



NiCE

ONTAP升级后FC LIF发生故障

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

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适用场景

- ONTAP 9
- Cisco
- FC

问题描述

- 升级ONTAP后、FC LIF关闭、如下所示。

```
cluster::> network interface show -status
      Logical      Current      Current  Status
Status
Vserver  Interface      Node        Port    Admin  Oper
-----
svm-fc
  lif-fc-A-02  node-02      2a        up      down
  Corrective Action: LIF not initialized
```

- NPIV在交换机上启用、FCP服务已配置并在ONTAP FC SVM上运行。

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- 升级后端口显示为 link disconnected，LIF显示为 LIF not initialized。
- 在升级期间、节点重新启动后、端口关闭、重新启动完成后又返回。

```
Sun Sep 10 02:30:11 +1000 [node-02: fct_tpd_work_thread_0:
scsitarget.hwpfct.linkUp:notice]: Link up on Fibre Channel target adapter 2a.
```

- link break event 在EMS日志中检测到一段时间后端口恢复工作时。

```
Sun Sep 10 02:30:17 +1000 [node-02: fct_tpd_work_thread_0:
scsitarget.slifct.linkBreak:error]: Link break detected on Fibre Channel target
HBA 2a with event status 1 , topology type 1, status1 0x0, status2 0x0.
```

- 端口处于 Link Disconnected 状态、LIF处于 LIF not initialized 状态。

```
slot 2: Fibre Channel Target Host Adapter 2a
(Emulex LPe16000 (LPe16004) rev. 13, <LINK DISCONNECTED>)
Board Name:      111-xxxxxx
Serial Number:   FP95xxxxxxx
Firmware rev:    12.x.xxx.0
Host Port Addr:  000000
FC Nodename:     50:0a:xx:80:xx:xx:xx:9e (500axx8xxxxxxxx9e)
FC Portname:     50:0a:xx:82:xx:xx:xx:9e (500axx8xxxxxxxx9e)
Connection:     No link
Switch Port:     Unknown
```

- 连接到此FC端口的交换机端口在交换机端也已脱机

```
2023 Sep 10 02:30:14 switch %PORT-5-IF_DOWN_OFFLINE: %$VSAN 2%$ Interface fc1/
29 is down (Offline)
2023 Sep 10 02:30:14 switch %PORT-5-IF_DOWN_LINK_FAILURE: %$VSAN 2%$ Interface
fc1/29 is down (Link failure loss of sync)
```