



强制接管和恢复后、AllPathToOneEndOfStack 警报出现

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

Updated: Wed, 22 Apr 2026 07:28:47 GMT

适用场景

- FAS8200
- ONTAP 9
- 服务处理器 (SP)

问题描述

- 关于计划内关闭、请使用no-接管 选项暂停系统。

EMS 日志：

```
Sun Apr 16 08:01:09 JST [node-02: svc_queue_thread:  
clam.notify.halt.result:debug]: CLAM was able to notify its HA partner node  
that the local node is undergoing a planned shutdown (reason: Local node  
shutting down). Error: 0
```

'NetApp provides no representations or warranties regarding the accuracy or reliability or serviceability of any information or recommendations provided in this publication or with respect to any results that may be obtained by the use of the information or observance of any recommendations provided herein. The information in this document is distributed AS IS and the use of this information or the implementation of any recommendations or techniques herein is a customers responsibility and depends on the customers ability to evaluate and integrate them into the customers operational environment. This document and the information

```
Sun Apr 16 08:01:55 JST [node-02: cf_main:
cf.fsm.takeoverOfPartnerDisabled:error]: Failover monitor: takeover of
node-01 disabled (partner halted in notakeover mode).
Sun Apr 16 08:07:39 JST [node-02: vifmgr:
callhome.clus.net.degraded:alert]: Call home for CLUSTER NETWORK DEGRADED:
Cluster LIF Not Assigned to Any Port - Cluster LIF node-02_clus1 (node
node-02) is not assigned to any port.
```

- 启动后、系统节点01无法启动、因此尝试使用SP重新启动系统、但由于BIOS POST失败、系统无法启动。

SP控制台输出：

```
SP node-01> system power cycle
This command will trigger a destage
of ONTAP and will take some time to complete after which the system will
restart. Use "system reset" or "system reset current" to
avoid the delay. Continue? [y/n] y
```

```
SP node-01> system console
Type Ctrl-D to exit.
Loading Device Drivers ...
Configuring
Devices ...
```

```
CPU = 1 Processor(s) Detected.
  Intel(R) Xeon(R) CPU D-1587 @ 1.70GHz (CPU 0)
  CPUID: 0x00050664. Cores per
Processor = 16
65536 MB System RAM Installed.
SATA (AHCI) Device: SV9MST6D120GLM41NP
```

```
Boot Loader version 6.0
Copyright (C)
2000-2003 Broadcom Corporation.
Portions Copyright (C) 2002-2016 NetApp, Inc. All Rights Reserved.
```

```
BIOS POST Failure(s) detected:
PCIe device missing error detected. Abort AUTOBOOT
LOADER-A>
```

- 节点01服务处于关闭状态、因此强制从节点01接管。

```
::> set -privilege advanced
```

```
::*> storage failover takeover -option force -ofnode node-01 -skip-lif-  
migration-before-takeover true
```

- 接管后、服务将恢复、而节点01处于正在等待Givback状态。
- 从节点-02执行恢复、但此后、插槽状态配置错误并 AllPathToOneEndOfStack_Alert 显示。

```
Node node-02  
Monitor node-connect  
Alert ID AllPathToOneEndOfStack_Alert  
Alerting Resource 1  
Subsystem SAS-connect  
Indication Time Mon May 01 09:25:02 2023  
Perceived Severity Major  
Probable Cause Cable_tamper  
Description Controller node-02 is connected to only one end of stack 1  
through disk shelf 1.20.  
Corrective Actions 1. Consult the guide applicable to your IOM6 disk shelf  
to review cabling rules and complete the SAS cabling worksheet for your  
system.  
2. Connect controller node-02 to the first and last disk shelves of stack  
1.  
3. Verify that controller node-02 is cabled to IOM A and IOM B of stack 1.  
4. Contact technical support if the alert persists.  
  
Possible Effect A single disk shelf failure within stack 1 might cause  
controller node-02 to lose access to multiple shelves in the stack.
```

- sysconfig -ac问题描述 出现前的"`''`"：

```
sysconfig: slot 1 OK: X2071A: 4x12Gb miniSAS HD HBA (PM8072)  
sysconfig: slot 2 OK: X1049C: PCI-E Quad 10/100/1000 Ethernet 82580 (v3.29  
and above)  
sysconfig: slot 3 OK: X3311A: Samsung M.2 1TB NVMe Drive  
sysconfig: No shelf configuration errors detected.  
sysconfig: There are no configuration errors.
```

- sysconfig -ac问题描述 出现前的"`''`"：

```
sysconfig: Samsung M.2 1TB NVMe Drive card (PN X3311A) in slot 1 must be in  
one of these slots: 3,4.  
sysconfig: No shelf configuration errors detected.
```