



CXone Mpower EXPERT

驱动器绕过导致控制器进入混合路径状态

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

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适用于

- I/O 模块 (IOM) - 3
- I/O 模块 (IOM) - 6
- I/O 模块 (IOM) - 12
- I/O 嵌入模块 (IOM-E)
- ONTAP 9

问题描述

- 磁盘被绕过并从 `SYSCONFIG -A` 输出中丢失。
- EMS 错误示例：

```
Mon Nov 23 14:43:22 CET [node1: dsa_worker4:  
ds.sas.hostphy.disableErr:critical]: [ 7 ] on channels 0b shelf id 22 IOM B  
Disabled due to excessive invalid dword error.
```

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- SAS-EXPANDER-PHY-STATE，驱动器报告Disabled/[reason]。示例：

```

Expander phy state on 0b.22 (NETAPP :DS224IOM6          1200345678):
          Pwr          Invald Disprt Loss   Phy   CRC   Phy

          Pwr Ccl Rsv Rls DWord  Error  Sync  Reset  Error

Change SATA
PHY/BAY STATE          ON  Cnt Cnt Cnt Count  Count  Count  Prob  Cnt  Cnt
Affiliation
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-----
15/7   Disabled/IDD      YES 0   0   0
21/13  Disabled/BRST_PCD YES 3   0   0

```

- 混合路径存储系统状态示例：

```

::>system node run -node <nodename> -command sysconfig -a NetApp Release 9.5P2: Thu Mar 14
10:01:49 EDT 2019 System ID: 0123456789 (NODE-01); partner ID: 0123456788 (NODE-02) System
Serial Number: 0123456789012 (NODE-01) System Rev: A4 System Storage Configuration: Mixed-Path ...

```