



CXone Mpower EXPERT

一条路径上缺少交换机连接的NS224磁盘架

https://kb-cn-stage.netapp.com/on-prem/ontap/OHW/OHW-KBs/Switch-attached_NS224_shelf_missing...

Updated: Wed, 22 Apr 2026 05:16:18 GMT

适用场景

- ONTAP 9
- NS224
- 交换机连接存储

问题描述

- 我们可以看到、节点在单个路径上缺少一个磁盘架、从而导致它报告"混合路径HA"存储配置：

```
NetApp Release 9.12.1P15: Wed Oct 9 04:30:57 EDT 2024
System ID: XXXXXXXXXXX (cluster1-01); partner ID: XXXXXXXXXXX (cluster1-02)
System Serial Number: XXXXXXXXXXXXXX (cluster1-01)
System Rev: C0
System Storage Configuration: Mixed-Path HA
(...)
slot 10: Dual 40G/100G/200G Ethernet Controller CX6
e10a MAC Address: d0:39:ea:5d:05:c4 (auto-unknown-fd-down)
```

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```
    QSFP Vendor:
    QSFP Part Number:
    QSFP Serial Number:
e10b MAC Address:   d0:39:ea:5d:05:c5 (auto-100g_cr4-fd-up)
    (...)
0231 Shelf 1: NS224NSM100  Firmware rev. NSM100 A: 0231  NSM100 B:
      (shelf 2 is missing)
    Shelf 0: NS224NSM100  Firmware rev. NSM100 A: 0231  NSM100 B: 0231
    Shelf 3: NS224NSM100  Firmware rev. NSM100 A: 0231  NSM100 B: 0231
    Shelf 4: NS224NSM100  Firmware rev. NSM100 A: 0231  NSM100 B: 0231
```

- 此外、我们会在EMS中持续重复显示如下消息：

```
Wed Dec 25 17:56:18 -0600 [cluster1-01: network_shelfd:
nvmeof.subsystem.add:notice]: NVMe-oF subsystem added at address
fe80::d239:eaff:fec6:f612.
Wed Dec 25 17:56:18 -0600 [cluster1-01: network_shelfd:
nvmeof.subsystem.add:notice]: NVMe-oF subsystem added at address
fe80::d239:eaff:fec6:fe97.
Wed Dec 25 17:58:39 -0600 [cluster1-01: kernel: nvmeof.subsystem.delete:notice]:
NVMe-oF subsystem deleted at address fe80::d239:eaff:fec6:fe97.
Wed Dec 25 17:58:39 -0600 [cluster1-01: kernel: nvmeof.subsystem.delete:notice]:
NVMe-oF subsystem deleted at address fe80::d239:eaff:fec6:f583.
```