



NiCE

更换数据网络交换机后无法访问集群

https://kb-cn-stage.netapp.com/on-prem/ontap/OHW/OHW-KBs/Cluster_not_reachable_after_replacing...

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适用场景

- FAS9000
- QLogic 8324 CNA 适配器
- Cisco N2K-C2248TP-E 阵列扩展器 (FEX)
- ONTAP 9.7

问题描述

- 升级数据网络交换机型号后， OnCommand Unified Manager 会将集群报告为无法访问
- CIFS 共享不再可访问
- 仅 Qlogic CNA 适配器上的端口受影响。示例：

```
slot 2: 1G/10G Ethernet Controller CNA EP 8324
(Multiple Dual-port, QLogic CNA 8324(8362) rev. 2)
e2d MAC Address: 00:a0:98:ed:e9:5f (auto-unknown-fd-down)
e2c MAC Address: 00:a0:98:ed:e9:5e (auto-unknown-fd-down)
```

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e2b MAC Address: 00:a0:98:ed:e9:59 (auto-10g_sr-fd-up)
e2a MAC Address: 00:a0:98:ed:e9:58 (auto-10g_sr-fd-up)
Device Type: EP8324N
Firmware Version: 5.4.66.0
Part Number: 111-02397
Hardware Revision: A3
Serial Number: 031848004935

- dMesg 日志显示 CNA 适配器的错误

```
[116] e2d: **** flash fw version 5.4.53, peg 0x0000ff01 function 0
[116] e2d: **** First driver-load ****, func 0
[123] e2d: **** fw version 5.4.66, peg 0x0000ff01, function 0
[123] e2d: qla_pci_attach: firmware[5.4.66.0]
[123] e2d: qla_pci_attach: ha 0xfffffe00310d2000 pci_func 0x0 rsrc_count
0x00200000 msix_count 0x40 pci_reg 0xfffff8017bb50880 num_rcvq = 32
[123] e2d: qla_pci_attach: mp_ncpus 36 sds 16 rds 16 msi-x 17
[123] e2d: This platform does not support CPR
[123] FuseN mode: 40/0/1 unclaimed NIC device
[123] ql1: <Qlogic EP 83xx PCI CNA Ethernet Function v3.10.35> mem
0x91000000-0x911fffff,0x91610000-0x91611fff at device 0.1 on pci8
[123] changing device name from ql1 to e2c
[123] e2c: **** fw version 5.4.66, peg 0x0000ff01, function 1
[123] e2c: qla_pci_attach: firmware[5.4.66.0]
[123] e2c: qla_pci_attach: ha 0xfffffe00314ac000 pci_func 0x1 rsrc_count
0x00200000 msix_count 0x40 pci_reg 0xfffff8017bb50680 num_rcvq = 32
[123] e2c: qla_pci_attach: mp_ncpus 36 sds 16 rds 16 msi-x 17
[123] e2c: This platform does not support CPR
[123] FuseN mode: 41/0/0 unclaimed NIC device
[123] ql2: <Qlogic EP 83xx PCI CNA Ethernet Function v3.10.35> mem
0x90600000-0x907fffff,0x90a12000-0x90a13fff at device 0.0 on pci9
[123] changing device name from ql2 to e2b
[123] e2b: **** flash fw version 5.4.53, peg 0x0000ff01 function 0
[123] e2b: **** First driver-load ****, func 0
[130] e2b: **** fw version 5.4.66, peg 0x0000ff01, function 0
[130] e2b: qla_pci_attach: firmware[5.4.66.0]
[130] e2b: qla_pci_attach: ha 0xfffffe0031886000 pci_func 0x0 rsrc_count
0x00200000 msix_count 0x40 pci_reg 0xfffff8017bb50000 num_rcvq = 32
[130] e2b: qla_pci_attach: mp_ncpus 36 sds 16 rds 16 msi-x 17
[130] e2b: This platform does not support CPR
[130] FuseN mode: 41/0/1 unclaimed NIC device
[130] ql3: <Qlogic EP 83xx PCI CNA Ethernet Function v3.10.35> mem
0x90400000-0x905fffff,0x90a10000-0x90a11fff at device 0.1 on pci9
[130] changing device name from ql3 to e2a
[130] e2a: **** fw version 5.4.66, peg 0x0000ff01, function 1
[130] e2a: qla_pci_attach: firmware[5.4.66.0]
[130] e2a: qla_pci_attach: ha 0xfffffe0031c84000 pci_func 0x1 rsrc_count
0x00200000 msix_count 0x40 pci_reg 0xfffff8017bb4fd80 num_rcvq = 32
```

```
[130] e2a: qla_pci_attach: mp__ncpus 36 sds 16 rds 16 msi-x 17  
[130] e2a: This platform does not support CPR
```

- 重新启动节点并更换 SFP 不会还原数据访问