



MCC-IP 中的 SingleAdapterToShelf ， NoPathFromSwitchToNSM 和 NoPathToNSMB 警报

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

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适用场景

- NS224 磁盘架
- NSM100 模块固件 1.30
- MetroCluster IP

问题描述

- 出现适配器错误的 AutoSupport 消息。示例：

```
HA Group Notification (Health Monitor process nchm:  
SingleAdapterToShelf_Alert[1741294365895598080]) ALERT
```

```
Controller node_name1 is connected to shelf 1.20 using ports e0c, e0c  
on the same adapter.
```

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```
Controller node_name1 is connected to shelf 1.21 using ports e0c, e0c
on the same adapter.
Controller node_name2 is connected to shelf 1.20 using ports e5b, e5b
on the same adapter.
NoPathFromSwitchToNSM_Alert
```

```
NoPathToNSMB_Alert
```

```
Controller node_name1 is connected only to module B of shelf 1.22
through port e0c, e5b.
Controller node_name2 is connected only to module B of shelf 1.21
through port e0c.
Storage shelf 1.20 module A is not connected to storage switches.
Storage shelf 1.20 module B is not connected to storage switches.
...
存储架 1.22 模块 A 未连接到存储交换机。
Storage shelf 1.22 module A is not connected to storage switches.
```

- 几秒钟后清除多个路径，磁盘架和模块的消息：

```
Sun Aug 29 02:19:53 +0200 [node_name1: nchmd: hm.alert.raised:alert]: Alert Id
= NoPathToNSMB_Alert , Alerting Resource = 1092776019554246656 raised by
monitor node-connect
Sun Aug 29 02:49:54 +0200 [node_name1: nchmd: hm.alert.cleared:notice]: Alert
Id = NoPathToNSMB_Alert , Alerting Resource = 1092776019554246656 cleared by
monitor node-connect
Sun Aug 29 02:49:54 +0200 [node_name1: nchmd: hm.alert.raised:alert]: Alert Id
= NoPathToNSMA_Alert , Alerting Resource = 10389613025330503680 raised by
monitor node-connect
Sun Aug 29 03:19:55 +0200 [node_name1: nchmd: hm.alert.cleared:notice]: Alert
Id = NoPathToNSMA_Alert , Alerting Resource = 10389613025330503680 cleared by
monitor node-connect
Sun Aug 29 03:49:56 +0200 [node_name1: nchmd: hm.alert.raised:alert]: Alert Id
= SingleAdapterToShelf_Alert , Alerting Resource = 1741294365895598080 raised
by monitor node-connect
Sun Aug 29 04:19:57 +0200 [node_name1: nchmd: hm.alert.cleared:notice]: Alert
Id = SingleAdapterToShelf_Alert , Alerting Resource = 1741294365895598080
cleared by monitor node-connect
```

- MetroCluster IP 的一端更新了本地磁盘架 NSM100 模块，但另一端未更新。

```
Tue Aug 31 09:25:59 +0200 [node_name1: dsa_disc:
sfu.firmwareDownrev.shelf:error]: Shelf 0x.shelf20 has downrev firmware.
Tue Aug 31 09:25:59 +0200 [node_name1: dsa_disc:
sfu.firmwareDownrev.shelf:error]: Shelf 0x.shelf21 has downrev firmware.
Tue Aug 31 09:25:59 +0200 [node_name1: dsa_disc:
sfu.firmwareDownrev.shelf:error]: Shelf 0x.shelf22 has downrev firmware.
```

- NS224 磁盘架已在多路径中正确布线