



FAS8300、FAS8700、AFF/ASA C400 オンボード ポートが停止してテイクオーバーが発生する

https://kb-ja.netapp.com/on-prem/ontap/OHW/OHW-KBs/FAS8300_onboard_ports_go_down_leading_t...

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環境

- FAS8300
- FAS8700
- AFF A400、AFF C400
- ASA A400、ASA C400

問題

- FAS8300、FAS8700、AFF A400、AFF C400、ASA A400、AFF C400 システムのオンボード e0a/e0b/e0c/e0d イーサネットポートでリンクダウンエラーが発生し、その後ノードのテイクオーバーが発生します。

- 25GbEイーサネット ポート e0aとe0bはHAインターコネクに使用されます
- 40/100GbEイーサネット ポート e0cとe0dは通常クラスターインターコネクに使用されます（スロット 3にX1151Aを搭載したAFF A400とASA A400を除く）
- 次のエラーが表示されます：

```
Fri Oct 08 00:37:27 -0400 [node-01: kernel: netif.linkDown:info]: Ethernet
e0a: Link down, check cable.
Fri Oct 08 00:37:27 -0400 [node-01: intr: rlib.ifconfig.linkEvent:notice]:
params: {'eventType': 'DOWN', 'ifname': 'e0a'}
Fri Oct 08 00:37:27 -0400 [node-01: kernel: netif.linkDown:info]: Ethernet
e0b: Link down, check cable.
Fri Oct 08 00:37:27 -0400 [node-01: intr: rlib.ifconfig.linkEvent:notice]:
params: {'eventType': 'DOWN', 'ifname': 'e0b'}

Fri Oct 08 00:37:27 -0400 [node-01: kernel: netif.linkDown:info]: Ethernet
e0c: Link down, check cable.
Fri Oct 08 00:37:27 -0400 [node-01: kernel: netif.linkDown:info]: Ethernet
e0d: Link down, check cable.
Fri Oct 08 00:37:28 -0400 [node-01: cf_main:
cf.fsm.takeoverByPartnerDisabled:error]: Failover monitor: takeover of
node-01 by node-02 disabled (HA interconnect error. Verify that the
partner node is running and that the HA interconnect cabling is correct,
if applicable. For further assistance, contact technical support).
Fri Oct 08 00:37:28 -0400 [node-01: cf_firmware:
cf.fm.partnerFwTransition:info]: params: {'progresscounter': '0',
'newstate': 'SF_UNKNOWN', 'prevstate': 'SF_UP'}
Fri Oct 08 00:37:30 -0400 [node-01: nvmm_mirror_sync:
nvmm.mirror.aborting:debug]: mirror of sysid 1, partner_type HA Partner
and mirror state NVMM_MIRROR_LAYOUT_SYNCING is aborted because of reason
NVPM_ERR_MSG_SEND_FAILED.
Fri Oct 08 00:37:30 -0400 [node-01: vifmgr: vifmgr.portdown:notice]: A
link down event was received on node node-01, port e0c.
Fri Oct 08 00:37:30 -0400 [node-01: vifmgr:
vifmgr.clus.linkdown:EMERGENCY]: The cluster port e0c on node node-01 has
gone down unexpectedly.

Fri Oct 08 00:37:32 -0400 [node-01: cf_main:
cf.fsm.partnerNotResponding:notice]: Failover monitor: partner not
```

responding

```
Fri Oct 08 00:37:32 -0400 [node-01: cf_main:  
cf.fsm.takeoverCountdown:info]: Failover monitor: takeover scheduled in 10  
seconds
```

```
Fri Oct 08 00:37:42 -0400 [node-01: cf_main:  
cf.fsm.takeover.noHeartbeat:alert]: Failover monitor: Takeover initiated  
after no heartbeat was detected from the partner node.
```

```
Fri Oct 08 00:37:42 -0400 [node-01: cf_main: cf.fsm.stateTransit:info]:  
Failover monitor: UP --> TAKEOVER
```

または

- クラスタ ポートが停止し、一方のノードがテイクオーバーされます。

```
Sep 25 04:34:47 [node02:vifmgr.clus.linkdown:EMERGENCY]: The cluster port  
e0c on node node02 has gone down unexpectedly.
```

```
Sep 25 04:36:45 [node02:vifmgr.clus.linkdown:EMERGENCY]: The cluster port  
e0d on node node02 has gone down unexpectedly.
```

- 一方のノードで「out of quorum」パニックが発生する。

```
PANIC : Received PANIC packet from partner, receiving message is  
(Coredump and takeover initiated because Connectivity, Liveliness and  
Availability Monitor (CLAM) has determined this node is out of quorum.)
```