeff_TUNE        0000000d
0x81802134: 0D_hsstx_pol_INV                00000004    0x81802138:
0E_hsstx_ae_cmd                 00000000
0x8180213c: 0F_hsstx_ae_stat                00000000    0x81802140:
10_hsstx_ae_tap0_TUNE           00000000
0x81802144: 11_hsstx_ae_tap1_TUNE           00000000    0x81802148:
12_hsstx_ae_tap2_TUNE           00000028
0x8180214c: 13_hsstx_ae_tap3_TUNE           00000000    0x81802154:
15_hsstx_app_tune               0000120e
0x81802158: 16_hsstx_analog_diag            00000000    0x81802160:
18_hsstx_4x_seg_app             0000aafa
0x81802164: 19_hsstx_2x_seg_app             00000000    0x81802168:
1A_hsstx_1x_seg_app             0000ff5d
0x8180216c: 1B_hsstx_seg_4x_term_app        00000000    0x81802170:
1C_hsstx_seg_2x1x_term_app      00000f00
0x81802174: 1D_hsstx_tap_sign_app           00000004    0x81802178:
1E_hsstx_ext_addr_data          00000001
0x8180217c: 1F_hsstx_ext_addr_addr          00000000    0x81802180:
20_hsstx_pat_buf_bytes_1_0      00000000
0x81802184: 21_hsstx_pat_buf_bytes_3_2      00000000    0x81802188:
22_hsstx_pat_buf_bytes_5_4      00000000
0x8180218c: 23_hsstx_pat_buf_bytes_7_6      00000000    0x8180219c:
27_hsstx_8023az_ctl             00000000
0x818021a0: 28_hsstx_dcc_ctl                000060c0    0x818021a4:
29_hsstx_dcc_ovrd               00000000
0x818021a8: 2A_hsstx_dcc_app                00000109    0x818021ac:
2B_hsstx_dcc_timeout            0000ffff
0x818021c0: 30_hsstx_tap_sign_ovrd          00000000    0x818021c8:
32_hsstx_seg_4x_ovrd            00000000
0x818021cc: 33_hsstx_seg_2x_ovrd            00000000    0x818021d0:
34_hsstx_seg_1x_ovrd            00000000
0x818021d8: 36_hsstx_tap_seg_4x_term_ovrd   00000000    0x818021dc:
37_hsstx_tap_seg_2x_term_ovrd   00000000
```

```
0x818021e0: 38_hsstx_tap_seg_1x_term_ovrd   00000000    0x818021ec:
3B_hsstx_mac_test_ctl5          00000000
0x818021f0: 3C_hsstx_mac_test_ctl4          00000000    0x818021f4:
3D_hsstx_mac_test_ctl3          00000000
0x818021f8: 3E_hsstx_mac_test_ctl2          00000000    0x818021fc:
3F_hsstx_mac_test_ctl1          000000c6

HSS RX registers
================
0x81802300: 00_hssrx_cfg_mode_PHY           00009e78    0x81802304:
01_hssrx_test_ctl               00000000
0x81802308: 02_hssrx_phs_rot_ctl            0000cb80    0x8180230c:
03_hssrx_phs_rot_ofs_ctl        00000610
0x81802310: 04_hssrx_phs_rot_posn1          00001b1a    0x81802314:
05_hssrx_phs_rot_posn2          0000000b
0x81802318: 06_hssrx_phs_rot_sta_ofs1       00000000    0x8180231c:
07_hssrx_phs_rot_sta_ofs2       0000001f
0x81802320: 08_hssrx_dfe_ctl_PHY            00002002    0x81802324:
09_hssrx_dfe_smpl_snap1         00000000
0x81802328: 0A_hssrx_dfe_smpl_snap2         00008000    0x8180232c:
0B_hssrx_vga_ctl1               000041fb
0x81802330: 0C_hssrx_vga_ctl2               00007aa0    0x81802334:
0D_hssrx_vga_ctl3               000009e4
0x81802338: 0E_hssrx_pwr_mgmnt_ctl          0000001f    0x8180233c:
0F_hssrx_iqamp_ctl1             0000001b
0x81802340: 10_hssrx_iqamp_ctl2             00000005    0x81802344:
11_hssrx_dacap_dacan_sel        00000003
0x81802348: 12_hssrx_dacap_dacan            00000201    0x8180234c:
13_hssrx_daca_min               00000000
0x81802350: 14_hssrx_adac_ctl               00000001    0x81802354:
15_hssrx_ac_cp_ctl              000031c3
0x81802358: 16_hssrx_ac_cp_val              0000004a    0x8180235c:
17_hssrx_dfe_h1h2h3_lcl_off_ch  00000014
0x81802360: 18_hssrx_dfe_h1h2h3_lcl_off_val 00000000    0x81802364:
19_hssrx_peaked_intg            000000ff
0x81802368: 1A_hssrx_cdr_analog_sw          0000ce00    0x8180236c:
1B_hssrx_peaking_amp_init_c_PHY 00000000
0x81802370: 1C_hssrx_dac_dpc                00000040    0x81802374:
1D_hssrx_ddc                    00000000
0x81802378: 1E_hssrx_int_stat_PHY           00000c0f    0x8180237c:
1F_hssrx_dfe_func_ctl1_PHY      0000ffff
0x81802380: 20_hssrx_dfe_func_ctl2_INV      00007ebf    0x81802384:
21_hssrx_ofs_ch_dcc_qcc_idx     00002000
0x81802388: 22_hssrx_dfe_ofs_val            00007f02    0x8180238c:
23_hssrx_h_coeff_bist           00000401
0x81802390: 24_hssrx_ac_cap_bist            000020d6    0x81802394:
25_hssrx_max_gain_path_idx_res  00007800
0x81802398: 26_hssrx_loff_ctl               00000054    0x8180239c:
27_hssrx_sigdet_ctl             00002680
0x818023a0: 28_hssrx_ana_ctl_sw             00000000    0x818023a4:
29_hssrx_intg_dac_ofs           0000dbde
0x818023a8: 2A_hssrx_eye_ctl                00000000    0x818023ac:
2B_hssrx_eye_met                00000004
0x818023b0: 2C_hssrx_eye_met_err_cnt        00000000    0x818023b4:
```

```
2D_hssrx_eye_met_pdf_eyec       00000000
0x818023b8: 2E_hssrx_eye_met_pat_len        0000007f    0x818023bc:
2F_hssrx_dfe_func_ctl3          0000dfff
0x818023c0: 30_hssrx_dfe_tap_ctl_idx_ptr    00000008    0x818023c4:
31_hssrx_dfe_tap                00003030
0x818023c8: 32_hssrx_lte_ctl_TUNE           00001601    0x818023e4:
39_hssrx_int_stat2              000041ff
0x818023e8: 3A_hssrx_ac_cpl_cur_src_adj     00000042    0x818023ec:
3B_hssrx_dcd_ctl                00007c4a
0x818023f0: 3C_hssrx_dcc_ctl                00000d81    0x818023f4:
3D_hssrx_qcc_ctl                00006947
0x818023f8: 3E_hssrx_mac_test_ctl2          00000000    0x818023fc:
3F_hssrx_mac_test_ctl1          00000000
0x81802348: 12_hssrx_dacap_dacan[02]                0200 0201
0x81802360: 18_hssrx_dfe_h1h2h3_lcl_off_va[00]      0000 0000   0000
0000   0000 0000   0000 0000
0x81802360: 18_hssrx_dfe_h1h2h3_lcl_off_va[08]      0000 0000   0000
0000   0000 0000   0000 0000
0x81802360: 18_hssrx_dfe_h1h2h3_lcl_off_va[16]      0000 0000   0000
0000   0000
0x81802388: 22_hssrx_dfe_ofs_val[00][00]            7f02 7f00   7d7d
0000   0b7d 7f00
0x81802388: 22_hssrx_dfe_ofs_val[03][00]            7e7b 7f00   7d7b
0000   7b05 0000
0x81802388: 22_hssrx_dfe_ofs_val[06][00]            7e7b 0001   097d
7f00   7d7f 0000
0x81802388: 22_hssrx_dfe_ofs_val[09][00]            057d 7f00   0501
0000   7f7d 0000
0x81802388: 22_hssrx_dfe_ofs_val[12][00]            0103 0000   0703
7f00   7f06 007f
0x81802388: 22_hssrx_dfe_ofs_val[15][00]            7f7f 0000   797d
007f   7e03 0000
0x81802388: 22_hssrx_dfe_ofs_val[18][00]            7b05 0000   0007
007f   007b 0000
0x81802388: 22_hssrx_dfe_ofs_val[21][00]            007b 0000   007b
0000   007b 0000
0x81802388: 22_hssrx_dfe_ofs_val[24][00]            0306 007f   7f7e
7f00   7b00 0000
0x81802394: 25_hssrx_max_gain_path_idx_res[00]      0058 0853   1007
1887   2100 28ba   30a2 3800
0x81802394: 25_hssrx_max_gain_path_idx_res[08]      40c0 489a   5082
5800   6044 6804   7000 7800
0x818023c4: 31_hssrx_dfe_tap[00]                    fffe 8080   0000
0000   0030 0030   3030 3030
0x818023c4: 31_hssrx_dfe_tap[08]                    3030 3030   3030
0000
0x818023e8: 3A_hssrx_ac_cpl_cur_src_adj[00]         0042 0042   0042
0042
0x818023ec: 3B_hssrx_dcd_ctl[00]                    7c4a 5c00   7c82
5c00   7c81
0x818023f0: 3C_hssrx_dcc_ctl[00]                    0d81 0d81   0d81
0d00
0x818023f4: 3D_hssrx_qcc_ctl[00]                    6949 6947
```

```
xfipcs, fec, aec, & aet registers
=================================
0x81c28400: xfipcs_reg              [00] 00002040 00000080 00000000
00000000    00000001 00000008 00000000 00000000
0x81c28420: xfipcs_reg              [08] 00008c01 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c28440: xfipcs_reg              [16] 00000000 00000000 00000000
00000000    00000040 00000000 00000000 00000000
0x81c28460: xfipcs_reg              [24] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c28480: xfipcs_reg              [32] 00000004 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c28620: fec_32g_128g_reg        [08] 00000000 00000000 00000000
00000000    00000000 00000000 00000000
0x81c28648: fec_32g_128g_reg        [18] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c28a00: aec_reg                 [00] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c28c00: aet_reg                 [00] 00000000 00000000 00000000
00000000    00000000

bbc registers
=============
0x81c29800: bbc_trc                 0    0    0    0    0    0    0
0
0x81c29840: bbc_trc                 0    0    0    0    0    0    0
0
0x81c29880: bbc_trc                 0    0    0    0    0    0    0
0
0x81c298c0: bbc_trc                 0    0    0    0    0    0    0
0
0x81c29900: bbc_trc                 0    0    0    0    0    0    0
0
0x81c29804: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c29844: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c29884: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c298c4: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c29904: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c29a00: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c29a20: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c29a40: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c29a60: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c29a80: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c29c00: bbc_rqc                 0    0    0    0    0    0    0
```

```
0
0x81c29c20: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c29c40: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c29c60: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c29c80: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c29d00: bbc_fbpc                00000000    0x81c29d04: bbc_csc
00000000
0x81c29d08: bbc_rcc_inc             00000000    0x81c29d0c:
bbc_rqc_inc             00000000
0x81c29d10: bbc_fbpc_inc            00000000    0x81c29d14:
bbc_tmc_inc             00000000
0x81c29d18: bbc_threshold           00080100    0x81c29d1c:
bbc_counter_clr         00000000
0x81c29d20: bbc_debug_en            00000000    0x81c29d24: bbc_ctrl
00200020
0x81c29d28: bbc_rqc_rcc_thresh      00000055    0x81c29d34:
bbc_bb_sc_n             00000000
0x81c29d38: bbc_crd_reco_debug      00000000    0x81c29d3c:
bbc_crd_reco_debug_data 00000000
0x81c29d40: bbc_multi_frm_loss_cnt  00000000    0x81c29d44:
bbc_multi_rdy_loss_cnt  00000000
0x81c29d48: bbc_1frm_loss_recov_cnt 00000000    0x81c29d4c:
bbc_1rdy_loss_recov_cnt 00000000
0x81c29d58: bbc_int_status          00000000    0x81c29d5c:
bbc_int_set             00000000
0x81c29d60: bbc_int_first           00000000    0x81c29d64:
bbc_frm_rdy_rx_err_addr 00000000
0x81c29d68: bbc_frm_rdy_tx_err_addr 00000000    0x81c29d6c:
bbc_trc_mbc_err_addr    00000000
0x81c29d70: bbc_frm_rdy_rx_dbl_ecc  00000000    0x81c29d74:
bbc_frm_rdy_tx_dbl_ecc  00000000
0x81c29d78: bbc_trc_mbc_dbl_ecc     00000000
0x81c29d7c: bbc_fsm_status          00001011    0x81c29d80:
bbc_force_err           00000000
0x81c29d84: bbc_crdt_avail0         ffffffff    0x81c29d88:
bbc_crdt_avail1         000000ff
0x81c29d8c: bbc_scratch             00000000

FPS registers
=============
0x81c28004: fps_er_enc_in           00000000    0x81c28008:
fps_er_crc              00000000
0x81c2800c: fps_er_trunc            00000000    0x81c28010:
fps_er_toolong          00000000
0x81c28014: fps_er_bad_eof          00000000    0x81c28018:
fps_er_enc_out          00000000
0x81c2801c: fps_er_bad_os           00000000    0x81c28020:
fps_er_flush            00000000
0x81c28024: fps_er_ifg              00000000    0x81c28038:
fps_er_crc_good_eof     00000000
```

```
0x81c2803c: fps_inv_arb             00000000    0x81c28040:
fps_slow_sts_status     00000000
0x81c28044: fps_tx_frm_cnt          00000000    0x81c28048:
fps_rx_frm_cnt          00000000
0x81c28050: fps_tx_word_cnt_hi      00000000    0x81c2804c:
fps_tx_word_cnt_lo      00000000
0x81c28058: fps_rx_word_cnt_hi      00000000    0x81c28054:
fps_rx_word_cnt_lo      00000000

BAL registers
=============
0x81c2f000: bal_desired_buf         00000000    0x81c2f004:
bal_alloc_buf           00000000
0x81c2f008: bal_busy_buf            00000000    0x81c2f00c:
bal_usable_buf          00000000
0x81c2f010: bal_max_bor_buf         00000000
0x81c2f014: bal_busy_buf_thresh     00000002

TXQ registers
=============
0x81c2b004: txq_phys_port_ctl       00450000
0x81c2b050: txq_link_skew           00000000
0x81c2b068: txq_cr_lk_dttn_intr_sts [00] 00000000 00000000
0x81c2b070: txq_cr_lk_dttn_intr_en  [00] 00000000 00000000
0x81c2b024: txq_disc_frm_trap_cnt   00000014

FDS registers
=============
0x81c2c000: fds_rxf_ctl             00000002    0x81c2c004:
fds_rxf_wait_thresh     00000909
0x81c2c018: fds_rxf_first_error     00000000    0x81c2c01c:
fds_rxf_first_error_info00000000
0x81c2c020: fds_rxf_inout_pkt_cnt   00000000
0x81c2c008: fds_rxf_err_int_status  00000000    0x81c2c024:
fds_rxf_fifo_status     00888888
0x81c2d000: fds_txf_ctl             0000003a    0x81c2d004:
fds_txf_wait_ifg_thresh 00a00106
0x81c2d008: fds_txf_err_int_status  00000000    0x81c2d024:
fds_txf_fifo_status     00088888
0x81c2d02c: fds_txf_bbc_scs         00000000

Logical TXQ registers
=====================
0x81c2b000: txq_log_port_ctl        00000002    0x81c2b008:
txq_port_status         00000000
0x81c2b00c: txq_todo_flags          [00] 00000000 00000000
0x81c2b014: txq_spd_match_desc      [00] 00000000 00000000 00000000
00000000
0x81c2b024: txq_spd_match_desc      [04] 00000014
0x81c2b028: txq_vc_weight           [00] 01010101 01010101 01010101
01010101
0x81c2b038: txq_vc_weight           [04] 01010101 01010101 01010101
01010101
0x81c2b048: txq_vc_weight           [08] 01010101 00010101
```

```
0x81c2b054: txq_cong_dttn_ctrl      00000000
0x81c2b058: txq_cong_dttn_intr_sts  [00] 00000000 00000000
0x81c2b060: txq_cong_dttn_intr_en   [00] 00000000 00000000
0x81c2b078: txq_bw_limit_en_reg    [00] 00000000 00000000
0x81c2b080: txq_bw_gua_en_reg      [00] 00000000 00000000
0x81c2b088: txq_vc_group           [00] 03030300 03030303 03030303
03030303
0x81c2b098: txq_vc_group           [04] 03030303 03030303 03030303
03030303
0x81c2b0a8: txq_vc_group           [08] 03030303 03030303 00000000
00000000
0x81c2b0b0: txq_bw_thresh_group    [00] 00000000 00000000 00000000
00000000
0x81c2b0c0: txq_bw_thresh_group    [04] 00000000 00000000 00000000
00000000
0x81c2b0d0: txq_bw_thresh_group    [08] 00000000 00000000 00000000
00000000
0x81c2b0e0: txq_bw_thresh_group    [12] 00000000 00000000 00000000
00000000
0x81c2b0f0: txq_bw_thresh_group    [16] 00000000 00000000 00000000
00000000
0x81c2b100: txq_bw_thresh_group    [20] 00000000 00000000 00000000
00000000
0x81c2b110: txq_bw_thresh_group    [24] 00000000 00000000 00000000
00000000
0x81c2b120: txq_bw_thresh_group    [28] 00000000 00000000 00000000
00000000
0x81c2b130: txq_bw_thresh_group    [32] 00000000 00000000 00000000
00000000
0x81c2b140: txq_bw_thresh_group    [36] 00000000 00000000 00000000
00000000

txq Congestion detection Statistics RAM
=======================================
0x81090320: vc[0]       00000000        0x81090324: vc[1]
00000000
0x81090328: vc[2]       00000000        0x8109032c: vc[3]
00000000
0x81090330: vc[4]       00000000        0x81090334: vc[5]
00000000
0x81090338: vc[6]       00000000        0x8109033c: vc[7]
00000000
0x81090340: vc[8]       00000000        0x81090344: vc[9]
00000000
0x81090348: vc[10]      00000000        0x8109034c: vc[11]
00000000
0x81090350: vc[12]      00000000        0x81090354: vc[13]
00000000
0x81090358: vc[14]      00000000        0x8109035c: vc[15]
00000000
0x81090360: vc[16]      00000000        0x81090364: vc[17]
00000000
0x81090368: vc[18]      00000000        0x8109036c: vc[19]
00000000
```

```
0x81090370: vc[20]      00000000        0x81090374: vc[21]
00000000
0x81090378: vc[22]      00000000        0x8109037c: vc[23]
00000000
0x81090380: vc[24]      00000000        0x81090384: vc[25]
00000000
0x81090388: vc[26]      00000000        0x8109038c: vc[27]
00000000
0x81090390: vc[28]      00000000        0x81090394: vc[29]
00000000
0x81090398: vc[30]      00000000        0x8109039c: vc[31]
00000000
0x810903a0: vc[32]      00000000        0x810903a4: vc[33]
00000000
0x810903a8: vc[34]      00000000        0x810903ac: vc[35]
00000000
0x810903b0: vc[36]      00000000        0x810903b4: vc[37]
00000000
0x810903b8: vc[38]      00000000        0x810903bc: vc[39]
00000000


Logical STS registers
=====================
0x81584444: sts_ftb_type1_miss      00000000
0x81584448: sts_ftb_type2_miss      00000000
0x8158444c: sts_ftb_type6_miss      00000000
0x81584450: sts_hard_zoning_miss    00000000
0x81584454: sts_lun_zoning_miss     00000000
0x8158445c: sts_unroutable          00000000
0x81581474: sts_rte_cl2             00000000    0x81581478:
sts_rte_cl3             00000000        0x8158147c: sts_rte_link_ctl
00000000        0x81584468: sts_tx_timeout          00000000

Logical STS filter registers
=====================
0x815843c0: sts_flt_trig            [00] 00000000 00000000 00000000
00000000
0x815843d0: sts_flt_trig            [04] 00000000 00000000 00000000
00000000
0x815843e0: sts_flt_trig            [08] 00000000 00000000 00000000
00000000
0x815843f0: sts_flt_trig            [12] 00000000 00000000 00000000
00000000
0x81584400: sts_flt_trig            [16] 00000000 00000000 00000000
00000000
0x81584410: sts_flt_trig            [20] 00000000 00000000 00000000
00000000
0x81584420: sts_flt_trig            [24] 00000000 00000000 00000000
00000000
0x81584430: sts_flt_trig            [28] 00000000 00000000 00000000
00000000
0x81584440: sts_flt_trig            [32]
```

```
Logical STS discard registers
=====================
0x81581744: disc_mcast_wka          00000000    0x81581748:
disc_inv_did            00000000
0x8158174c: disc_cl1_cl4            00000000    0x81581750:
disc_sid_chk_fail       00000000
0x81581754: disc_inv_dom_egid_txpt  00000000    0x81581758:
disc_vft_hop_cnt_1      00000000
0x8158175c: disc_classf             00000000    0x81581760:
disc_fcp_cdb_inv        00000000
0x81581764: disc_vfid_trap_enabled  00000000    0x81581768:
disc_vfid_hdr_chk_fail  00000000
0x8158176c: disc_shim_cksum_fail    00000000    0x81581770:
disc_fed_edit_cmd_err   00000000
0x81581774: disc_ftb_vm_mode        00000000    0x81581778:
disc_ftb_agn_t2_miss    00000000
0x8158177c: disc_ecb_reserved       00000000    0x81581780:
disc_ecb_de_pad_err     00000000
0x81581784: disc_ecb_de_tag_err     00000000    0x81581788:
disc_ecb_de_seq_err     00000000
0x8158178c: disc_ecb_err            00000000    0x81581790:
disc_ftb_type4_match    00000000
0x81581794: disc_fcp_rsp_ftb_type4  00000000    0x81581798:
disc_ftb_type5_match    00000000
0x8158179c: disc_ftb_type3_match    00000000    0x815817a0:
disc_els_ftb_type3      00000000
0x815817a4: disc_ftb_type1_match    00000000    0x815817a8:
disc_els_rsp_ex_port    00000000
0x815817ac: disc_inv_drp_dps        00000000    0x815817b0:
disc_did_lookup_miss    00000000
0x815817b4: disc_ftb_type2_match    00000000    0x815817b8:
disc_trpd_plogi_pdisc   00000000
0x815817bc: disc_type2_lookup_miss  00000000    0x815817c0:
disc_ftb_type6_match    00000000
0x815817c4: disc_els_rep_ex_port    00000000    0x815817c8:
disc_els_sid_lkup_bit1  00000000
0x815817cc: disc_els_sid_lkup_bit0  00000000    0x815817d0:
disc_bls_frm_trap_bit1  00000000
0x815817d4: disc_ftb_token_err      00000000    0x815817d8:
disc_asic_internal_err  00000000
0x815817dc: disc_hard_zone_miss     00000000    0x815817e0:
disc_lun_zone_miss      00000000
0x815817e4: disc_flt_frame_disc     00000000    0x815817e8:
disc_flt_parity_err     00000000
0x815817ec: disc_frame_marked_du    00000000    0x815817f0:
disc_frame_marked_to    00000000
0x815817f4: disc_lkup_rte_prty_err  00000000


portstatsshow 62
stat_wtx                0                   4-byte words transmitted
stat_wrx                0                   4-byte words received
stat_ftx                0                   Frames transmitted
stat_frx                0                   Frames received
```

```
stat_c2_frx             0                   Class 2 frames received
stat_c3_frx             0                   Class 3 frames received
stat_lc_rx              0                   Link control frames
received
stat_mc_rx              0                   Multicast frames
received
stat_mc_to              0                   Multicast timeouts
stat_mc_tx              0                   Multicast frames
transmitted
tim_txcrd_z             0                   Time TX Credit Zero
(2.5Us ticks)
tim_txcrd_z_vc  0- 3:  0           0           0           0
tim_txcrd_z_vc  4- 7:  0           0           0           0
tim_txcrd_z_vc  8-11:  0           0           0           0
tim_txcrd_z_vc 12-15:  0           0           0           0
lat_tot_pkt_vc  0- 3:  1           1           1           1
lat_tot_pkt_vc  4- 7:  1           1           1           1
lat_tot_pkt_vc  8-11:  1           1           1           1
lat_tot_pkt_vc 12-15:  1           1           1           1
lat_hi_time_vc  0- 3:  0           0           0           0
lat_hi_time_vc  4- 7:  0           0           0           0
lat_hi_time_vc  8-11:  0           0           0           0
lat_hi_time_vc 12-15:  0           0           0           0
lat_lo_time_vc  0- 3:  1           1           1           1
lat_lo_time_vc  4- 7:  1           1           1           1
lat_lo_time_vc  8-11:  1           1           1           1
lat_lo_time_vc 12-15:  1           1           1           1
max_latency_vc  0- 3:  1           1           1           1
max_latency_vc  4- 7:  1           1           1           1
max_latency_vc  8-11:  1           1           1           1
max_latency_vc 12-15:  1           1           1           1
latency_dma_ts          09-09-2024 UTC Mon 08:47:27            TXQ
Latency DMA TimeStamp
fec_cor_detected        0                   Count of blocks that
were corrected by FEC
fec_uncor_detected      0                   Count of blocks that
were left uncorrected by FEC
er_enc_in               0                   Encoding errors inside
of frames
er_crc                  0                   Frames with CRC errors
er_trunc                0                   Frames shorter than
minimum
er_toolong              0                   Frames longer than
maximum
er_bad_eof              0                   Frames with bad end-of-
frame
er_enc_out              0                   Encoding error outside
of frames
er_bad_os               0                   Invalid ordered set
er_pcs_blk              0                   PCS block errors
er_rx_c3_timeout        0                   Class 3 receive frames
discarded due to timeout
er_tx_c3_timeout        0                   Class 3 transmit frames
discarded due to timeout
```

```
er_unroutable           0                   Frames that are
unroutable
er_unreachable          0                   Frame with unreachable
destination
er_other_discard        0                   Other discards
er_type1_miss           0                   frames with FTB type 1
miss
er_type2_miss           0                   frames with FTB type 2
miss
er_type6_miss           0                   frames with FTB type 6
miss
er_zone_miss            0                   frames with hard zoning
miss
er_lun_zone_miss        0                   frames with LUN zoning
miss
er_crc_good_eof         0                   Crc error with good eof
er_inv_arb              0                   Invalid ARB
er_single_credit_loss   0                   Single vcrdy/frame loss
on link
er_multi_credit_loss    0                   Multiple vcrdy/frame
loss on link
other_credit_loss       0                   Link timeout/complete
credit loss
phy_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
phy_port stats clear
lgc_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
lgc_port stats clear
fec_corrected_rate      0                   FEC Corrected blocks per
second

portstats64show 62
stat64_wtx      0           top_int : 4-byte words transmitted
                0           bottom_int : 4-byte words transmitted
stat64_wrx      0           top_int : 4-byte words received
                0           bottom_int : 4-byte words received
stat64_ftx      0           top_int : Frames transmitted
                0           bottom_int : Frames transmitted
stat64_frx      0           top_int : Frames received
                0           bottom_int : Frames received
stat64_c2_frx   0           top_int : Class 2 frames received
                0           bottom_int : Class 2 frames received
stat64_c3_frx   0           top_int : Class 3 frames received
                0           bottom_int : Class 3 frames received
stat64_lc_rx    0           top_int : Link control frames received
                0           bottom_int : Link control frames
received
stat64_mc_rx    0           top_int : Multicast frames received
                0           bottom_int : Multicast frames received
stat64_mc_to    0           top_int : Multicast timeouts
                0           bottom_int : Multicast timeouts
stat64_mc_tx    0           top_int : Multicast frames transmitted
                0           bottom_int : Multicast frames
transmitted
tim64_rdy_pri   0           top_int : Time R_RDY high priority
```

```
                0           bottom_int : Time R_RDY high priority
tim64_txcrd_z   0           top_int : Time BB_credit zero
                0           bottom_int : Time BB_credit zero
er64_enc_in     0           top_int : Encoding errors inside of
frames
                0           bottom_int : Encoding errors inside of
frames
er64_crc        0           top_int : Frames with CRC errors
                0           bottom_int : Frames with CRC errors
er64_trunc      0           top_int : Frames shorter than minimum
                0           bottom_int : Frames shorter than minimum
er64_toolong    0           top_int : Frames longer than maximum
                0           bottom_int : Frames longer than maximum
er64_bad_eof    0           top_int : Frames with bad end-of-frame
                0           bottom_int : Frames with bad end-of-
frame
er64_enc_out    0           top_int : Encoding error outside of
frames
                0           bottom_int : Encoding error outside of
frames
er64_disc_c3    0           top_int : Class 3 frames discarded
                0           bottom_int : Class 3 frames discarded
er64_pcs_blk    0           top_int : PCS block errors
                0           bottom_int : PCS block errors
stat64_rateTxFrame      0           Tx frame rate (fr/sec)
stat64_rateRxFrame      0           Rx frame rate (fr/sec)
stat64_rateTxPeakFrame  0           Tx peak frame rate (fr/sec)
stat64_rateRxPeakFrame  0           Rx peak frame rate (fr/sec)
stat64_rateTxWord       0           Tx Word rate (words/sec)
stat64_rateRxWord       0           Rx Word rate (words/sec)
stat64_rateTxPeakWord   0           Tx peak Word rate (words/sec)
stat64_rateRxPeakWord   0           Rx peak Word rate (words/sec)
stat64_PRJTFrames       0           top_int : Number of PRJT frames
returned to this port
                        0           bottom_int : Number of PRJT
frames returned to this port
stat64_PBSYFrames       0           top_int : Number of PBSY frames
returned to this port
                        0           bottom_int : Number of PBSY
frames returned to this port
stat64_inputBuffersFull 0           top_int : Number of occurrences
when all input buffers full
                        0           bottom_int : Number of
occurrences when all input buffers full
stat64_rxClass1Frames   0           top_int : Number of class 1
frames received
                        0           bottom_int : Number of class 1
frames received
stat64_aveTxFrameSize   0           Average Tx Frame size
stat64_aveRxFrameSize   0           Average Rx Frame size
Lr_in           0           top_int
                0           bottom_int
Ols_in          0           top_int
                0           bottom_int
```

```
Lr_out          0           top_int
                0           bottom_int
Ols_out         0           top_int
                0           bottom_int
Link_failure    0           top_int
                0           bottom_int
Invalid_CRC     0           top_int
                0           bottom_int
Invalid_word    0           top_int
                0           bottom_int
Protocol_err    0           top_int
                0           bottom_int
Loss_of_sig     0           top_int
                0           bottom_int
Loss_of_sync    0           top_int
                0           bottom_int
er_bad_os       0           top_int : Invalid ordered set
                0           bottom_int: Invalid ordered set


portrouteshow 62
port address ID: 0x013e00
external unicast routing table:
   0: Embedded
 255: Embedded
internal unicast routing table:
   0: Embedded

portcamshow 62
-------------------------------------------------
Port  SID used  DID used  SID entries  DID entries
62     0         0         000000       000000
-------------------------------------------------

ptbufshow, ptcreditshow, ptdatashow, ptstatsshow 62
S:
S:VF Enable:            1
S:
S:C4 Global Variable:
S:-------------------------------------------------------------------
---------
S:trace_stop:           0
S:
S:C4 Phy Data Pointers: c4_phyp = 0xb6abb0c0
S:-------------------------------------------------------------------
---------
S:tnodep                        0xbb830a80      pt
        0x43028005
S:proto_phyp            0xb8806a20      phy_cfg
0xb6abc100
S:c4_chp                        0x97e28000      c4_lgcp
0x97f5c000
S:c4_phy_regp           0x81c28000      proc_dir
0xb8514000
```

```
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4345678      num_port_timer          12
S:prev_if_id            0x43020005      S:ftx                   0
        tov                     0
S:initialized           0               port_idx                5
S:ui_idx                        62              slot_no
        0
S:blade_idx             5               sw_usr_ports            400
S:unused                        0               intr_debounced
        0
S:aec_status            0x0             reason_code
        0
S:debug                 0x00000004      debug_trc_line          0
S:rxbuf_list_head       0xffffffff      rxbuf_list_tail
0xffffffff
S:isAePort                      0               port_misc_data
                0
S:num_fault1_rx_disc    0               num_fault2_rx_disc      0
S:p_lli_cause0          0               p_sig_regained          0
S:p_sync_regained               0               enc_out
        0x0
S:cached_fps_status     0               cached_sts_status       0
S:cached_er_crc_good_eof        0
S:cached_er_bad_os      0               cached_er_too_long      0
S:cached_er_trunc       0
cached_tot_er_crc_good_eof      0
S:num_pt_excess_intr    0               num_no_fid              0
S:num_fault1_cnt                0               num_fault2_cnt
        0
S:num_fault_lip         0               num_fault_lli           0
S:num_fault_rx_fifo     0               num_fault_hss           0
S:num_fault_bwait               0               lli_intr_prim
        0
S:num_sw_link_to                0
be_link_err_mon_count           0
S:ecb_enc_enabled               0               ecb_comp_enabled
                0
S:ecb_rsv_enc           0               ecb_rsv_comp            0
S:ecb_enc_bm            0x0             ecb_key_index
0xffffffff
S:fab_idx               4
S:num_be_lto            0               lto_count_reset_intvl
        0
S:lr_count_reset_intvl          0               num_be_lr
        0
S:num_fault_qsfp                0               check_lto
        0
S:credit_loaded         0               num_credit_overrun
        0
S:fec_enabled           0x0             fec_los_to_flag         0x0
S:phy_stats_clear_ts            1725611419      pcs_err_online
        0
S:pcs_err_light_det             0               pcs_err_ignore
```

```
        0
S:pcs_blk_err           0               pcs_hiber               0
S:phy_port_status               0               ecb_enc_lr_count
                0
S:dport_mode            0               avoid_lto_det           0
S:sn_debounced          0x0             sn_started_kr_reqd      0
S:major_timer_started   0x0             ready_bm                0x0
S:parln_1_bm            0x0             parln_0_bm              0x0
S:be_los_of_sync_event_intvl            0
be_los_of_sync_event            0
S:errataPtenable_cntr           0               errataPoll_cntr
        0
S:jda_rx_sig_loss_det           0               jda_rx_sig_loss_cnt
                0
S:encrypt_blk_error             0
S:
S:      c4_trunk
S:=====================================
S:mark_ts               0x0             deskew                  0x0
S:master_phyp           0x0
S:
S:adelay[00]: 0x00000000 0x00000000 0x00000000 0x00000000
S:adelay[04]: 0x00000000 0x00000000 0x00000000 0x00000000
S:
S:      c4_buf
S:=====================================
S:tx_csc                        0               rx_csc
        0
S:ld_vc_credits         0               tx_flag                 0x0
S:alloc_buffers         0               req_buffers             0
S:est_buffers           20              ld_use_est              0
S:bb_sc_n                       0               rx_bb_sc_n
        0
S:data_cr                       5               nondata_cr
        6
S:cr_enable             0
S:ld_nondata_cr         6               tnodep
0xbb830b60
S:tx_credits[0] 0    0    0    0    0    0    0    0
S:tx_credits[8] 0    0    0    0    0    0    0    0
S:tx_credits[16]        0    0    0    0    0    0    0    0
S:tx_credits[24]        0    0    0    0    0    0    0    0
S:tx_credits[32]        0    0    0    0    0    0    0    0
S:rx_credits[0] 0    0    0    0    0    0    0    0
S:rx_credits[8] 0    0    0    0    0    0    0    0
S:rx_credits[16]        0    0    0    0    0    0    0    0
S:rx_credits[24]        0    0    0    0    0    0    0    0
S:rx_credits[32]        0    0    0    0    0    0    0    0
S:tx_mbc[0]     0    0    0    0    0    0    0    0
S:tx_mbc[8]     0    0    0    0    0    0    0    0
S:tx_mbc[16]    0    0    0    0    0    0    0    0
S:tx_mbc[24]    0    0    0    0    0    0    0    0
S:tx_mbc[32]    0    0    0    0    0    0    0    0
S:rx_mbc[0]     0    0    0    0    0    0    0    0
```

```
S:rx_mbc[8]     0    0    0    0    0    0    0    0
S:rx_mbc[16]    0    0    0    0    0    0    0    0
S:rx_mbc[24]    0    0    0    0    0    0    0    0
S:rx_mbc[32]    0    0    0    0    0    0    0    0
S:
S:C4 Chip Variables: c4_phyp->c4_chp = 0x97e28000
S:-----------------------------------------------------------------
---------
S:version = 2.1
S:magic_id              0xc4234567      init_state              0x8
S:reset_reg_mem         0x1
S:ch_int0_en_bm         0x0             intr0_cause             0x0
S:ch_int1_en_bm         0x0             intr1_cause             0x0
S:ch_int2_en_bm         0x0             intr2_cause             0x0
S:ch                    0x43010080      ch_cfg
0xb7013ba0
S:raslog_hndl.hndl      0x0             obj_halted              0x0
S:c4_chip_regp          0x80000000      c4_fpg_regp
0x81800000
S:num_chip_timer        0x5
S:hi_task_bm            0x0             lo_task_bm              0x0
S:c4_deferq.q_head      0x0             c4_deferq.q_tail        0x0
S:c4_tmrq.q_head        0x0             c4_tmrq.q_tail          0x0
slot_no                 0
S:chip_inst             0               chip_idx                0
S:pll_initialized               1
pll_serdes_initialized  1
S:init_tries            0               init_ptEnableBM
0xba01b488
S:tick_polling          0xb980c9c0      sec_polling
0xb980c960
S:bb_fid                        129
S:ecb_key_bm[0]         0x0             ecb_key_bm[1]           0x0
S:ecb_key_bm[2]         0x0             ecb_key_bm[3]           0x0
S:is_chip_enc_enabled                   0
is_chip_comp_enabled    0x0
S:ftb_rsrcp->ftb_flags  0x0             act_rsrcp->act_flag     0x1
S:lue_rsrcp->lue_flags[0]       0x0             lue_rsrcp-
>lue_flags[1]   0x0
S:c4_phyp[00]: 0xb6ab0000 0xb6ab2080 0xb6ab4100 0xb6ab6180
S:c4_phyp[04]: 0xb6ab9040 0xb6abb0c0 0xb6abd140 0xb6ac0000
S:c4_phyp[08]: 0xb6ac2080 0xb6ac4100 0xb6ac6180 0xb6ac9040
S:c4_phyp[12]: 0xb6acb0c0 0xb6acd140 0xb6ad0000 0xb6ad2080
S:c4_phyp[16]: 0xb6ad4100 0xb6ad6180 0xb6ad9040 0xb6adb0c0
S:c4_phyp[20]: 0xb6add140 0xb6ae0000 0xb6ae2080 0xb6ae4100
S:c4_phyp[24]: 0xb6ae6180 0xb6ae9040 0xb6aeb0c0 0xb6aed140
S:c4_phyp[28]: 0xb6af0000 0xb6af2080 0xb6af4100 0xb6af6180
S:c4_phyp[32]: 0xb6af9040 0xb6afb0c0 0xb6afd140 0xb6b00000
S:c4_phyp[36]: 0xb6b02080 0xb6b04100 0xb6b06180 0xb6b09040
S:c4_phyp[40]: 0xb6b0b0c0 0xb6b0d140 0xb6b10000 0xb6b12080
S:c4_phyp[44]: 0xb6b14100 0xb6b16180 0xb6b19040 0xb6b1b0c0
S:c4_phyp[48]: 0xb6b1d140 0xb6b20000 0xb6b22080 0xb6b24100
S:c4_phyp[52]: 0xb6b26180 0xb6b29040 0xb6b2b0c0 0xb6b2d140
S:c4_phyp[56]: 0xb6b30000 0xb6b32080 0xb6b34100 0xb6b36180
```

```
S:c4_phyp[60]: 0xb6b39040 0xb6b3b0c0 0xb6b3d140 0xb6b40000
S:c4_lgcp[00]: 0x97f48000 0x97f4c000 0x97f50000 0x97f54000
S:c4_lgcp[04]: 0x97f58000 0x97f5c000 0x97f60000 0x97f64000
S:c4_lgcp[08]: 0x97f68000 0x97f6c000 0x97f70000 0x97f74000
S:c4_lgcp[12]: 0x97f78000 0x97f7c000 0x97f80000 0x97f84000
S:c4_lgcp[16]: 0x97f88000 0x97f8c000 0x97f90000 0x97f94000
S:c4_lgcp[20]: 0x97f98000 0x97f9c000 0x97fa0000 0x97fa4000
S:c4_lgcp[24]: 0x97fa8000 0x97fac000 0x97fb0000 0x97fb4000
S:c4_lgcp[28]: 0x97fb8000 0x97fbc000 0x97fc0000 0x97fc4000
S:c4_lgcp[32]: 0x97fc8000 0x97fcc000 0x97fd0000 0x97fd4000
S:c4_lgcp[36]: 0x97fd8000 0x97fdc000 0x97fe0000 0x97fe4000
S:c4_lgcp[40]: 0x97fe8000 0x97fec000 0x97ff0000 0x97ff4000
S:c4_lgcp[44]: 0x97ff8000 0x97ffc000 0x8e000000 0x8e004000
S:c4_lgcp[48]: 0x8e008000 0x8e00c000 0x8e010000 0x8e014000
S:c4_lgcp[52]: 0x8e018000 0x8e01c000 0x8e020000 0x8e024000
S:c4_lgcp[56]: 0x8e028000 0x8e02c000 0x8e030000 0x8e034000
S:c4_lgcp[60]: 0x8e038000 0x8e03c000 0x8e040000 0x8e044000
S:chip_timers[00]: 0xb980c720 0xb980c780 0xb980c7e0 0xb980c840
S:chip_timers[04]: 0xb980c8a0 0xb980c900
S:disc_trap_enable_required     0x0             rxlp_disc_log_stop
        0x0
S:curr_rxlp_frm_cnt     0x0             curr_rxlp_disc_frm_cnt  0x0
S:sw_disc_frm_cnt       0x0             last_disc_frm_cnt       0x0
S:txq_nopop_pr_cnt      0x0             pollErrataDfe_ptBM
0xba01b4b0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][0]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][1]  0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][2]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][0] 0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][1]       0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][2] 0x0
S:
S:C4 Logical Port Variables
S:-----------------------------------------------------------------
---------
S:c4_lgc_regp           0x81c28000
S:c4_phyp:
S:      0xb6abb0c0      0x0             0x0             0x0

S:      0x0             0x0             0x0             0x0

S:master_phyp           0xb6abb0c0      if_id
0x43020005
S:min_phyp              0x0             max_phyp                0x0
S:num_phy_ports         1               lgc_num                 5
S:num_iu_to             0               sw_txq_bm
        0
S:port_fid              129             unused                  0
S:port_group            0               lgc_stats_clear_ts
                1725611419
S:domain_tbl_sel                0               area_tbl_sel
        0
S:egid_tbl_sel          0
S:serv_lo_bm            0x0
```

```
S:
S:Proto Phy Variables:
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4123456      asic_phyp
0xb6abb0c0
S:port_id                       0x43028005      phy_cfg
        0xb6abc100
S:upsm_hdl              0xb8010aa0      physm_hdl
0xb8010820
S:ov_snsm_hdl           0xb80106e0      sw_snsm_hdl
0xb8010780
S:ov_lksm_hdl           0xb80108c0      sw_lksm_hdl
0xb8010960
S:trksm_hdl             0xb8010a00      lr_flag         0x0
S:lr_active             0x0             qsfp_txrx_rate_sel
        0x0
S:
S:UPSM      UP00: UPST_PORT_DISABLED    --> UP00: UPST_PORT_DISABLED
S:SNSM(OV)  SN00: OV_SNST_STOPPED       --> SN00: OV_SNST_STOPPED
S:SNSM(SW)  SW00: SW_SNST_STAGE_WS      --> SW00: SW_SNST_STAGE_WS
S:PHYSM     PP00: PHYST_STOPPED         --> PP00: PHYST_STOPPED
S:LKSM(OV)  LK00: OV_LKST_INACTIVE      --> LK00: OV_LKST_INACTIVE
S:LKSM(SW)  SW13: INACTIVE              --> SW13: INACTIVE
S:TRKSM     TRK0: TRKST_INIT            --> TRK0: TRKST_INIT
S:
S:physm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8806a20      physm_hdl
0xb8010820
S:force_offline         0               copper                  0
S:fault_reason          0: UNKNOWN
S:phy_media_present             0
S:
S:snsm variables:
S:-------------------------------------------------------------------
---------
S:speed                 0xff            proto_phyp
0xb8806a20
S:hw_sn_tries_left      0x0             sw_sn_tries_left        0x0
S:curr_txsp_count               0x0
S:tx_max                        0x0             curr_tx_indx
        0x0
S:curr_tx                       0x0             curr_rxsp_count
        0x0
S:rx_max                        0x0             curr_rx_indx
        0x0
S:curr_rx                       0x0             rx_mem
        0x0
S:rxsp_rec_count                0x0
S:nc_start              0x0             tx_start                0x0
S:sync_start            0x0             sync_present            0x0
S:diag_auto             0x0             diag_speed              0xff
```

```
S:striped_wd_tov                3000            hw_wd_tov
        3000
S:step                  0x0             qsfp28_speed_mode
        0x0
S:qsfp_mode0_hw_sn_tries_left           0x0
S:qsfp_mode1_hw_sn_tries_left           0x0
S:
S:lksm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8806a20      ov_lksm_hdl
0xb80108c0
sw_lksm_hdl             0xb8010960
num_lf1                 0
S:hw_link_tries_left    0               sw_link_tries_left      0
S:buf_ptype             0x0             stored_entry_state      0x6
S:handshake_owner               0x0             mark_unsent
        0x0
S:busybuf_stuck         0x0             lr_wait                 0x0
S:
S:trksm variables:
S:-------------------------------------------------------------------
---------
S:Not a trunk port
S:
S:upsm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8806a20      upsm_hdl
0xb8010aa0
S:bb_credits            0               port_beacon             0
S:port_diag_flag                0               force_offline
        0
S:port_fault_rsn                0: PORT_NO_FAULT
S:retry_init_rsn                0: UNKNOWN
S:linit_reason          0               linit_result            0
S:ie_fctl_mode          0               fec_in_sync_tries_left  0
S:retry_sn_fail_init    0
retry_link_fail_init    0
S:excess_lr_count       0
S:
S:c4_ch_cfg
S:-------------------------------------------------------------------
---------
S:c4_desc_ring_size     256      292      256      256      292
292      2        292      292
S:thresh_def            0        16       1        0
S:intr_tries            500             cmem_pattern
0xdeadbeef
S:cmem_pattern_upwd     2               cmem_init_time          16
S:cmem_init_tries               5
S:ctrl_par_thresh               2               data_par_thresh
        4
S:cam_par_thresh                4               buf_loss_thresh
```

```
        12
S:crit_par_thresh               2               non_crit_par_thresh
        6
S:pci_abort_thresh      10              pci_err_thresh          5
S:excess_chintr_thresh  8               sw_err_thresh           20
S:err_sample_period     300             intr_sleep
20000
S:frame_timeout 2500            proxy_dev               16384
S:vf_route      81920           qos             2048
S:stats 2048            f_redirect              2048
S:rsp_trap      2048            lun_zoning              20480
S:area_mode     0               ftb_max_loop[0]         0
S:ftb_max_loop[1]       6               ftb_max_loop[2]         9
S:ftb_max_loop[3]       10              ftb_max_loop[4]         10
S:ftb_max_loop[5]       5               ftb_max_loop[6]         6
S:ftb_seg_size[0]       0               ftb_seg_size[1]
16384
S:ftb_seg_size[2]       65536           ftb_seg_size[3]
16384
S:ftb_seg_size[4]       16384           ftb_seg_size[5]
65536
S:ftb_seg_size[6]       16384           ftb_seg_base[0]         0
S:ftb_seg_base[1]       0               ftb_seg_base[2]
65536
S:ftb_seg_base[3]       16384           ftb_seg_base[4]
32768
S:ftb_seg_base[5]       131072          ftb_seg_base[6]
49152
asic_err_monitor_period1                300
asic_err_monitor_period2                86400
zone_chk_to_poll_period 25
zone_chk_class2_reject_tov              220
S:
S:c4_phy_cfg
S:-----------------------------------------------------------------
---------
S:version = 2.1
S:pt                    0x43028005      fab_ptr
0x9a800000
S:fabattr                       0x9a8000d4      fab_iop
        0x9a800050
S:cfgbm                 0xbb8308c4      port_ctrl
0xb6abc118
S:pcap.pcap_bm          0x8d215547      pcap.pcap2_bm
0x2588289
S:pcap.pcap3_bm         0x1bebe0c
ui_idx                  62              S:slot_no
        0
is_icl                  0               S:sw_usr_ports          400
S:neg_speed             0 0 0 0 0 0
S:my_domain             0x1             port_mode               0x0
S:hw_sn_maxtries                100             sw_sn_maxtries
        0
S:hw_link_maxtries      10              sw_link_maxtries        5
```

```
S:rx_cyc_tov            28              rttov                   300
S:bufrdy_tov            300             busybuf_tov             286
S:mark_tov              300             lksm_tov                3000
S:buf_dealloc_wait      4               hw_wd_tov               3000
S:hw_lk_train_tov               540             hw_lk_test_tov
        150
S:syswait_tx_12_lips    1               lip_rx_tov              55
S:al_time_tov           15              lp_tov                  2000
S:intr_tries_port               500             intr_mod_debounce
        250
S:intr_lsr_flt_debounce 500             intr_efifo_debounce     100
S:port_no_fid           3               excess_ptintr_thresh    8
S:port_fault1_thresh    100             port_fault1_spur_thresh 250
S:port_fault1_disc_thresh       500
port_fault1_disc_spur_thresh    1000
S:port_fault2_thresh    5               losync_tov              100
S:port_sw_link_to               15              en_8g_scramble
        1
frc_hw_sn_mode          0x1
S:enc_poll_thresh               0               fec_enable
        0
S:fec_in_sync_to                50              fec_in_sync_try_max
        4
S:port_be_lto_threshold         100             port_be_lr_threshold
                2
S:be_cr_in_sync_to              5
port_credit_overrun_thresh              10
S:jda_sfp_losig_tov             400
jda_sfp_losig_try_max           30
S:striped_wd_tov                3000
no_sync_debounce                1200
S:
S:      fab_iop
S:======================================
S:fab_iop->interop_mode 0x0             fab_iop->lab_mode       0x0
S:fab_iop->fl_bbc               0x0             fab_iop->fl_fan
        0x0
S:fab_iop->fl_cls               0x4             fab_iop->fl_rscn
        0x0
S:fab_iop->domain_id_offset     0x60            fab_iop-
>mcdt_fabric_mode       0x0
S:fab_iop->mcdt_default_zone            0x0             fab_iop-
>mcdt_safe_zone         0x0
S:
S:      port_ctrl
S:======================================
S:port_ctrl.port_type   1               port_ctrl.port_grp      0
S:port_ctrl.port_number 62              port_ctrl.vc_mode       1
S:
S:      port_ctrl.lcap
S:======================================
S:has_serdes            0               has_media               1
S:topology              1               skip_nego               0
S:skip_pnego            0               skip_init_event         0
```

```
S:en_shim                       0               speed_neg
        1
S:loop_back             0               num_speeds              5
S:fec_enable            0
S:
S:      port_ctrl.speed_list array
S:=====================================
S:speed_list[0].auto_neg  1     speed_list[0].lnk_speed  0x0000000a
S:speed_list[1].auto_neg  1     speed_list[1].lnk_speed  0x00000008
S:speed_list[2].auto_neg  1     speed_list[2].lnk_speed  0x00000006
S:speed_list[3].auto_neg  1     speed_list[3].lnk_speed  0x00000005
S:speed_list[4].auto_neg  1     speed_list[4].lnk_speed  0x00000003
S:speed_list[5].auto_neg  0     speed_list[5].lnk_speed  0x00000000
S:
S:      port_ctrl.cm
S:=====================================
S:port_ctrl.cm.num_vcs          8
S:port_ctrl.cm.min_bufs         8
S:port_ctrl.cm.cr_shar_bufs     0
S:port_ctrl.vc_alloc
S:port_ctrl.vc_alloc            2 0 1 1 1 1 1 1
S:port_ctrl.vc_alloc            0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.norm_vc_alloc
S:port_ctrl.norm_vc_alloc       4 0 5 5 5 5 1 1
S:port_ctrl.norm_vc_alloc       0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.cm.skip_bb_credit           0
S:port_ctrl.cm.use_shim_based_sublist           0
S:
S:      port_ctrl.serdes_set
S:=====================================
S:serdes_type           0x8
S:serdes_data_t.ibm_hss_serdes.tx_drive_power           0x1
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b_sign      0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_a           0x0
S:serdes_data_t.ibm_hss_serdes.rxeq                     0x0
S:
S:      cfgbm
S:=====================================
S:old_distance          0x0             gport_lockdown          0x0
S:tport                 0x1             speed                   0x0
S:disable_eport         0x0             fcacc                   0x0
S:lport_lockdown                0x0             priv_lport_lockdown
        0x0
S:vcxlt_linit           0x0             delay_flogi             0x0
S:isl_interop           0x0             distance                0x0
S:BufStarvFlag          0x0             credit_sharing          0x0
S:lport_halfduplex      0x0             lport_fairness          0x0
S:soft_neg              0x0             asn_frc_hwretry         0x0
S:cr_recov              0x0             fport_buffers           0x0
S:export                        0x0             export_mode
        0x0
```

```
S:csctl_en              0x0             mirror_port             0x0
S:fault_delay           0x0             non_dfe                 0x0
S:fec_configured*(0=ENAB)       0               fec_tts
        0
S:port_persistently_disabled (permanently) 0 (0)
S:
S:      cfg property
S:=====================================
S:priv_pcfg_bm          0x00000000      lgcl_pcfg_bm
0xbb830904
S:fport_buffer          0x00000000
S:
S:
S:C4 Discard Cntrs: rxlp_stats = 0xb6abb470
S:-------------------------------------------------------------------
---------
S:disc_mcast_wka        0x0             disc_inv_did            0x0
S:disc_cl1_cl4          0x0             disc_sid_chk_fail       0x0
S:disc_inv_dom_egid_txpt        0x0             disc_vft_hop_cnt_1
        0x0
S:disc_classf           0x0             disc_fcp_cdb_inv        0x0
S:disc_vfid_trap_enabled        0x0
disc_vfid_hdr_chk_fail  0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_ftb_vm_mode      0x0             disc_ftb_agn_t2_miss    0x0
S:disc_ecb_de_pad_err   0x0             disc_ecb_de_tag_err     0x0
S:disc_ecb_de_seq_err   0x0             disc_ecb_err            0x0
S:disc_ftb_type4_match  0x0             disc_fcp_rsp_ftb_type4  0x0
S:disc_fcp_rsp_ftb_type4        0x0             disc_ftb_type5_match
        0x0
S:disc_ftb_type3_match  0x0             disc_els_ftb_type3      0x0
S:disc_ftb_type1_match  0x0             disc_els_rsp_ex_port    0x0
S:disc_inv_drp_dps      0x0             disc_did_lookup_miss    0x0
S:disc_ftb_type2_match  0x0             disc_trpd_plogi_pdisc   0x0
S:disc_type2_lookup_miss        0x0             disc_ftb_type6_match
        0x0
S:disc_els_rep_ex_port  0x0             disc_els_sid_lkup_bit1  0x0
S:disc_els_sid_lkup_bit0        0x0
disc_bls_frm_trap_bit1  0x0
S:disc_ftb_token_err    0x0             disc_asic_internal_err  0x0
S:disc_hard_zone_miss   0x0             disc_lun_zone_miss      0x0
S:disc_flt_frame_disc   0x0             disc_flt_parity_err     0x0
S:disc_frame_marked_du  0x0             disc_frame_marked_to    0x0
E:Connection type: FE
E:Port type: E_port
E:Trunk port: No
E:Configured Speed: AUTO_SPEED_NEGO
E:Max Capable Speed: 32G
E:Current SNSM Speed: UNDEFINED
E:Hardware TX Speed: 32G (0x00000004)
E:Hardware RX Speed: 32G (0x00000040)
E:
E:Interrupts:   0           Link_failure:       0
```

```
Loss_of_sync:   0           Loss_of_sig:        0
E:Lli:          0           Invalid_word:       0
E:trapped_frm:  0           fwd_status_ok:      0
E:fwd_timeout:  0           fwd_tx_unavail:     0
E:fwd_unroutable:       0           fwd_zone_out:       0
E:fwd_other_err:        0           frm_err_discard:    0
E:Fltr listA:   0           Fltr listB:         0
E:Zone trap fwd:        0           Zone trap disc:     0
E:shim_csum:    0           RTE_perr:           0
E:Invalid_crc:  0           Delim_err:          0
E:Protocol_err: 0
E:Lr_in:        0           Lr_out:             0
E:Ols_in:       0           Ols_out:            0


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                FILTER DATA
                -----------
Shadow settings:
   Filter Enable: 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass: 0x00000000
```

```
Real settings:
   Enable RAM: 0x00000000, 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass RAM: 0x00000000

Shadowed filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        c4_fldenable[0] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[0] = 0x00000000,c4_fltr_config[0] = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        c4_fldenable[1] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[1] = 0x00000000,c4_fltr_config[1] = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        c4_fldenable[2] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[2] = 0x00000000,c4_fltr_config[2] = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        c4_fldenable[3] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[3] = 0x00000000,c4_fltr_config[3] = 0x00000000
```

```
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        c4_fldenable[4] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[4] = 0x00000000,c4_fltr_config[4] = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        c4_fldenable[5] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[5] = 0x00000000,c4_fltr_config[5] = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        c4_fldenable[6] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[6] = 0x00000000,c4_fltr_config[6] = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        c4_fldenable[7] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[7] = 0x00000000,c4_fltr_config[7] = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        c4_fldenable[8] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[8] = 0x00000000,c4_fltr_config[8] = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        c4_fldenable[9] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[9] = 0x00000000,c4_fltr_config[9] = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        c4_fldenable[10] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[10] = 0x00000000,c4_fltr_config[10] =
0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        c4_fldenable[11] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[11] = 0x00000000,c4_fltr_config[11] =
0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        c4_fldenable[12] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[12] = 0x00000000,c4_fltr_config[12] =
0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        c4_fldenable[13] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[13] = 0x00000000,c4_fltr_config[13] =
0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        c4_fldenable[14] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[14] = 0x00000000,c4_fltr_config[14] =
0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        c4_fldenable[15] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[15] = 0x00000000,c4_fltr_config[15] =
0x00000000
```

```
Filter 16: Not Installed (PERF1)(LISTA)
        c4_fldenable[16] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[16] = 0x00000000,c4_fltr_config[16] =
0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        c4_fldenable[17] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[17] = 0x00000000,c4_fltr_config[17] =
0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        c4_fldenable[18] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[18] = 0x00000000,c4_fltr_config[18] =
0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        c4_fldenable[19] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[19] = 0x00000000,c4_fltr_config[19] =
0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        c4_fldenable[20] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[20] = 0x00000000,c4_fltr_config[20] =
0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        c4_fldenable[21] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[21] = 0x00000000,c4_fltr_config[21] =
0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        c4_fldenable[22] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[22] = 0x00000000,c4_fltr_config[22] =
0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        c4_fldenable[23] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[23] = 0x00000000,c4_fltr_config[23] =
0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        c4_fldenable[24] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[24] = 0x00000000,c4_fltr_config[24] =
0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        c4_fldenable[25] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[25] = 0x00000000,c4_fltr_config[25] =
0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        c4_fldenable[26] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[26] = 0x00000000,c4_fltr_config[26] =
```

```
0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        c4_fldenable[27] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[27] = 0x00000000,c4_fltr_config[27] =
0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        c4_fldenable[28] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[28] = 0x00000000,c4_fltr_config[28] =
0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        c4_fldenable[29] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[29] = 0x00000000,c4_fltr_config[29] =
0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        c4_fldenable[30] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[30] = 0x00000000,c4_fltr_config[30] =
0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        c4_fldenable[31] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[31] = 0x00000000,c4_fltr_config[31] =
0x00000000


Real filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
```

```
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
```

```
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000

Filter dirty indicator: 0x00000000
Performance filters: 0
Port Mirror filters: 0 (0x0)
```

FIELD DATA

Shadowed fields:

fldoffset[0] = 0x00,fldmask[0] = 0x00,fldvalue_dyna[0]:0x00 0x00 0x00 0x00
fldcontrol[0].inuse = 0x0 fldcontrol[0].refcnt = 0x00 0x00 0x00 0x00
fldoffset[1] = 0x00,fldmask[1] = 0x00,fldvalue_dyna[1]:0x00 0x00 0x00 0x00
fldcontrol[1].inuse = 0x0 fldcontrol[1].refcnt = 0x00 0x00 0x00 0x00
fldoffset[2] = 0x00,fldmask[2] = 0x00,fldvalue_dyna[2]:0x00 0x00 0x00 0x00
fldcontrol[2].inuse = 0x0 fldcontrol[2].refcnt = 0x00 0x00 0x00 0x00
fldoffset[3] = 0x00,fldmask[3] = 0x00,fldvalue_dyna[3]:0x00 0x00 0x00 0x00
fldcontrol[3].inuse = 0x0 fldcontrol[3].refcnt = 0x00 0x00 0x00 0x00
fldoffset[4] = 0x00,fldmask[4] = 0x00,fldvalue_dyna[4]:0x00 0x00 0x00 0x00
fldcontrol[4].inuse = 0x0 fldcontrol[4].refcnt = 0x00 0x00 0x00 0x00
fldoffset[5] = 0x00,fldmask[5] = 0x00,fldvalue_dyna[5]:0x00 0x00 0x00 0x00
fldcontrol[5].inuse = 0x0 fldcontrol[5].refcnt = 0x00 0x00 0x00 0x00
fldoffset[6] = 0x00,fldmask[6] = 0x00,fldvalue_dyna[6]:0x00 0x00 0x00 0x00
fldcontrol[6].inuse = 0x0 fldcontrol[6].refcnt = 0x00 0x00 0x00 0x00
fldoffset[7] = 0x00,fldmask[7] = 0x00,fldvalue_dyna[7]:0x00 0x00 0x00 0x00
fldcontrol[7].inuse = 0x0 fldcontrol[7].refcnt = 0x00 0x00 0x00 0x00
fldoffset[8] = 0x00,fldmask[8] = 0x00,fldvalue_dyna[8]:0x00 0x00 0x00 0x00
fldcontrol[8].inuse = 0x0 fldcontrol[8].refcnt = 0x00 0x00 0x00 0x00
fldoffset[9] = 0x00,fldmask[9] = 0x00,fldvalue_dyna[9]:0x00 0x00 0x00 0x00
fldcontrol[9].inuse = 0x0 fldcontrol[9].refcnt = 0x00 0x00 0x00 0x00
fldoffset[10] = 0x00,fldmask[10] = 0x00,fldvalue_dyna[10]:0x00 0x00 0x00 0x00
fldcontrol[10].inuse = 0x0 fldcontrol[10].refcnt = 0x00 0x00 0x00 0x00
fldoffset[11] = 0x00,fldmask[11] = 0x00,fldvalue_dyna[11]:0x00 0x00 0x00 0x00
fldcontrol[11].inuse = 0x0 fldcontrol[11].refcnt = 0x00 0x00 0x00

0x00
fldoffset[12] = 0x00,fldmask[12] = 0x00,fldvalue_dyna[12]:0x00 0x00
0x00 0x00
fldcontrol[12].inuse = 0x0 fldcontrol[12].refcnt = 0x00 0x00 0x00
0x00
fldoffset[13] = 0x00,fldmask[13] = 0x00,fldvalue_dyna[13]:0x00 0x00
0x00 0x00
fldcontrol[13].inuse = 0x0 fldcontrol[13].refcnt = 0x00 0x00 0x00
0x00
fldoffset[14] = 0x00,fldmask[14] = 0x00,fldvalue_dyna[14]:0x00 0x00
0x00 0x00
fldcontrol[14].inuse = 0x0 fldcontrol[14].refcnt = 0x00 0x00 0x00
0x00
fldoffset[15] = 0x00,fldmask[15] = 0x00,fldvalue_dyna[15]:0x00 0x00
0x00 0x00
fldcontrol[15].inuse = 0x0 fldcontrol[15].refcnt = 0x00 0x00 0x00
0x00
fldoffset[16] = 0x00,fldmask[16] = 0x00,fldvalue_dyna[16]:0x00 0x00
0x00 0x00
fldcontrol[16].inuse = 0x0 fldcontrol[16].refcnt = 0x00 0x00 0x00
0x00
fldoffset[17] = 0x00,fldmask[17] = 0x00,fldvalue_dyna[17]:0x00 0x00
0x00 0x00
fldcontrol[17].inuse = 0x0 fldcontrol[17].refcnt = 0x00 0x00 0x00
0x00
fldoffset[18] = 0x00,fldmask[18] = 0x00,fldvalue_dyna[18]:0x00 0x00
0x00 0x00
fldcontrol[18].inuse = 0x0 fldcontrol[18].refcnt = 0x00 0x00 0x00
0x00
fldoffset[19] = 0x00,fldmask[19] = 0x00,fldvalue_dyna[19]:0x00 0x00
0x00 0x00
fldcontrol[19].inuse = 0x0 fldcontrol[19].refcnt = 0x00 0x00 0x00
0x00

Real fields:

fldoffset RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fldmask RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fld value4 RAM:
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000

```
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
Field dirty indicator: 0x00000000

FDB reference count fdb: 0 [0 0 0 0 ]
FDB reference count fdb: 1 [0 0 0 0 ]
FDB reference count fdb: 2 [0 0 0 0 ]
FDB reference count fdb: 3 [0 0 0 0 ]
FDB reference count fdb: 4 [0 0 0 0 ]
FDB reference count fdb: 5 [0 0 0 0 ]
FDB reference count fdb: 6 [0 0 0 0 ]
FDB reference count fdb: 7 [0 0 0 0 ]
FDB reference count fdb: 8 [0 0 0 0 ]
FDB reference count fdb: 9 [0 0 0 0 ]
FDB reference count fdb: 10 [0 0 0 0 ]
FDB reference count fdb: 11 [0 0 0 0 ]
FDB reference count fdb: 12 [0 0 0 0 ]
FDB reference count fdb: 13 [0 0 0 0 ]
FDB reference count fdb: 14 [0 0 0 0 ]
FDB reference count fdb: 15 [0 0 0 0 ]
FDB reference count fdb: 16 [0 0 0 0 ]
FDB reference count fdb: 17 [0 0 0 0 ]
FDB reference count fdb: 18 [0 0 0 0 ]
FDB reference count fdb: 19 [0 0 0 0 ]

Filter counters:
   Filter counter 0: 0  (MIRROR1)
   Filter counter 1: 0  (MIRROR2)
   Filter counter 2: 0  (MIRROR3)
   Filter counter 3: 0  (MIRROR4)
   Filter counter 4: 0  (AEPORT_NON_MIRR_DROP)
   Filter counter 5: 0  (ZONING TRAP)
   Filter counter 6: 0  (FCR_EXPORT_DC)
   Filter counter 7: 0  (TIN TRAP)
   Filter counter 8: 0  (FICON CUP)
   Filter counter 9: 0  (FICON CUP DST)
   Filter counter 10: 0 (WELL KNOWN ADDR)
   Filter counter 11: 0 (SIM)
   Filter counter 12: 0 (UNUSED)
   Filter counter 13: 0 (UNUSED)
   Filter counter 14: 0 (UNUSED)
   Filter counter 15: 0 (UNUSED)
   Filter counter 16: 0 (PERF1)
   Filter counter 17: 0 (PERF2)
   Filter counter 18: 0 (PERF3)
   Filter counter 19: 0 (PERF4)
   Filter counter 20: 0 (PERF5)
   Filter counter 21: 0 (PERF6)
   Filter counter 22: 0 (PERF7)
```

```
   Filter counter 23: 0 (PERF8)
   Filter counter 24: 0 (PERF9)
   Filter counter 25: 0 (PERF10)
   Filter counter 26: 0 (PERF11)
   Filter counter 27: 0 (PERF12)
   Filter counter 28: 0 (OPM1)
   Filter counter 29: 0 (OPM2)
   Filter counter 30: 0 (IPM1)
   Filter counter 31: 0 (IPM2)

               ACL DATA
               --------
Logical port 5: Hard Zoning disabled, Soft Zoning disabled
Zone type: WWN Zoning
Frames with hard zone miss: 0

*** Please use filterportshow on user port 56 to display ACL hash
tables and Mirroring resources of thischip.
 ***We show this data only for the first physical port which is an
exernal port.

portFcPortCmdShow --slot 0 63 3
doing portFcPortCmdShow: arg1 = 3, arg2 = -2

portshow 63
portDisableReason: None
portCFlags: 0x0
portFlags: 0x4021        PRESENT U_PORT DISABLED LED
LocalSwcFlags: 0x0
portType:  26.0
POD Port: Need license to enable the port
portState: 2    Offline
Protocol: FC
portPhys:  2    No_Module       portScn:   2    Offline
port generation number:    0
state transition count:    0

portId:    013f00
portIfId:    43020007
portWwn:   20:3f:d8:1f:cc:2c:99:90
portWwn of device(s) connected:
16b Area list:
Distance:  normal
portSpeed: N32Gbps

FEC: Inactive
Credit Recovery: Inactive
LE domain: 0
Peer beacon: Off
FC Fastwrite: OFF
Interrupts:        0          Link_failure: 0          Frjt:
0
Unknown:           0          Loss_of_sync: 0          Fbsy:
0
```

```
Lli:               0          Loss_of_sig:  0
Proc_rqrd:         0          Protocol_err: 0
Timed_out:         0          Invalid_word: 0
Tx_unavail:        0          Invalid_crc:  0
Delim_err:         0          Address_err:  0
Lr_in:             0          Ols_in:       0
Lr_out:            0          Ols_out:      0


portloginshow 63
Type  PID     World Wide Name        credit df_sz cos
=====================================================


portloginshow 63 -history
 Type  PID      World Wide Name           logout time
============================================================


portregshow 63

LED registers
=============
0x81c3a000: c4_led_status           00000000    0x81c3a004:
c4_led_ctl              00000000

FPL registers
=============
0x81c38200: fpl_port_config         23490000
0x81c3820c: fpl_port_id_ctl         00000000    0x81c38210:
fpl_port_id_addr        00013f00
0x81c38214: fpl_port_speed          00000004    0x81c3821c:
fpl_lli_ctl             00000903
0x81c38228: fpl_lli_os_ctl          bc95b5b5    0x81c3822c:
fpl_lli_send_word       bc95b5b5
0x81c38230: fpl_lli_mark_rx         00000000    0x81c38234:
fpl_lli_rnd_trip_time   00000000
0x81c38238: fpl_lli_ns_status       80070007    0x81c3823c:
fpl_lli_intr_status     80070007
0x81c38244: fpl_lli_def             00000000    0x81c38254:
fpl_lli_intr_enable_clr 00100000
0x81c38258: fpl_err_intr_status     00000000    0x81c38260:
fpl_err_intr_enable_clr 00000000
0x81c38268: fpl_err_first_error     00000000    0x81c3826c:
fpl_speed_neg_ctl       00000000
0x81c38270: fpl_speed_neg_stat      00000000    0x81c38274:
fpl_softasn_ctl         0000000f
0x81c38278: fpl_link_init_ctl       00000000    0x81c3827c:
fpl_link_init_stat      00000000
0x81c38280: fpl_aec_ctl             00051060    0x81c38284:
fpl_aec_ctl2            04009f60
0x81c38288: fpl_pcs_ctl             00000160    0x81c3828c:
fpl_fec_ctl             00000441
0x81c38290: fpl_fec_cor             00000000    0x81c38294:
```

```
fpl_fec_uncor           00000000
0x81c38298: fpl_hss_link_ctl        0031f040    0x81c3829c:
fpl_afifo_link_ctl      00000a86
0x81c382a0: fpl_echo_lb_ctl         0000028c    0x81c382a4:
fpl_scratch             00000121
0x81c382a8: fpl_debug               00030005    0x81c382ac:
fpl_misc_debug          00001800
0x00000000: SW_shadow_reg           00000000    0x00000000:
SW_c4_phyp->cfgptr      00030000

per-fpg (per octet) registers
=============================
0x8180382c: fpg_serdes_ctla0        81a37be7    0x81803830:
fpg_serdes_ctla1        81a37be7
0x81803834: fpg_serdes_ctlb0        81a1c3c3    0x81803838:
fpg_serdes_ctlb1        81a1c3c3
0x8180383c: fpg_serdes_xgmii_1ms    00067c28    0x81803840:
fpg_serdes_regtimctl    40e47946
0x81803844: fpg_serdes_asnrsttimctl 00000102

HSS PLL registers
=============================
0x81803400: 00_hssplla_vco_coarse_cal0      00000000    0x81803404:
01_hssplla_vco_coarse_cal1      00000014
0x81803408: 02_hssplla_vco_coarse_cal2      00000000    0x8180340c:
03_hssplla_vco_coarse_cal3      00000000
0x81803410: 04_hssplla_vco_coarse_cal4      00000000    0x81803424:
09_hssplla_power_ctl            00000000
0x81803428: 0A_hssplla_charge_pump_ctl      00000004    0x81803438:
0E_hssplla_pll_misc_ctl         00000000
0x8180343c: 0F_hssplla_pclk_ctl             000000f8    0x81803440:
10_hssplla_eyem_intv_ctl        00000000
0x81803444: 11_hssplla_eyem_intv_lim1       00000000    0x81803448:
12_hssplla_eyem_intv_lim2       00000000
0x8180344c: 13_hssplla_eyem_intv_lim3       00000000    0x81803450:
14_hssplla_eyem_intv_lim4       00000000
0x818034f0: 3C_hssplla_macro_tst_ctl4       00000000    0x818034f4:
3D_hssplla_macro_tst_ctl3       00000000
0x818034f8: 3E_hssplla_macro_tst_ctl2       00000000    0x818034fc:
3F_hssplla_macro_tst_ctl1       00000000
0x81803500: 00_hssplb_vco_coarse_cal0       0000000a    0x81803504:
01_hssplb_vco_coarse_cal1       00000014
0x81803508: 02_hssplb_vco_coarse_cal2       00000000    0x8180350c:
03_hssplb_vco_coarse_cal3       00000000
0x81803510: 04_hssplb_vco_coarse_cal4       00000000    0x81803524:
09_hssplb_power_ctl             00000000
0x81803528: 0A_hssplb_charge_pump_ctl       00000004    0x81803538:
0E_hssplb_pll_misc_ctl          00000000
0x8180353c: 0F_hssplb_pclk_ctl              000000f8    0x81803540:
10_hssplb_eyem_intv_ctl         00000000
0x81803544: 11_hssplb_eyem_intv_lim1        00000000    0x81803548:
12_hssplb_eyem_intv_lim2        00000000
0x8180354c: 13_hssplb_eyem_intv_lim3        00000000    0x81803550:
14_hssplb_eyem_intv_lim4        00000000
```

```
0x818035f0: 3C_hsspllb_macro_tst_ctl4       00000000    0x818035f4:
3D_hsspllb_macro_tst_ctl3       00000000
0x818035f8: 3E_hsspllb_macro_tst_ctl2       00000000    0x818035fc:
3F_hsspllb_macro_tst_ctl1       00000000

HSS TX registers
================
0x81802500: 00_hsstx_cfg_mode_PHY           00009f48    0x81802504:
01_hsstx_test_ctl               00000000
0x81802508: 02_hsstx_coeff_ctl_INV          00000000    0x8180250c:
03_hsstx_drv_mode_ctl           00000000
0x81802510: 04_hsstx_drv_ovrd_ctl           00000010    0x81802514:
05_hsstx_dclk_align_ovrd        00000080
0x81802518: 06_hsstx_imp_cal_ovrd           00000c0c    0x8180251c:
07_hsstx_dclk_drift_tol         00000004
0x81802520: 08_hsstx_tap0_coeff_TUNE        00000000    0x81802524:
09_hsstx_tap1_coeff_TUNE        00000003
0x81802528: 0A_hsstx_tap2_coeff_TUNE        00000018    0x8180252c:
0B_hsstx_tap3_coeff_TUNE        0000000d
0x81802534: 0D_hsstx_pol_INV                0000000a    0x81802538:
0E_hsstx_ae_cmd                 00000000
0x8180253c: 0F_hsstx_ae_stat                00000000    0x81802540:
10_hsstx_ae_tap0_TUNE           00000000
0x81802544: 11_hsstx_ae_tap1_TUNE           00000000    0x81802548:
12_hsstx_ae_tap2_TUNE           00000028
0x8180254c: 13_hsstx_ae_tap3_TUNE           00000000    0x81802554:
15_hsstx_app_tune               0000120e
0x81802558: 16_hsstx_analog_diag            00000000    0x81802560:
18_hsstx_4x_seg_app             0000aafa
0x81802564: 19_hsstx_2x_seg_app             00000000    0x81802568:
1A_hsstx_1x_seg_app             0000ff5d
0x8180256c: 1B_hsstx_seg_4x_term_app        00000000    0x81802570:
1C_hsstx_seg_2x1x_term_app      00000f00
0x81802574: 1D_hsstx_tap_sign_app           0000000a    0x81802578:
1E_hsstx_ext_addr_data          00000001
0x8180257c: 1F_hsstx_ext_addr_addr          00000000    0x81802580:
20_hsstx_pat_buf_bytes_1_0      00000000
0x81802584: 21_hsstx_pat_buf_bytes_3_2      00000000    0x81802588:
22_hsstx_pat_buf_bytes_5_4      00000000
0x8180258c: 23_hsstx_pat_buf_bytes_7_6      00000000    0x8180259c:
27_hsstx_8023az_ctl             00000000
0x818025a0: 28_hsstx_dcc_ctl                000060c0    0x818025a4:
29_hsstx_dcc_ovrd               00000000
0x818025a8: 2A_hsstx_dcc_app                00000102    0x818025ac:
2B_hsstx_dcc_timeout            0000ffff
0x818025c0: 30_hsstx_tap_sign_ovrd          00000000    0x818025c8:
32_hsstx_seg_4x_ovrd            00000000
0x818025cc: 33_hsstx_seg_2x_ovrd            00000000    0x818025d0:
34_hsstx_seg_1x_ovrd            00000000
0x818025d8: 36_hsstx_tap_seg_4x_term_ovrd   00000000    0x818025dc:
37_hsstx_tap_seg_2x_term_ovrd   00000000
0x818025e0: 38_hsstx_tap_seg_1x_term_ovrd   00000000    0x818025ec:
3B_hsstx_mac_test_ctl5          00000000
0x818025f0: 3C_hsstx_mac_test_ctl4          00000000    0x818025f4:
```

```
3D_hsstx_mac_test_ctl3          00000000
0x818025f8: 3E_hsstx_mac_test_ctl2          00000000    0x818025fc:
3F_hsstx_mac_test_ctl1          000000c6

HSS RX registers
================
0x81802700: 00_hssrx_cfg_mode_PHY           00009e78    0x81802704:
01_hssrx_test_ctl               00000000
0x81802708: 02_hssrx_phs_rot_ctl            0000cb80    0x8180270c:
03_hssrx_phs_rot_ofs_ctl        00003610
0x81802710: 04_hssrx_phs_rot_posn1          00001818    0x81802714:
05_hssrx_phs_rot_posn2          00000006
0x81802718: 06_hssrx_phs_rot_sta_ofs1       00000f1f    0x8180271c:
07_hssrx_phs_rot_sta_ofs2       0000001f
0x81802720: 08_hssrx_dfe_ctl_PHY            00002002    0x81802724:
09_hssrx_dfe_smpl_snap1         00000000
0x81802728: 0A_hssrx_dfe_smpl_snap2         00008000    0x8180272c:
0B_hssrx_vga_ctl1               000041fc
0x81802730: 0C_hssrx_vga_ctl2               00007aa0    0x81802734:
0D_hssrx_vga_ctl3               000009e4
0x81802738: 0E_hssrx_pwr_mgmnt_ctl          0000001f    0x8180273c:
0F_hssrx_iqamp_ctl1             0000001a
0x81802740: 10_hssrx_iqamp_ctl2             00000007    0x81802744:
11_hssrx_dacap_dacan_sel        00000003
0x81802748: 12_hssrx_dacap_dacan            00000001    0x8180274c:
13_hssrx_daca_min               00000000
0x81802750: 14_hssrx_adac_ctl               00000000    0x81802754:
15_hssrx_ac_cp_ctl              000031c3
0x81802758: 16_hssrx_ac_cp_val              00008054    0x8180275c:
17_hssrx_dfe_h1h2h3_lcl_off_ch  00000014
0x81802760: 18_hssrx_dfe_h1h2h3_lcl_off_val 00000000    0x81802764:
19_hssrx_peaked_intg            000000ff
0x81802768: 1A_hssrx_cdr_analog_sw          0000ce00    0x8180276c:
1B_hssrx_peaking_amp_init_c_PHY 00000000
0x81802770: 1C_hssrx_dac_dpc                00000040    0x81802774:
1D_hssrx_ddc                    00000000
0x81802778: 1E_hssrx_int_stat_PHY           00000c0f    0x8180277c:
1F_hssrx_dfe_func_ctl1_PHY      0000ffff
0x81802780: 20_hssrx_dfe_func_ctl2_INV      00007eff    0x81802784:
21_hssrx_ofs_ch_dcc_qcc_idx     00002000
0x81802788: 22_hssrx_dfe_ofs_val            00000379    0x8180278c:
23_hssrx_h_coeff_bist           00000401
0x81802790: 24_hssrx_ac_cap_bist            00000000    0x81802794:
25_hssrx_max_gain_path_idx_res  00007800
0x81802798: 26_hssrx_loff_ctl               00000040    0x8180279c:
27_hssrx_sigdet_ctl             00004880
0x818027a0: 28_hssrx_ana_ctl_sw             00000000    0x818027a4:
29_hssrx_intg_dac_ofs           0000dfe3
0x818027a8: 2A_hssrx_eye_ctl                00000000    0x818027ac:
2B_hssrx_eye_met                00000004
0x818027b0: 2C_hssrx_eye_met_err_cnt        00000000    0x818027b4:
2D_hssrx_eye_met_pdf_eyec       00000000
0x818027b8: 2E_hssrx_eye_met_pat_len        0000007f    0x818027bc:
2F_hssrx_dfe_func_ctl3          0000dfff
```

```
0x818027c0: 30_hssrx_dfe_tap_ctl_idx_ptr    00000008    0x818027c4:
31_hssrx_dfe_tap                00003030
0x818027c8: 32_hssrx_lte_ctl_TUNE           00001601    0x818027e4:
39_hssrx_int_stat2              0000c1ff
0x818027e8: 3A_hssrx_ac_cpl_cur_src_adj     00000043    0x818027ec:
3B_hssrx_dcd_ctl                00007c49
0x818027f0: 3C_hssrx_dcc_ctl                00000d41    0x818027f4:
3D_hssrx_qcc_ctl                00006981
0x818027f8: 3E_hssrx_mac_test_ctl2          00000000    0x818027fc:
3F_hssrx_mac_test_ctl1          00000000
0x81802748: 12_hssrx_dacap_dacan[02]                0100 0001
0x81802760: 18_hssrx_dfe_h1h2h3_lcl_off_va[00]      0000 0000   0000
0000   0000 0000   0000 0000
0x81802760: 18_hssrx_dfe_h1h2h3_lcl_off_va[08]      0000 0000   0000
0000   0000 0000   0000 0000
0x81802760: 18_hssrx_dfe_h1h2h3_lcl_off_va[16]      0000 0000   0000
0000   0000
0x81802788: 22_hssrx_dfe_ofs_val[00][00]            0379 7f00   7a09
007f   7e05 007e
0x81802788: 22_hssrx_dfe_ofs_val[03][00]            7901 007f   7f7b
7f00   7909 007f
0x81802788: 22_hssrx_dfe_ofs_val[06][00]            0b7b 7f00   097d
7f7f   0303 7f7f
0x81802788: 22_hssrx_dfe_ofs_val[09][00]            0707 7f7f   030b
7f7f   7d79 0000
0x81802788: 22_hssrx_dfe_ofs_val[12][00]            7b06 007f   0303
7f7f   7f79 7f00
0x81802788: 22_hssrx_dfe_ofs_val[15][00]            037e 7f00   0305
7f7f   0f7e 7f00
0x81802788: 22_hssrx_dfe_ofs_val[18][00]            037f 0000   0306
7f7f   0001 007f
0x81802788: 22_hssrx_dfe_ofs_val[21][00]            0001 007f   0001
007f   0001 007f
0x81802788: 22_hssrx_dfe_ofs_val[24][00]            7e79 7f00   7a03
007f   7f7b 0000
0x81802794: 25_hssrx_max_gain_path_idx_res[00]      005c 0846   1112
18a8   20cf 28aa   308f 3800
0x81802794: 25_hssrx_max_gain_path_idx_res[08]      40af 488a   507b
5801   6040 6802   7000 7800
0x818027c4: 31_hssrx_dfe_tap[00]                    fffe 8181   0000
0000   0030 0030   3030 3030
0x818027c4: 31_hssrx_dfe_tap[08]                    3030 3030   3030
0000
0x818027e8: 3A_hssrx_ac_cpl_cur_src_adj[00]         0043 0043   0043
0043
0x818027ec: 3B_hssrx_dcd_ctl[00]                    7c49 5c00   7c43
5c00   7c44
0x818027f0: 3C_hssrx_dcc_ctl[00]                    0d41 0d82   0d83
0d00
0x818027f4: 3D_hssrx_qcc_ctl[00]                    6945 6981

xfipcs, fec, aec, & aet registers
=================================
0x81c38400: xfipcs_reg              [00] 00002040 00000080 00000000
```

```
00000000    00000001 00000008 00000000 00000000
0x81c38420: xfipcs_reg              [08] 00008c01 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c38440: xfipcs_reg              [16] 00000000 00000000 00000000
00000000    00000040 00000000 00000000 00000000
0x81c38460: xfipcs_reg              [24] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c38480: xfipcs_reg              [32] 00000004 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c38620: fec_32g_128g_reg        [08] 00000000 00000000 00000000
00000000    00000000 00000000 00000000
0x81c38648: fec_32g_128g_reg        [18] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c38a00: aec_reg                 [00] 00000000 00000000 00000000
00000000    00000000 00000000 00000000 00000000
0x81c38c00: aet_reg                 [00] 00000000 00000000 00000000
00000000    00000000

bbc registers
=============
0x81c39800: bbc_trc                 0    0    0    0    0    0    0
0
0x81c39840: bbc_trc                 0    0    0    0    0    0    0
0
0x81c39880: bbc_trc                 0    0    0    0    0    0    0
0
0x81c398c0: bbc_trc                 0    0    0    0    0    0    0
0
0x81c39900: bbc_trc                 0    0    0    0    0    0    0
0
0x81c39804: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c39844: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c39884: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c398c4: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c39904: bbc_mbc                 0    0    0    0    0    0    0
0
0x81c39a00: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c39a20: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c39a40: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c39a60: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c39a80: bbc_rcc                 0    0    0    0    0    0    0
0
0x81c39c00: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c39c20: bbc_rqc                 0    0    0    0    0    0    0
0
```

```
0x81c39c40: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c39c60: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c39c80: bbc_rqc                 0    0    0    0    0    0    0
0
0x81c39d00: bbc_fbpc                00000000    0x81c39d04: bbc_csc
00000000
0x81c39d08: bbc_rcc_inc             00000000    0x81c39d0c:
bbc_rqc_inc             00000000
0x81c39d10: bbc_fbpc_inc            00000000    0x81c39d14:
bbc_tmc_inc             00000000
0x81c39d18: bbc_threshold           00080100    0x81c39d1c:
bbc_counter_clr         00000000
0x81c39d20: bbc_debug_en            00000000    0x81c39d24: bbc_ctrl
00200020
0x81c39d28: bbc_rqc_rcc_thresh      00000055    0x81c39d34:
bbc_bb_sc_n             00000000
0x81c39d38: bbc_crd_reco_debug      00000000    0x81c39d3c:
bbc_crd_reco_debug_data 00000000
0x81c39d40: bbc_multi_frm_loss_cnt  00000000    0x81c39d44:
bbc_multi_rdy_loss_cnt  00000000
0x81c39d48: bbc_1frm_loss_recov_cnt 00000000    0x81c39d4c:
bbc_1rdy_loss_recov_cnt 00000000
0x81c39d58: bbc_int_status          00000000    0x81c39d5c:
bbc_int_set             00000000
0x81c39d60: bbc_int_first           00000000    0x81c39d64:
bbc_frm_rdy_rx_err_addr 00000000
0x81c39d68: bbc_frm_rdy_tx_err_addr 00000000    0x81c39d6c:
bbc_trc_mbc_err_addr    00000000
0x81c39d70: bbc_frm_rdy_rx_dbl_ecc  00000000    0x81c39d74:
bbc_frm_rdy_tx_dbl_ecc  00000000
0x81c39d78: bbc_trc_mbc_dbl_ecc     00000000
0x81c39d7c: bbc_fsm_status          00001011    0x81c39d80:
bbc_force_err           00000000
0x81c39d84: bbc_crdt_avail0         ffffffff    0x81c39d88:
bbc_crdt_avail1         000000ff
0x81c39d8c: bbc_scratch             00000000

FPS registers
=============
0x81c38004: fps_er_enc_in           00000000    0x81c38008:
fps_er_crc              00000000
0x81c3800c: fps_er_trunc            00000000    0x81c38010:
fps_er_toolong          00000000
0x81c38014: fps_er_bad_eof          00000000    0x81c38018:
fps_er_enc_out          00000000
0x81c3801c: fps_er_bad_os           00000000    0x81c38020:
fps_er_flush            00000000
0x81c38024: fps_er_ifg              00000000    0x81c38038:
fps_er_crc_good_eof     00000000
0x81c3803c: fps_inv_arb             00000000    0x81c38040:
fps_slow_sts_status     00000000
0x81c38044: fps_tx_frm_cnt          00000000    0x81c38048:
```

```
fps_rx_frm_cnt          00000000
0x81c38050: fps_tx_word_cnt_hi      00000000    0x81c3804c:
fps_tx_word_cnt_lo      00000000
0x81c38058: fps_rx_word_cnt_hi      00000000    0x81c38054:
fps_rx_word_cnt_lo      00000000

BAL registers
=============
0x81c3f000: bal_desired_buf         00000000    0x81c3f004:
bal_alloc_buf           00000000
0x81c3f008: bal_busy_buf            00000000    0x81c3f00c:
bal_usable_buf          00000000
0x81c3f010: bal_max_bor_buf         00000000
0x81c3f014: bal_busy_buf_thresh     00000002

TXQ registers
=============
0x81c3b004: txq_phys_port_ctl       00470000
0x81c3b050: txq_link_skew           00000000
0x81c3b068: txq_cr_lk_dttn_intr_sts [00] 00000000 00000000
0x81c3b070: txq_cr_lk_dttn_intr_en  [00] 00000000 00000000
0x81c3b024: txq_disc_frm_trap_cnt   00000014

FDS registers
=============
0x81c3c000: fds_rxf_ctl             00000002    0x81c3c004:
fds_rxf_wait_thresh     00000909
0x81c3c018: fds_rxf_first_error     00000000    0x81c3c01c:
fds_rxf_first_error_info00000000
0x81c3c020: fds_rxf_inout_pkt_cnt   00000000
0x81c3c008: fds_rxf_err_int_status  00000000    0x81c3c024:
fds_rxf_fifo_status     00888888
0x81c3d000: fds_txf_ctl             0000003a    0x81c3d004:
fds_txf_wait_ifg_thresh 00a00106
0x81c3d008: fds_txf_err_int_status  00000000    0x81c3d024:
fds_txf_fifo_status     00088888
0x81c3d02c: fds_txf_bbc_scs         00000000

Logical TXQ registers
=====================
0x81c3b000: txq_log_port_ctl        00000002    0x81c3b008:
txq_port_status         00000000
0x81c3b00c: txq_todo_flags          [00] 00000000 00000000
0x81c3b014: txq_spd_match_desc      [00] 00000000 00000000 00000000
00000000
0x81c3b024: txq_spd_match_desc      [04] 00000014
0x81c3b028: txq_vc_weight           [00] 01010101 01010101 01010101
01010101
0x81c3b038: txq_vc_weight           [04] 01010101 01010101 01010101
01010101
0x81c3b048: txq_vc_weight           [08] 01010101 00010101
0x81c3b054: txq_cong_dttn_ctrl      00000000
0x81c3b058: txq_cong_dttn_intr_sts  [00] 00000000 00000000
0x81c3b060: txq_cong_dttn_intr_en   [00] 00000000 00000000
```

```
0x81c3b078: txq_bw_limit_en_reg     [00] 00000000 00000000
0x81c3b080: txq_bw_gua_en_reg       [00] 00000000 00000000
0x81c3b088: txq_vc_group            [00] 03030300 03030303 03030303
03030303
0x81c3b098: txq_vc_group            [04] 03030303 03030303 03030303
03030303
0x81c3b0a8: txq_vc_group            [08] 03030303 03030303 00000000
00000000
0x81c3b0b0: txq_bw_thresh_group     [00] 00000000 00000000 00000000
00000000
0x81c3b0c0: txq_bw_thresh_group     [04] 00000000 00000000 00000000
00000000
0x81c3b0d0: txq_bw_thresh_group     [08] 00000000 00000000 00000000
00000000
0x81c3b0e0: txq_bw_thresh_group     [12] 00000000 00000000 00000000
00000000
0x81c3b0f0: txq_bw_thresh_group     [16] 00000000 00000000 00000000
00000000
0x81c3b100: txq_bw_thresh_group     [20] 00000000 00000000 00000000
00000000
0x81c3b110: txq_bw_thresh_group     [24] 00000000 00000000 00000000
00000000
0x81c3b120: txq_bw_thresh_group     [28] 00000000 00000000 00000000
00000000
0x81c3b130: txq_bw_thresh_group     [32] 00000000 00000000 00000000
00000000
0x81c3b140: txq_bw_thresh_group     [36] 00000000 00000000 00000000
00000000

txq Congestion detection Statistics RAM
=======================================
0x81090460: vc[0]       00000000        0x81090464: vc[1]
00000000
0x81090468: vc[2]       00000000        0x8109046c: vc[3]
00000000
0x81090470: vc[4]       00000000        0x81090474: vc[5]
00000000
0x81090478: vc[6]       00000000        0x8109047c: vc[7]
00000000
0x81090480: vc[8]       00000000        0x81090484: vc[9]
00000000
0x81090488: vc[10]      00000000        0x8109048c: vc[11]
00000000
0x81090490: vc[12]      00000000        0x81090494: vc[13]
00000000
0x81090498: vc[14]      00000000        0x8109049c: vc[15]
00000000
0x810904a0: vc[16]      00000000        0x810904a4: vc[17]
00000000
0x810904a8: vc[18]      00000000        0x810904ac: vc[19]
00000000
0x810904b0: vc[20]      00000000        0x810904b4: vc[21]
00000000
0x810904b8: vc[22]      00000000        0x810904bc: vc[23]
```

```
00000000
0x810904c0: vc[24]      00000000        0x810904c4: vc[25]
00000000
0x810904c8: vc[26]      00000000        0x810904cc: vc[27]
00000000
0x810904d0: vc[28]      00000000        0x810904d4: vc[29]
00000000
0x810904d8: vc[30]      00000000        0x810904dc: vc[31]
00000000
0x810904e0: vc[32]      00000000        0x810904e4: vc[33]
00000000
0x810904e8: vc[34]      00000000        0x810904ec: vc[35]
00000000
0x810904f0: vc[36]      00000000        0x810904f4: vc[37]
00000000
0x810904f8: vc[38]      00000000        0x810904fc: vc[39]
00000000


Logical STS registers
=====================
0x815845c4: sts_ftb_type1_miss      00000000
0x815845c8: sts_ftb_type2_miss      00000000
0x815845cc: sts_ftb_type6_miss      00000000
0x815845d0: sts_hard_zoning_miss    00000000
0x815845d4: sts_lun_zoning_miss     00000000
0x815845dc: sts_unroutable          00000000
0x815815f4: sts_rte_cl2             00000000    0x815815f8:
sts_rte_cl3             00000000        0x815815fc: sts_rte_link_ctl
00000000        0x815845e8: sts_tx_timeout          00000000

Logical STS filter registers
=====================
0x81584540: sts_flt_trig            [00] 00000000 00000000 00000000
00000000
0x81584550: sts_flt_trig            [04] 00000000 00000000 00000000
00000000
0x81584560: sts_flt_trig            [08] 00000000 00000000 00000000
00000000
0x81584570: sts_flt_trig            [12] 00000000 00000000 00000000
00000000
0x81584580: sts_flt_trig            [16] 00000000 00000000 00000000
00000000
0x81584590: sts_flt_trig            [20] 00000000 00000000 00000000
00000000
0x815845a0: sts_flt_trig            [24] 00000000 00000000 00000000
00000000
0x815845b0: sts_flt_trig            [28] 00000000 00000000 00000000
00000000
0x815845c0: sts_flt_trig            [32]

Logical STS discard registers
=====================
0x81581a2c: disc_mcast_wka          00000000    0x81581a30:
```

```
disc_inv_did            00000000
0x81581a34: disc_cl1_cl4            00000000    0x81581a38:
disc_sid_chk_fail       00000000
0x81581a3c: disc_inv_dom_egid_txpt  00000000    0x81581a40:
disc_vft_hop_cnt_1      00000000
0x81581a44: disc_classf             00000000    0x81581a48:
disc_fcp_cdb_inv        00000000
0x81581a4c: disc_vfid_trap_enabled  00000000    0x81581a50:
disc_vfid_hdr_chk_fail  00000000
0x81581a54: disc_shim_cksum_fail    00000000    0x81581a58:
disc_fed_edit_cmd_err   00000000
0x81581a5c: disc_ftb_vm_mode        00000000    0x81581a60:
disc_ftb_agn_t2_miss    00000000
0x81581a64: disc_ecb_reserved       00000000    0x81581a68:
disc_ecb_de_pad_err     00000000
0x81581a6c: disc_ecb_de_tag_err     00000000    0x81581a70:
disc_ecb_de_seq_err     00000000
0x81581a74: disc_ecb_err            00000000    0x81581a78:
disc_ftb_type4_match    00000000
0x81581a7c: disc_fcp_rsp_ftb_type4  00000000    0x81581a80:
disc_ftb_type5_match    00000000
0x81581a84: disc_ftb_type3_match    00000000    0x81581a88:
disc_els_ftb_type3      00000000
0x81581a8c: disc_ftb_type1_match    00000000    0x81581a90:
disc_els_rsp_ex_port    00000000
0x81581a94: disc_inv_drp_dps        00000000    0x81581a98:
disc_did_lookup_miss    00000000
0x81581a9c: disc_ftb_type2_match    00000000    0x81581aa0:
disc_trpd_plogi_pdisc   00000000
0x81581aa4: disc_type2_lookup_miss  00000000    0x81581aa8:
disc_ftb_type6_match    00000000
0x81581aac: disc_els_rep_ex_port    00000000    0x81581ab0:
disc_els_sid_lkup_bit1  00000000
0x81581ab4: disc_els_sid_lkup_bit0  00000000    0x81581ab8:
disc_bls_frm_trap_bit1  00000000
0x81581abc: disc_ftb_token_err      00000000    0x81581ac0:
disc_asic_internal_err  00000000
0x81581ac4: disc_hard_zone_miss     00000000    0x81581ac8:
disc_lun_zone_miss      00000000
0x81581acc: disc_flt_frame_disc     00000000    0x81581ad0:
disc_flt_parity_err     00000000
0x81581ad4: disc_frame_marked_du    00000000    0x81581ad8:
disc_frame_marked_to    00000000
0x81581adc: disc_lkup_rte_prty_err  00000000


portstatsshow 63
stat_wtx                0                   4-byte words transmitted
stat_wrx                0                   4-byte words received
stat_ftx                0                   Frames transmitted
stat_frx                0                   Frames received
stat_c2_frx             0                   Class 2 frames received
stat_c3_frx             0                   Class 3 frames received
stat_lc_rx              0                   Link control frames
```

```
received
stat_mc_rx              0                   Multicast frames
received
stat_mc_to              0                   Multicast timeouts
stat_mc_tx              0                   Multicast frames
transmitted
tim_txcrd_z             0                   Time TX Credit Zero
(2.5Us ticks)
tim_txcrd_z_vc  0- 3:  0           0           0           0
tim_txcrd_z_vc  4- 7:  0           0           0           0
tim_txcrd_z_vc  8-11:  0           0           0           0
tim_txcrd_z_vc 12-15:  0           0           0           0
lat_tot_pkt_vc  0- 3:  1           1           1           1
lat_tot_pkt_vc  4- 7:  1           1           1           1
lat_tot_pkt_vc  8-11:  1           1           1           1
lat_tot_pkt_vc 12-15:  1           1           1           1
lat_hi_time_vc  0- 3:  0           0           0           0
lat_hi_time_vc  4- 7:  0           0           0           0
lat_hi_time_vc  8-11:  0           0           0           0
lat_hi_time_vc 12-15:  0           0           0           0
lat_lo_time_vc  0- 3:  1           1           1           1
lat_lo_time_vc  4- 7:  1           1           1           1
lat_lo_time_vc  8-11:  1           1           1           1
lat_lo_time_vc 12-15:  1           1           1           1
max_latency_vc  0- 3:  1           1           1           1
max_latency_vc  4- 7:  1           1           1           1
max_latency_vc  8-11:  1           1           1           1
max_latency_vc 12-15:  1           1           1           1
latency_dma_ts          09-09-2024 UTC Mon 08:47:27            TXQ
Latency DMA TimeStamp
fec_cor_detected        0                   Count of blocks that
were corrected by FEC
fec_uncor_detected      0                   Count of blocks that
were left uncorrected by FEC
er_enc_in               0                   Encoding errors inside
of frames
er_crc                  0                   Frames with CRC errors
er_trunc                0                   Frames shorter than
minimum
er_toolong              0                   Frames longer than
maximum
er_bad_eof              0                   Frames with bad end-of-
frame
er_enc_out              0                   Encoding error outside
of frames
er_bad_os               0                   Invalid ordered set
er_pcs_blk              0                   PCS block errors
er_rx_c3_timeout        0                   Class 3 receive frames
discarded due to timeout
er_tx_c3_timeout        0                   Class 3 transmit frames
discarded due to timeout
er_unroutable           0                   Frames that are
unroutable
er_unreachable          0                   Frame with unreachable
```

```
destination
er_other_discard        0                   Other discards
er_type1_miss           0                   frames with FTB type 1
miss
er_type2_miss           0                   frames with FTB type 2
miss
er_type6_miss           0                   frames with FTB type 6
miss
er_zone_miss            0                   frames with hard zoning
miss
er_lun_zone_miss        0                   frames with LUN zoning
miss
er_crc_good_eof         0                   Crc error with good eof
er_inv_arb              0                   Invalid ARB
er_single_credit_loss   0                   Single vcrdy/frame loss
on link
er_multi_credit_loss    0                   Multiple vcrdy/frame
loss on link
other_credit_loss       0                   Link timeout/complete
credit loss
phy_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
phy_port stats clear
lgc_stats_clear_ts      09-06-2024 UTC Fri 08:30:19     Timestamp of
lgc_port stats clear
fec_corrected_rate      0                   FEC Corrected blocks per
second

portstats64show 63
stat64_wtx      0           top_int : 4-byte words transmitted
                0           bottom_int : 4-byte words transmitted
stat64_wrx      0           top_int : 4-byte words received
                0           bottom_int : 4-byte words received
stat64_ftx      0           top_int : Frames transmitted
                0           bottom_int : Frames transmitted
stat64_frx      0           top_int : Frames received
                0           bottom_int : Frames received
stat64_c2_frx   0           top_int : Class 2 frames received
                0           bottom_int : Class 2 frames received
stat64_c3_frx   0           top_int : Class 3 frames received
                0           bottom_int : Class 3 frames received
stat64_lc_rx    0           top_int : Link control frames received
                0           bottom_int : Link control frames
received
stat64_mc_rx    0           top_int : Multicast frames received
                0           bottom_int : Multicast frames received
stat64_mc_to    0           top_int : Multicast timeouts
                0           bottom_int : Multicast timeouts
stat64_mc_tx    0           top_int : Multicast frames transmitted
                0           bottom_int : Multicast frames
transmitted
tim64_rdy_pri   0           top_int : Time R_RDY high priority
                0           bottom_int : Time R_RDY high priority
tim64_txcrd_z   0           top_int : Time BB_credit zero
                0           bottom_int : Time BB_credit zero
```

```
er64_enc_in     0           top_int : Encoding errors inside of
frames
                0           bottom_int : Encoding errors inside of
frames
er64_crc        0           top_int : Frames with CRC errors
                0           bottom_int : Frames with CRC errors
er64_trunc      0           top_int : Frames shorter than minimum
                0           bottom_int : Frames shorter than minimum
er64_toolong    0           top_int : Frames longer than maximum
                0           bottom_int : Frames longer than maximum
er64_bad_eof    0           top_int : Frames with bad end-of-frame
                0           bottom_int : Frames with bad end-of-
frame
er64_enc_out    0           top_int : Encoding error outside of
frames
                0           bottom_int : Encoding error outside of
frames
er64_disc_c3    0           top_int : Class 3 frames discarded
                0           bottom_int : Class 3 frames discarded
er64_pcs_blk    0           top_int : PCS block errors
                0           bottom_int : PCS block errors
stat64_rateTxFrame      0           Tx frame rate (fr/sec)
stat64_rateRxFrame      0           Rx frame rate (fr/sec)
stat64_rateTxPeakFrame  0           Tx peak frame rate (fr/sec)
stat64_rateRxPeakFrame  0           Rx peak frame rate (fr/sec)
stat64_rateTxWord       0           Tx Word rate (words/sec)
stat64_rateRxWord       0           Rx Word rate (words/sec)
stat64_rateTxPeakWord   0           Tx peak Word rate (words/sec)
stat64_rateRxPeakWord   0           Rx peak Word rate (words/sec)
stat64_PRJTFrames       0           top_int : Number of PRJT frames
returned to this port
                        0           bottom_int : Number of PRJT
frames returned to this port
stat64_PBSYFrames       0           top_int : Number of PBSY frames
returned to this port
                        0           bottom_int : Number of PBSY
frames returned to this port
stat64_inputBuffersFull 0           top_int : Number of occurrences
when all input buffers full
                        0           bottom_int : Number of
occurrences when all input buffers full
stat64_rxClass1Frames   0           top_int : Number of class 1
frames received
                        0           bottom_int : Number of class 1
frames received
stat64_aveTxFrameSize   0           Average Tx Frame size
stat64_aveRxFrameSize   0           Average Rx Frame size
Lr_in           0           top_int
                0           bottom_int
Ols_in          0           top_int
                0           bottom_int
Lr_out          0           top_int
                0           bottom_int
Ols_out         0           top_int
```

```
                0           bottom_int
Link_failure    0           top_int
                0           bottom_int
Invalid_CRC     0           top_int
                0           bottom_int
Invalid_word    0           top_int
                0           bottom_int
Protocol_err    0           top_int
                0           bottom_int
Loss_of_sig     0           top_int
                0           bottom_int
Loss_of_sync    0           top_int
                0           bottom_int
er_bad_os       0           top_int : Invalid ordered set
                0           bottom_int: Invalid ordered set


portrouteshow 63
port address ID: 0x013f00
external unicast routing table:
   0: Embedded
 255: Embedded
internal unicast routing table:
   0: Embedded

portcamshow 63
-------------------------------------------------
Port  SID used  DID used  SID entries  DID entries
63     0         0         000000       000000
-------------------------------------------------

ptbufshow, ptcreditshow, ptdatashow, ptstatsshow 63
S:
S:VF Enable:            1
S:
S:C4 Global Variable:
S:-------------------------------------------------------------------
---------
S:trace_stop:           0
S:
S:C4 Phy Data Pointers: c4_phyp = 0xb6ac0000
S:-------------------------------------------------------------------
---------
S:tnodep                        0xbb833000      pt
        0x43028007
S:proto_phyp            0xb8807120      phy_cfg
0xb6ac1040
S:c4_chp                        0x97e28000      c4_lgcp
0x97f64000
S:c4_phy_regp           0x81c38000      proc_dir
0xb8514dc0
S:-------------------------------------------------------------------
---------
S:magic_id              0xc4345678      num_port_timer          12
```

```
S:prev_if_id            0x43020007      S:ftx                   0
        tov                     0
S:initialized           0               port_idx                7
S:ui_idx                        63              slot_no
        0
S:blade_idx             7               sw_usr_ports            400
S:unused                        0               intr_debounced
        0
S:aec_status            0x0             reason_code
        0
S:debug                 0x00000004      debug_trc_line          0
S:rxbuf_list_head       0xffffffff      rxbuf_list_tail
0xffffffff
S:isAePort                      0               port_misc_data
                0
S:num_fault1_rx_disc    0               num_fault2_rx_disc      0
S:p_lli_cause0          0               p_sig_regained          0
S:p_sync_regained               0               enc_out
        0x0
S:cached_fps_status     0               cached_sts_status       0
S:cached_er_crc_good_eof        0
S:cached_er_bad_os      0               cached_er_too_long      0
S:cached_er_trunc       0
cached_tot_er_crc_good_eof      0
S:num_pt_excess_intr    0               num_no_fid              0
S:num_fault1_cnt                0               num_fault2_cnt
        0
S:num_fault_lip         0               num_fault_lli           0
S:num_fault_rx_fifo     0               num_fault_hss           0
S:num_fault_bwait               0               lli_intr_prim
        0
S:num_sw_link_to                0
be_link_err_mon_count           0
S:ecb_enc_enabled               0               ecb_comp_enabled
                0
S:ecb_rsv_enc           0               ecb_rsv_comp            0
S:ecb_enc_bm            0x0             ecb_key_index
0xffffffff
S:fab_idx               4
S:num_be_lto            0               lto_count_reset_intvl
        0
S:lr_count_reset_intvl          0               num_be_lr
        0
S:num_fault_qsfp                0               check_lto
        0
S:credit_loaded         0               num_credit_overrun
        0
S:fec_enabled           0x0             fec_los_to_flag         0x0
S:phy_stats_clear_ts            1725611419      pcs_err_online
        0
S:pcs_err_light_det             0               pcs_err_ignore
        0
S:pcs_blk_err           0               pcs_hiber               0
S:phy_port_status               0               ecb_enc_lr_count
```

```
                0
S:dport_mode            0               avoid_lto_det           0
S:sn_debounced          0x0             sn_started_kr_reqd      0
S:major_timer_started   0x0             ready_bm                0x0
S:parln_1_bm            0x0             parln_0_bm              0x0
S:be_los_of_sync_event_intvl            0
be_los_of_sync_event            0
S:errataPtenable_cntr           0               erratataPoll_cntr
        0
S:jda_rx_sig_loss_det           0               jda_rx_sig_loss_cnt
                0
S:encrypt_blk_error             0
S:
S:      c4_trunk
S:======================================
S:mark_ts               0x0             deskew                  0x0
S:master_phyp           0x0
S:
S:adelay[00]: 0x00000000 0x00000000 0x00000000 0x00000000
S:adelay[04]: 0x00000000 0x00000000 0x00000000 0x00000000
S:
S:      c4_buf
S:======================================
S:tx_csc                        0               rx_csc
        0
S:ld_vc_credits         0               tx_flag                 0x0
S:alloc_buffers         0               req_buffers             0
S:est_buffers           20              ld_use_est              0
S:bb_sc_n                       0               rx_bb_sc_n
        0
S:data_cr                       5               nondata_cr
        6
S:cr_enable             0
S:ld_nondata_cr         6               tnodep
0xbb8330e0
S:tx_credits[0] 0    0    0    0    0    0    0    0
S:tx_credits[8] 0    0    0    0    0    0    0    0
S:tx_credits[16]        0    0    0    0    0    0    0    0
S:tx_credits[24]        0    0    0    0    0    0    0    0
S:tx_credits[32]        0    0    0    0    0    0    0    0
S:rx_credits[0] 0    0    0    0    0    0    0    0
S:rx_credits[8] 0    0    0    0    0    0    0    0
S:rx_credits[16]        0    0    0    0    0    0    0    0
S:rx_credits[24]        0    0    0    0    0    0    0    0
S:rx_credits[32]        0    0    0    0    0    0    0    0
S:tx_mbc[0]     0    0    0    0    0    0    0    0
S:tx_mbc[8]     0    0    0    0    0    0    0    0
S:tx_mbc[16]    0    0    0    0    0    0    0    0
S:tx_mbc[24]    0    0    0    0    0    0    0    0
S:tx_mbc[32]    0    0    0    0    0    0    0    0
S:rx_mbc[0]     0    0    0    0    0    0    0    0
S:rx_mbc[8]     0    0    0    0    0    0    0    0
S:rx_mbc[16]    0    0    0    0    0    0    0    0
S:rx_mbc[24]    0    0    0    0    0    0    0    0
```

```
S:rx_mbc[32]    0    0    0    0    0    0    0    0
S:
S:C4 Chip Variables: c4_phyp->c4_chp = 0x97e28000
S:-----------------------------------------------------------------
---------
S:version = 2.1
S:magic_id              0xc4234567      init_state              0x8
S:reset_reg_mem         0x1
S:ch_int0_en_bm         0x0             intr0_cause             0x0
S:ch_int1_en_bm         0x0             intr1_cause             0x0
S:ch_int2_en_bm         0x0             intr2_cause             0x0
S:ch                    0x43010080      ch_cfg
0xb7013ba0
S:raslog_hndl.hndl      0x0             obj_halted              0x0
S:c4_chip_regp          0x80000000      c4_fpg_regp
0x81800000
S:num_chip_timer        0x5
S:hi_task_bm            0x0             lo_task_bm              0x0
S:c4_deferq.q_head      0x0             c4_deferq.q_tail        0x0
S:c4_tmrq.q_head        0x0             c4_tmrq.q_tail          0x0
slot_no                 0
S:chip_inst             0               chip_idx                0
S:pll_initialized               1
pll_serdes_initialized  1
S:init_tries            0               init_ptEnableBM
0xba01b488
S:tick_polling          0xb980c9c0      sec_polling
0xb980c960
S:bb_fid                        129
S:ecb_key_bm[0]         0x0             ecb_key_bm[1]           0x0
S:ecb_key_bm[2]         0x0             ecb_key_bm[3]           0x0
S:is_chip_enc_enabled                   0
is_chip_comp_enabled    0x0
S:ftb_rsrcp->ftb_flags  0x0             act_rsrcp->act_flag     0x1
S:lue_rsrcp->lue_flags[0]       0x0             lue_rsrcp-
>lue_flags[1]   0x0
S:c4_phyp[00]: 0xb6ab0000 0xb6ab2080 0xb6ab4100 0xb6ab6180
S:c4_phyp[04]: 0xb6ab9040 0xb6abb0c0 0xb6abd140 0xb6ac0000
S:c4_phyp[08]: 0xb6ac2080 0xb6ac4100 0xb6ac6180 0xb6ac9040
S:c4_phyp[12]: 0xb6acb0c0 0xb6acd140 0xb6ad0000 0xb6ad2080
S:c4_phyp[16]: 0xb6ad4100 0xb6ad6180 0xb6ad9040 0xb6adb0c0
S:c4_phyp[20]: 0xb6add140 0xb6ae0000 0xb6ae2080 0xb6ae4100
S:c4_phyp[24]: 0xb6ae6180 0xb6ae9040 0xb6aeb0c0 0xb6aed140
S:c4_phyp[28]: 0xb6af0000 0xb6af2080 0xb6af4100 0xb6af6180
S:c4_phyp[32]: 0xb6af9040 0xb6afb0c0 0xb6afd140 0xb6b00000
S:c4_phyp[36]: 0xb6b02080 0xb6b04100 0xb6b06180 0xb6b09040
S:c4_phyp[40]: 0xb6b0b0c0 0xb6b0d140 0xb6b10000 0xb6b12080
S:c4_phyp[44]: 0xb6b14100 0xb6b16180 0xb6b19040 0xb6b1b0c0
S:c4_phyp[48]: 0xb6b1d140 0xb6b20000 0xb6b22080 0xb6b24100
S:c4_phyp[52]: 0xb6b26180 0xb6b29040 0xb6b2b0c0 0xb6b2d140
S:c4_phyp[56]: 0xb6b30000 0xb6b32080 0xb6b34100 0xb6b36180
S:c4_phyp[60]: 0xb6b39040 0xb6b3b0c0 0xb6b3d140 0xb6b40000
S:c4_lgcp[00]: 0x97f48000 0x97f4c000 0x97f50000 0x97f54000
S:c4_lgcp[04]: 0x97f58000 0x97f5c000 0x97f60000 0x97f64000
```

```
S:c4_lgcp[08]: 0x97f68000 0x97f6c000 0x97f70000 0x97f74000
S:c4_lgcp[12]: 0x97f78000 0x97f7c000 0x97f80000 0x97f84000
S:c4_lgcp[16]: 0x97f88000 0x97f8c000 0x97f90000 0x97f94000
S:c4_lgcp[20]: 0x97f98000 0x97f9c000 0x97fa0000 0x97fa4000
S:c4_lgcp[24]: 0x97fa8000 0x97fac000 0x97fb0000 0x97fb4000
S:c4_lgcp[28]: 0x97fb8000 0x97fbc000 0x97fc0000 0x97fc4000
S:c4_lgcp[32]: 0x97fc8000 0x97fcc000 0x97fd0000 0x97fd4000
S:c4_lgcp[36]: 0x97fd8000 0x97fdc000 0x97fe0000 0x97fe4000
S:c4_lgcp[40]: 0x97fe8000 0x97fec000 0x97ff0000 0x97ff4000
S:c4_lgcp[44]: 0x97ff8000 0x97ffc000 0x8e000000 0x8e004000
S:c4_lgcp[48]: 0x8e008000 0x8e00c000 0x8e010000 0x8e014000
S:c4_lgcp[52]: 0x8e018000 0x8e01c000 0x8e020000 0x8e024000
S:c4_lgcp[56]: 0x8e028000 0x8e02c000 0x8e030000 0x8e034000
S:c4_lgcp[60]: 0x8e038000 0x8e03c000 0x8e040000 0x8e044000
S:chip_timers[00]: 0xb980c720 0xb980c780 0xb980c7e0 0xb980c840
S:chip_timers[04]: 0xb980c8a0 0xb980c900
S:disc_trap_enable_required     0x0             rxlp_disc_log_stop
        0x0
S:curr_rxlp_frm_cnt     0x0             curr_rxlp_disc_frm_cnt  0x0
S:sw_disc_frm_cnt       0x0             last_disc_frm_cnt       0x0
S:txq_nopop_pr_cnt      0x0             pollErrataDfe_ptBM
0xba01b4b0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][0]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][1]  0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_EC][2]        0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][0] 0x0
S:ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][1]       0x0
ftb_rsrcp->chip_ref[FTB_REF_CHP_NRC][2] 0x0
S:
S:C4 Logical Port Variables
S:-----------------------------------------------------------------
---------
S:c4_lgc_regp           0x81c38000
S:c4_phyp:
S:      0xb6ac0000      0x0             0x0             0x0

S:      0x0             0x0             0x0             0x0

S:master_phyp           0xb6ac0000      if_id
0x43020007
S:min_phyp              0x0             max_phyp                0x0
S:num_phy_ports         1               lgc_num                 7
S:num_iu_to             0               sw_txq_bm
        0
S:port_fid              129             unused                  0
S:port_group            0               lgc_stats_clear_ts
                1725611419
S:domain_tbl_sel                0               area_tbl_sel
        0
S:egid_tbl_sel          0
S:serv_lo_bm            0x0
S:
S:Proto Phy Variables:
S:-----------------------------------------------------------------
```

```
---------
S:magic_id              0xc4123456      asic_phyp
0xb6ac0000
S:port_id                       0x43028007      phy_cfg
        0xb6ac1040
S:upsm_hdl              0xb8011640      physm_hdl
0xb80113c0
S:ov_snsm_hdl           0xb8011280      sw_snsm_hdl
0xb8011320
S:ov_lksm_hdl           0xb8011460      sw_lksm_hdl
0xb8011500
S:trksm_hdl             0xb80115a0      lr_flag         0x0
S:lr_active             0x0             qsfp_txrx_rate_sel
        0x0
S:
S:UPSM      UP00: UPST_PORT_DISABLED    --> UP00: UPST_PORT_DISABLED
S:SNSM(OV)  SN00: OV_SNST_STOPPED       --> SN00: OV_SNST_STOPPED
S:SNSM(SW)  SW00: SW_SNST_STAGE_WS      --> SW00: SW_SNST_STAGE_WS
S:PHYSM     PP00: PHYST_STOPPED         --> PP00: PHYST_STOPPED
S:LKSM(OV)  LK00: OV_LKST_INACTIVE      --> LK00: OV_LKST_INACTIVE
S:LKSM(SW)  SW13: INACTIVE              --> SW13: INACTIVE
S:TRKSM     TRK0: TRKST_INIT            --> TRK0: TRKST_INIT
S:
S:physm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8807120      physm_hdl
0xb80113c0
S:force_offline         0               copper                  0
S:fault_reason          0: UNKNOWN
S:phy_media_present             0
S:
S:snsm variables:
S:-------------------------------------------------------------------
---------
S:speed                 0xff            proto_phyp
0xb8807120
S:hw_sn_tries_left      0x0             sw_sn_tries_left        0x0
S:curr_txsp_count               0x0
S:tx_max                        0x0             curr_tx_indx
        0x0
S:curr_tx                       0x0             curr_rxsp_count
        0x0
S:rx_max                        0x0             curr_rx_indx
        0x0
S:curr_rx                       0x0             rx_mem
        0x0
S:rxsp_rec_count                0x0
S:nc_start              0x0             tx_start                0x0
S:sync_start            0x0             sync_present            0x0
S:diag_auto             0x0             diag_speed              0xff
S:striped_wd_tov                3000            hw_wd_tov
        3000
S:step                  0x0             qsfp28_speed_mode
```

```
        0x0
S:qsfp_mode0_hw_sn_tries_left           0x0
S:qsfp_mode1_hw_sn_tries_left           0x0
S:
S:lksm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8807120      ov_lksm_hdl
0xb8011460
sw_lksm_hdl             0xb8011500
num_lf1                 0
S:hw_link_tries_left    0               sw_link_tries_left      0
S:buf_ptype             0x0             stored_entry_state      0x6
S:handshake_owner               0x0             mark_unsent
        0x0
S:busybuf_stuck         0x0             lr_wait                 0x0
S:
S:trksm variables:
S:-------------------------------------------------------------------
---------
S:Not a trunk port
S:
S:upsm variables:
S:-------------------------------------------------------------------
---------
S:proto_phyp            0xb8807120      upsm_hdl
0xb8011640
S:bb_credits            0               port_beacon             0
S:port_diag_flag                0               force_offline
        0
S:port_fault_rsn                0: PORT_NO_FAULT
S:retry_init_rsn                0: UNKNOWN
S:linit_reason          0               linit_result            0
S:ie_fctl_mode          0               fec_in_sync_tries_left  0
S:retry_sn_fail_init    0
retry_link_fail_init    0
S:excess_lr_count       0
S:
S:c4_ch_cfg
S:-------------------------------------------------------------------
---------
S:c4_desc_ring_size     256      292      256      256      292
292      2        292      292
S:thresh_def            0        16       1        0
S:intr_tries            500             cmem_pattern
0xdeadbeef
S:cmem_pattern_upwd     2               cmem_init_time          16
S:cmem_init_tries               5
S:ctrl_par_thresh               2               data_par_thresh
        4
S:cam_par_thresh                4               buf_loss_thresh
        12
S:crit_par_thresh               2               non_crit_par_thresh
        6
```

```
S:pci_abort_thresh      10              pci_err_thresh          5
S:excess_chintr_thresh  8               sw_err_thresh           20
S:err_sample_period     300             intr_sleep
20000
S:frame_timeout 2500            proxy_dev               16384
S:vf_route      81920           qos             2048
S:stats 2048            f_redirect              2048
S:rsp_trap      2048            lun_zoning              20480
S:area_mode     0               ftb_max_loop[0]         0
S:ftb_max_loop[1]       6               ftb_max_loop[2]         9
S:ftb_max_loop[3]       10              ftb_max_loop[4]         10
S:ftb_max_loop[5]       5               ftb_max_loop[6]         6
S:ftb_seg_size[0]       0               ftb_seg_size[1]
16384
S:ftb_seg_size[2]       65536           ftb_seg_size[3]
16384
S:ftb_seg_size[4]       16384           ftb_seg_size[5]
65536
S:ftb_seg_size[6]       16384           ftb_seg_base[0]         0
S:ftb_seg_base[1]       0               ftb_seg_base[2]
65536
S:ftb_seg_base[3]       16384           ftb_seg_base[4]
32768
S:ftb_seg_base[5]       131072          ftb_seg_base[6]
49152
asic_err_monitor_period1                300
asic_err_monitor_period2                86400
zone_chk_to_poll_period 25
zone_chk_class2_reject_tov              220
S:
S:c4_phy_cfg
S:-----------------------------------------------------------------
---------
S:version = 2.1
S:pt                    0x43028007      fab_ptr
0x9a800000
S:fabattr                       0x9a8000d4      fab_iop
        0x9a800050
S:cfgbm                 0xbb832e04      port_ctrl
0xb6ac1058
S:pcap.pcap_bm          0x8d215547      pcap.pcap2_bm
0x2588289
S:pcap.pcap3_bm         0x1bebe0c
ui_idx                  63              S:slot_no
        0
is_icl                  0               S:sw_usr_ports          400
S:neg_speed             0 0 0 0 0 0
S:my_domain             0x1             port_mode               0x0
S:hw_sn_maxtries                100             sw_sn_maxtries
        0
S:hw_link_maxtries      10              sw_link_maxtries        5
S:rx_cyc_tov            28              rttov                   300
S:bufrdy_tov            300             busybuf_tov             286
S:mark_tov              300             lksm_tov                3000
```

```
S:buf_dealloc_wait      4               hw_wd_tov               3000
S:hw_lk_train_tov               540             hw_lk_test_tov
        150
S:syswait_tx_12_lips    1               lip_rx_tov              55
S:al_time_tov           15              lp_tov                  2000
S:intr_tries_port               500             intr_mod_debounce
        250
S:intr_lsr_flt_debounce 500             intr_efifo_debounce     100
S:port_no_fid           3               excess_ptintr_thresh    8
S:port_fault1_thresh    100             port_fault1_spur_thresh 250
S:port_fault1_disc_thresh       500
port_fault1_disc_spur_thresh    1000
S:port_fault2_thresh    5               losync_tov              100
S:port_sw_link_to               15              en_8g_scramble
        1
frc_hw_sn_mode          0x1
S:enc_poll_thresh               0               fec_enable
        0
S:fec_in_sync_to                50              fec_in_sync_try_max
        4
S:port_be_lto_threshold         100             port_be_lr_threshold
                2
S:be_cr_in_sync_to              5
port_credit_overrun_thresh              10
S:jda_sfp_losig_tov             400
jda_sfp_losig_try_max           30
S:striped_wd_tov                3000
no_sync_debounce                1200
S:
S:      fab_iop
S:======================================
S:fab_iop->interop_mode 0x0             fab_iop->lab_mode       0x0
S:fab_iop->fl_bbc               0x0             fab_iop->fl_fan
        0x0
S:fab_iop->fl_cls               0x4             fab_iop->fl_rscn
        0x0
S:fab_iop->domain_id_offset     0x60            fab_iop-
>mcdt_fabric_mode       0x0
S:fab_iop->mcdt_default_zone            0x0             fab_iop-
>mcdt_safe_zone         0x0
S:
S:      port_ctrl
S:======================================
S:port_ctrl.port_type   1               port_ctrl.port_grp      0
S:port_ctrl.port_number 63              port_ctrl.vc_mode       1
S:
S:      port_ctrl.lcap
S:======================================
S:has_serdes            0               has_media               1
S:topology              1               skip_nego               0
S:skip_pnego            0               skip_init_event         0
S:en_shim                       0               speed_neg
        1
S:loop_back             0               num_speeds              5
```

```
S:fec_enable            0
S:
S:      port_ctrl.speed_list array
S:=====================================
S:speed_list[0].auto_neg  1     speed_list[0].lnk_speed  0x0000000a
S:speed_list[1].auto_neg  1     speed_list[1].lnk_speed  0x00000008
S:speed_list[2].auto_neg  1     speed_list[2].lnk_speed  0x00000006
S:speed_list[3].auto_neg  1     speed_list[3].lnk_speed  0x00000005
S:speed_list[4].auto_neg  1     speed_list[4].lnk_speed  0x00000003
S:speed_list[5].auto_neg  0     speed_list[5].lnk_speed  0x00000000
S:
S:      port_ctrl.cm
S:=====================================
S:port_ctrl.cm.num_vcs          8
S:port_ctrl.cm.min_bufs         8
S:port_ctrl.cm.cr_shar_bufs     0
S:port_ctrl.vc_alloc
S:port_ctrl.vc_alloc            2 0 1 1 1 1 1 1
S:port_ctrl.vc_alloc            0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.norm_vc_alloc
S:port_ctrl.norm_vc_alloc       4 0 5 5 5 5 1 1
S:port_ctrl.norm_vc_alloc       0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
S:port_ctrl.cm.skip_bb_credit           0
S:port_ctrl.cm.use_shim_based_sublist           0
S:
S:      port_ctrl.serdes_set
S:=====================================
S:serdes_type           0x8
S:serdes_data_t.ibm_hss_serdes.tx_drive_power           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b_sign      0x1
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_b           0x0
S:serdes_data_t.ibm_hss_serdes.pre_emphasis_a           0x0
S:serdes_data_t.ibm_hss_serdes.rxeq                     0x0
S:
S:      cfgbm
S:=====================================
S:old_distance          0x0             gport_lockdown          0x0
S:tport                 0x1             speed                   0x0
S:disable_eport         0x0             fcacc                   0x0
S:lport_lockdown                0x0             priv_lport_lockdown
        0x0
S:vcxlt_linit           0x0             delay_flogi             0x0
S:isl_interop           0x0             distance                0x0
S:BufStarvFlag          0x0             credit_sharing          0x0
S:lport_halfduplex      0x0             lport_fairness          0x0
S:soft_neg              0x0             asn_frc_hwretry         0x0
S:cr_recov              0x0             fport_buffers           0x0
S:export                        0x0             export_mode
        0x0
S:csctl_en              0x0             mirror_port             0x0
S:fault_delay           0x0             non_dfe                 0x0
S:fec_configured*(0=ENAB)       0               fec_tts
```

```
        0
S:port_persistently_disabled (permanently) 0 (0)
S:
S:      cfg property
S:=====================================
S:priv_pcfg_bm          0x00000000      lgcl_pcfg_bm
0xbb832e44
S:fport_buffer          0x00000000
S:
S:
S:C4 Discard Cntrs: rxlp_stats = 0xb6ac03b0
S:-----------------------------------------------------------------
---------
S:disc_mcast_wka        0x0             disc_inv_did            0x0
S:disc_cl1_cl4          0x0             disc_sid_chk_fail       0x0
S:disc_inv_dom_egid_txpt        0x0             disc_vft_hop_cnt_1
        0x0
S:disc_classf           0x0             disc_fcp_cdb_inv        0x0
S:disc_vfid_trap_enabled        0x0
disc_vfid_hdr_chk_fail  0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_shim_cksum_fail  0x0             disc_fed_edit_cmd_err   0x0
S:disc_ftb_vm_mode      0x0             disc_ftb_agn_t2_miss    0x0
S:disc_ecb_de_pad_err   0x0             disc_ecb_de_tag_err     0x0
S:disc_ecb_de_seq_err   0x0             disc_ecb_err            0x0
S:disc_ftb_type4_match  0x0             disc_fcp_rsp_ftb_type4  0x0
S:disc_fcp_rsp_ftb_type4        0x0             disc_ftb_type5_match
        0x0
S:disc_ftb_type3_match  0x0             disc_els_ftb_type3      0x0
S:disc_ftb_type1_match  0x0             disc_els_rsp_ex_port    0x0
S:disc_inv_drp_dps      0x0             disc_did_lookup_miss    0x0
S:disc_ftb_type2_match  0x0             disc_trpd_plogi_pdisc   0x0
S:disc_type2_lookup_miss        0x0             disc_ftb_type6_match
        0x0
S:disc_els_rep_ex_port  0x0             disc_els_sid_lkup_bit1  0x0
S:disc_els_sid_lkup_bit0        0x0
disc_bls_frm_trap_bit1  0x0
S:disc_ftb_token_err    0x0             disc_asic_internal_err  0x0
S:disc_hard_zone_miss   0x0             disc_lun_zone_miss      0x0
S:disc_flt_frame_disc   0x0             disc_flt_parity_err     0x0
S:disc_frame_marked_du  0x0             disc_frame_marked_to    0x0
E:Connection type: FE
E:Port type: E_port
E:Trunk port: No
E:Configured Speed: AUTO_SPEED_NEGO
E:Max Capable Speed: 32G
E:Current SNSM Speed: UNDEFINED
E:Hardware TX Speed: 32G (0x00000004)
E:Hardware RX Speed: 32G (0x00000040)
E:
E:Interrupts:   0           Link_failure:       0
Loss_of_sync:   0           Loss_of_sig:        0
E:Lli:          0           Invalid_word:       0
E:trapped_frm:  0           fwd_status_ok:      0
```

```
E:fwd_timeout:  0           fwd_tx_unavail:     0
E:fwd_unroutable:       0           fwd_zone_out:       0
E:fwd_other_err:        0           frm_err_discard:    0
E:Fltr listA:   0           Fltr listB:         0
E:Zone trap fwd:        0           Zone trap disc:     0
E:shim_csum:    0           RTE_perr:           0
E:Invalid_crc:  0           Delim_err:          0
E:Protocol_err: 0
E:Lr_in:        0           Lr_out:             0
E:Ols_in:       0           Ols_out:            0


filterportshow 63

                FILTER DATA
                -----------
Shadow settings:
   Filter Enable: 0x00000000
   Redir RAM[0]: 0x00000000
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass: 0x00000000
Real settings:
   Enable RAM: 0x00000000, 0x00000000
   Redir RAM[0]: 0x00000000
```

```
   Redir RAM[1]: 0x00000000
   Redir RAM[2]: 0x00000000
   Redir RAM[3]: 0x00000000
   Redir RAM[4]: 0x00000000
   Redir RAM[5]: 0x00000000
   Redir RAM[6]: 0x00000000
   Redir RAM[7]: 0x00000000
   Redir RAM[8]: 0x00000000
   Redir RAM[9]: 0x00000000
   Redir RAM[10]: 0x00000000
   Redir RAM[11]: 0x00000000
   Redir RAM[12]: 0x00000000
   Redir RAM[13]: 0x00000000
   Redir RAM[14]: 0x00000000
   Redir RAM[15]: 0x00000000
   Redir RAM[16]: 0x00000000
   Redir RAM[17]: 0x00000000
   Redir RAM[18]: 0x00000000
   Redir RAM[19]: 0x00000000
   Redir RAM[20]: 0x00000000
   Redir RAM[21]: 0x00000000
   Redir RAM[22]: 0x00000000
   Redir RAM[23]: 0x00000000
   Redir RAM[24]: 0x00000000
   Redir RAM[25]: 0x00000000
   Redir RAM[26]: 0x00000000
   Redir RAM[27]: 0x00000000
   Redir RAM[28]: 0x00000000
   Redir RAM[29]: 0x00000000
   Redir RAM[30]: 0x00000000
   Redir RAM[31]: 0x00000000
   Bypass RAM: 0x00000000

Shadowed filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        c4_fldenable[0] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[0] = 0x00000000,c4_fltr_config[0] = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        c4_fldenable[1] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[1] = 0x00000000,c4_fltr_config[1] = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        c4_fldenable[2] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[2] = 0x00000000,c4_fltr_config[2] = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        c4_fldenable[3] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[3] = 0x00000000,c4_fltr_config[3] = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        c4_fldenable[4] = 0x00000000 0x00000000 0x00000000
0x00000000
```

```
        c4_fldnegate[4] = 0x00000000,c4_fltr_config[4] = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        c4_fldenable[5] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[5] = 0x00000000,c4_fltr_config[5] = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        c4_fldenable[6] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[6] = 0x00000000,c4_fltr_config[6] = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        c4_fldenable[7] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[7] = 0x00000000,c4_fltr_config[7] = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        c4_fldenable[8] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[8] = 0x00000000,c4_fltr_config[8] = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        c4_fldenable[9] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[9] = 0x00000000,c4_fltr_config[9] = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        c4_fldenable[10] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[10] = 0x00000000,c4_fltr_config[10] =
0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        c4_fldenable[11] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[11] = 0x00000000,c4_fltr_config[11] =
0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        c4_fldenable[12] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[12] = 0x00000000,c4_fltr_config[12] =
0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        c4_fldenable[13] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[13] = 0x00000000,c4_fltr_config[13] =
0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        c4_fldenable[14] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[14] = 0x00000000,c4_fltr_config[14] =
0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        c4_fldenable[15] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[15] = 0x00000000,c4_fltr_config[15] =
0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        c4_fldenable[16] = 0x00000000 0x00000000 0x00000000
0x00000000
```

```
        c4_fldnegate[16] = 0x00000000,c4_fltr_config[16] =
0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        c4_fldenable[17] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[17] = 0x00000000,c4_fltr_config[17] =
0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        c4_fldenable[18] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[18] = 0x00000000,c4_fltr_config[18] =
0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        c4_fldenable[19] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[19] = 0x00000000,c4_fltr_config[19] =
0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
        c4_fldenable[20] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[20] = 0x00000000,c4_fltr_config[20] =
0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        c4_fldenable[21] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[21] = 0x00000000,c4_fltr_config[21] =
0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        c4_fldenable[22] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[22] = 0x00000000,c4_fltr_config[22] =
0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        c4_fldenable[23] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[23] = 0x00000000,c4_fltr_config[23] =
0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        c4_fldenable[24] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[24] = 0x00000000,c4_fltr_config[24] =
0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        c4_fldenable[25] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[25] = 0x00000000,c4_fltr_config[25] =
0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        c4_fldenable[26] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[26] = 0x00000000,c4_fltr_config[26] =
0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        c4_fldenable[27] = 0x00000000 0x00000000 0x00000000
```

```
0x00000000
        c4_fldnegate[27] = 0x00000000,c4_fltr_config[27] =
0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        c4_fldenable[28] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[28] = 0x00000000,c4_fltr_config[28] =
0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        c4_fldenable[29] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[29] = 0x00000000,c4_fltr_config[29] =
0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        c4_fldenable[30] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[30] = 0x00000000,c4_fltr_config[30] =
0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        c4_fldenable[31] = 0x00000000 0x00000000 0x00000000
0x00000000
        c4_fldnegate[31] = 0x00000000,c4_fltr_config[31] =
0x00000000


Real filters:

Filter 0: Not Installed (MIRROR1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 1: Not Installed (MIRROR2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 2: Not Installed (MIRROR3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 3: Not Installed (MIRROR4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 4: Not Installed (AEPORT_NON_MIRR_DROP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 5: Not Installed (ZONING TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 6: Not Installed (FCR_EXPORT_DC)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
```

```
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 7: Not Installed (TIN TRAP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 8: Not Installed (FICON CUP)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 9: Not Installed (FICON CUP DST)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 10: Not Installed (WELL KNOWN ADDR)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 11: Not Installed (SIM)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 12: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 13: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 14: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 15: Not Installed (UNUSED)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 16: Not Installed (PERF1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 17: Not Installed (PERF2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 18: Not Installed (PERF3)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 19: Not Installed (PERF4)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 20: Not Installed (PERF5)(LISTA)
```

```
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 21: Not Installed (PERF6)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 22: Not Installed (PERF7)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 23: Not Installed (PERF8)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 24: Not Installed (PERF9)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 25: Not Installed (PERF10)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 26: Not Installed (PERF11)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 27: Not Installed (PERF12)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 28: Not Installed (OPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 29: Not Installed (OPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 30: Not Installed (IPM1)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000
Filter 31: Not Installed (IPM2)(LISTA)
        fld enable ram = 0x00000000, 0x00000000, 0x00000000,
0x00000000,
        fld negate ram = 0x00000000, fltr config ram = 0x00000000

Filter dirty indicator: 0x00000000
Performance filters: 0
Port Mirror filters: 0 (0x0)


                FIELD DATA
```

Shadowed fields:

fldoffset[0] = 0x00,fldmask[0] = 0x00,fldvalue_dyna[0]:0x00 0x00
0x00 0x00
fldcontrol[0].inuse = 0x0 fldcontrol[0].refcnt = 0x00 0x00 0x00
0x00
fldoffset[1] = 0x00,fldmask[1] = 0x00,fldvalue_dyna[1]:0x00 0x00
0x00 0x00
fldcontrol[1].inuse = 0x0 fldcontrol[1].refcnt = 0x00 0x00 0x00
0x00
fldoffset[2] = 0x00,fldmask[2] = 0x00,fldvalue_dyna[2]:0x00 0x00
0x00 0x00
fldcontrol[2].inuse = 0x0 fldcontrol[2].refcnt = 0x00 0x00 0x00
0x00
fldoffset[3] = 0x00,fldmask[3] = 0x00,fldvalue_dyna[3]:0x00 0x00
0x00 0x00
fldcontrol[3].inuse = 0x0 fldcontrol[3].refcnt = 0x00 0x00 0x00
0x00
fldoffset[4] = 0x00,fldmask[4] = 0x00,fldvalue_dyna[4]:0x00 0x00
0x00 0x00
fldcontrol[4].inuse = 0x0 fldcontrol[4].refcnt = 0x00 0x00 0x00
0x00
fldoffset[5] = 0x00,fldmask[5] = 0x00,fldvalue_dyna[5]:0x00 0x00
0x00 0x00
fldcontrol[5].inuse = 0x0 fldcontrol[5].refcnt = 0x00 0x00 0x00
0x00
fldoffset[6] = 0x00,fldmask[6] = 0x00,fldvalue_dyna[6]:0x00 0x00
0x00 0x00
fldcontrol[6].inuse = 0x0 fldcontrol[6].refcnt = 0x00 0x00 0x00
0x00
fldoffset[7] = 0x00,fldmask[7] = 0x00,fldvalue_dyna[7]:0x00 0x00
0x00 0x00
fldcontrol[7].inuse = 0x0 fldcontrol[7].refcnt = 0x00 0x00 0x00
0x00
fldoffset[8] = 0x00,fldmask[8] = 0x00,fldvalue_dyna[8]:0x00 0x00
0x00 0x00
fldcontrol[8].inuse = 0x0 fldcontrol[8].refcnt = 0x00 0x00 0x00
0x00
fldoffset[9] = 0x00,fldmask[9] = 0x00,fldvalue_dyna[9]:0x00 0x00
0x00 0x00
fldcontrol[9].inuse = 0x0 fldcontrol[9].refcnt = 0x00 0x00 0x00
0x00
fldoffset[10] = 0x00,fldmask[10] = 0x00,fldvalue_dyna[10]:0x00 0x00
0x00 0x00
fldcontrol[10].inuse = 0x0 fldcontrol[10].refcnt = 0x00 0x00 0x00
0x00
fldoffset[11] = 0x00,fldmask[11] = 0x00,fldvalue_dyna[11]:0x00 0x00
0x00 0x00
fldcontrol[11].inuse = 0x0 fldcontrol[11].refcnt = 0x00 0x00 0x00
0x00
fldoffset[12] = 0x00,fldmask[12] = 0x00,fldvalue_dyna[12]:0x00 0x00
0x00 0x00

```
fldcontrol[12].inuse = 0x0  fldcontrol[12].refcnt = 0x00 0x00 0x00
0x00
fldoffset[13] = 0x00,fldmask[13] = 0x00,fldvalue_dyna[13]:0x00 0x00
0x00 0x00
fldcontrol[13].inuse = 0x0  fldcontrol[13].refcnt = 0x00 0x00 0x00
0x00
fldoffset[14] = 0x00,fldmask[14] = 0x00,fldvalue_dyna[14]:0x00 0x00
0x00 0x00
fldcontrol[14].inuse = 0x0  fldcontrol[14].refcnt = 0x00 0x00 0x00
0x00
fldoffset[15] = 0x00,fldmask[15] = 0x00,fldvalue_dyna[15]:0x00 0x00
0x00 0x00
fldcontrol[15].inuse = 0x0  fldcontrol[15].refcnt = 0x00 0x00 0x00
0x00
fldoffset[16] = 0x00,fldmask[16] = 0x00,fldvalue_dyna[16]:0x00 0x00
0x00 0x00
fldcontrol[16].inuse = 0x0  fldcontrol[16].refcnt = 0x00 0x00 0x00
0x00
fldoffset[17] = 0x00,fldmask[17] = 0x00,fldvalue_dyna[17]:0x00 0x00
0x00 0x00
fldcontrol[17].inuse = 0x0  fldcontrol[17].refcnt = 0x00 0x00 0x00
0x00
fldoffset[18] = 0x00,fldmask[18] = 0x00,fldvalue_dyna[18]:0x00 0x00
0x00 0x00
fldcontrol[18].inuse = 0x0  fldcontrol[18].refcnt = 0x00 0x00 0x00
0x00
fldoffset[19] = 0x00,fldmask[19] = 0x00,fldvalue_dyna[19]:0x00 0x00
0x00 0x00
fldcontrol[19].inuse = 0x0  fldcontrol[19].refcnt = 0x00 0x00 0x00
0x00

Real fields:

fldoffset RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fldmask RAM: 0x00000000, 0x00000000, 0x00000000, 0x00000000,
0x00000000
fld value4 RAM:
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
0x00000000
```

```
0x00000000
0x00000000
0x00000000
0x00000000
Field dirty indicator: 0x00000000

FDB reference count fdb: 0 [0 0 0 0 ]
FDB reference count fdb: 1 [0 0 0 0 ]
FDB reference count fdb: 2 [0 0 0 0 ]
FDB reference count fdb: 3 [0 0 0 0 ]
FDB reference count fdb: 4 [0 0 0 0 ]
FDB reference count fdb: 5 [0 0 0 0 ]
FDB reference count fdb: 6 [0 0 0 0 ]
FDB reference count fdb: 7 [0 0 0 0 ]
FDB reference count fdb: 8 [0 0 0 0 ]
FDB reference count fdb: 9 [0 0 0 0 ]
FDB reference count fdb: 10 [0 0 0 0 ]
FDB reference count fdb: 11 [0 0 0 0 ]
FDB reference count fdb: 12 [0 0 0 0 ]
FDB reference count fdb: 13 [0 0 0 0 ]
FDB reference count fdb: 14 [0 0 0 0 ]
FDB reference count fdb: 15 [0 0 0 0 ]
FDB reference count fdb: 16 [0 0 0 0 ]
FDB reference count fdb: 17 [0 0 0 0 ]
FDB reference count fdb: 18 [0 0 0 0 ]
FDB reference count fdb: 19 [0 0 0 0 ]

Filter counters:
   Filter counter 0: 0  (MIRROR1)
   Filter counter 1: 0  (MIRROR2)
   Filter counter 2: 0  (MIRROR3)
   Filter counter 3: 0  (MIRROR4)
   Filter counter 4: 0  (AEPORT_NON_MIRR_DROP)
   Filter counter 5: 0  (ZONING TRAP)
   Filter counter 6: 0  (FCR_EXPORT_DC)
   Filter counter 7: 0  (TIN TRAP)
   Filter counter 8: 0  (FICON CUP)
   Filter counter 9: 0  (FICON CUP DST)
   Filter counter 10: 0 (WELL KNOWN ADDR)
   Filter counter 11: 0 (SIM)
   Filter counter 12: 0 (UNUSED)
   Filter counter 13: 0 (UNUSED)
   Filter counter 14: 0 (UNUSED)
   Filter counter 15: 0 (UNUSED)
   Filter counter 16: 0 (PERF1)
   Filter counter 17: 0 (PERF2)
   Filter counter 18: 0 (PERF3)
   Filter counter 19: 0 (PERF4)
   Filter counter 20: 0 (PERF5)
   Filter counter 21: 0 (PERF6)
   Filter counter 22: 0 (PERF7)
   Filter counter 23: 0 (PERF8)
   Filter counter 24: 0 (PERF9)
   Filter counter 25: 0 (PERF10)
```

```
   Filter counter 26: 0 (PERF11)
   Filter counter 27: 0 (PERF12)
   Filter counter 28: 0 (OPM1)
   Filter counter 29: 0 (OPM2)
   Filter counter 30: 0 (IPM1)
   Filter counter 31: 0 (IPM2)

               ACL DATA
               --------
Logical port 7: Hard Zoning disabled, Soft Zoning disabled
Zone type: WWN Zoning
Frames with hard zone miss: 0

*** Please use filterportshow on user port 56 to display ACL hash
tables and Mirroring resources of thischip.
 ***We show this data only for the first physical port which is an
exernal port.



real    0m7.423s
user    0m4.076s
sys     0m3.032s
 Group End: start_fc_port_cmd
Mon Sep  9 08:47:27 UTC 2024
**********************************************************
```