



FCP FCoE LIF reports operationally down with extended status FDISC error

https://kb-stage.netapp.com/on-prem/ontap/da/SAN/SAN-KBs/FCP_FCoE_LIF_reports_operationally_d...

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Applies to

- ONTAP
- FCP/FCoE LIF

Issue

- LIF is admin UP but operationally down with extended status - "FDISC error - ID could not be acquired for this virtual port"
- The adapter hosting the LIF is online.
- Below events are reported for the concerned adapter in EMS logs:

```
[DC_FAS8700-01: fct_tpd_thread_1: fcp.io.status:debug]: STIO Adapter:1b,
found hung cmd:0xffffffff80ec6ad47e0(state=10, flags=0x2,ctio_sent=2/
2,RecvExAddr=0x1911, OX_ID=0xa18, RX_ID=0xffff,SID=0x247xx,
Cmd[28],req_q_free:0[DC_FAS8700-01: fct_tpd_thread_1:
scsitarget.fct.reset:notice]: Resetting Fibre Channel target adapter 1b.
[FAS8700-01: fct_tpd_work_thread_0: scsitarget.hwpfct.linkUp:notice]: Link
up on Fibre Channel target adapter 1b.
[?] Wed Jun 12 11:45:12 +0000 [DC_FAS8700-01: fct_tpd_work_thread_0:
scsitarget.slifct.wqeError:debug]: FC port 1b has a WQE processing failure
of type SLI_ELS_REQ, command PLOGI, subtype x0, with status of 3 and an
extended status x2 for NPIV port 0.
[?] Wed Jun 12 11:45:12 +0000 [DC_FAS8700-01: fct_tpd_work_thread_0:
scsitarget.slifct.wqeError:debug]: FC port 1b has a WQE processing failure
of type SLI_ELS_REQ, command FDISC, subtype x0, with status of 3 and an
extended status x2 for NPIV port 1.
```

- If the port is attached to a Brocade switch, check if the Per-Port NPIV login limit (see '**NPIV PP Limit**' in '`portcfgshow`') is set to zero or a value too low to allow all LIFs to login.
- If this value needs to be modified we can set the configuration for each port to Brocade defaults using '`portCfgDefault`' (**NOTE- This overwrites all port settings**).
- Alternatively we can set the login limit specifically using '`portcfgnpivport --setloginlimit`'
 - The NPIV limit is set to 126 for the concerned port in `portcfgshow`:

```
Ports of Slot 0 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63
-----+---+---+---+---+---+---+---+---+---+---+---+---+---+---+
+---+---+---+---+---+
NPIV capability ON ON ON ON ON ON ON ON ON ON ON ON ON ON ON ON
NPIV PP Limit 126 126 126 126 126 126 126 126 126 126 126 126 126 126
126 126
```