



CXone Mpower EXPERT

具有内部互连的节点上的HA链路已关闭

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

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适用场景

- AFF A220
- AFF A150
- FAS 27xx
- HA (高可用性)互连

问题描述

- HA互连通过中板进行、事件日志会将链路报告为已关闭：

```
Sat Oct 23 21:35:49 +0200 [node: gop_eq_thread: ic.linkStatusChange:info]: HA
interconnect: Port ic0a link is down.
Sat Oct 23 21:35:49 +0200 [node: ctrl_hb_port_ic0a: ctrl.rdma.heartBeat:info]:
HA interconnect: Missed heartbeat to 192.0.1.5.
Sat Oct 23 21:36:13 +0200 [node: cfdisk_config:
```

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```
cf.diskinventory.sendFailed:debug]: params: {'errorCode': '0', 'reason': 'HA
Interconnect down'}
```

- 在某些情况下、可能还会看到HA链路发生闪烁。
- 已禁用集群HA：

```
Cluster::> cluster ha show
```

```
High-Availability Configured: false
```

```
High-Availability Backend Configured (MBX): -
```

```
Warning: Cluster HA has not been configured. Cluster HA must be configured
on a two-node cluster to ensure data access availability in the
event of storage failover. Use the "cluster ha modify -configured
true" command to configure cluster HA.
```

- 尝试配置HA失败、并显示以下错误：

```
Cluster::> cluster ha modify -configured true
```

```
Warning: High Availability (HA) configuration for cluster services requires
that both SFO storage failover and SFO auto-giveback be enabled. These
actions will be performed if necessary.
```

```
Do you want to continue? {y|n}: y
```

```
Error: command failed: Could not retrieve partner SFO information: entry
doesn't exist.
```

- 两个节点上的链路均报告为已关闭：

```
Cluster::*> system ha interconnect status show
```

```
Node: Node-01
```

```
Link Status: down
```

```
IC RDMA Connection: down
```

```
Node: Node-02
```

```
Link Status: down
```

```
IC RDMA Connection: down
```

```
2 entries were displayed.
```