



Link Resetting messages repeat for CX6 NIC X91153A

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

Updated: Wed, 22 Apr 2026 02:10:11 GMT

Applies to

- AFF-A900
- ONTAP 9
- CX6 PSID Card

Issue

- The **Link Resetting** messages have been repeating since June 30, 2024, on node node-01 in slot 2

`SYSCONFIG -A`

`slot 2: Dual 40G/100G/200G Ethernet Controller CX6`

`SYSCONFIG -AC`

`sysconfig: slot 2 OK: X91153A: 2p 40G/100G RoCE QSFP28`

EMS

(2024 Jun)

```
Sun Jun 30 00:17:51 +0900 [node-01: kernel: netif.linkInfo:info]: Ethernet adapter e2a(pci0:51:0:0) has generated a register dump in /mroot/etc/mlx5log : Link Resetting.
```

```
Sun Jun 30 00:17:51 +0900 [node-01: kernel: netif.linkInfo:info]: Ethernet adapter e2a(pci0:51:0:0) failed to generate a register dump with error = 17 : Link Resetting.
```

```
Sun Jun 30 00:17:51 +0900 [node-01: kernel: netif.linkInfo:info]: Ethernet adapter e2b(pci0:51:0:1) has generated a register dump in /mroot/etc/mlx5log : Link Resetting.
```

```
Sun Jun 30 00:17:51 +0900 [node-01: kernel: netif.linkInfo:info]: Ethernet adapter e2b(pci0:51:0:1) failed to generate a register dump with error = 17 : Link Resetting.
```

(2025...)

```
Thu Sep 25 20:00:55 +0900 [node-01: kernel: netif.linkInfo:info]: Ethernet adapter e2a(pci0:51:0:0) failed to generate a register dump with error = 17 : Link Resetting.
```

```
Thu Sep 25 20:08:50 +0900 [node-01: CCMA-Worker: netif.linkInfo:info]: Ethernet adapter e2a(pci0:51:0:0) failed to generate a register dump with error = 17 : Link Resetting.
```

```
Thu Sep 25 20:11:05 +0900 [node-01: CCMA-Worker: netif.linkInfo:info]: Ethernet adapter e2a(pci0:51:0:0) has generated a register dump in /mroot/etc/mlx5log : Link Resetting.
```

```
Thu Sep 25 20:15:27 +0900 [node-01: kernel: netif.linkInfo:info]: Ethernet adapter e2b(pci0:51:0:1) failed to generate a register dump with error = 17 : Link Resetting.
```

```
Thu Sep 25 20:17:42 +0900 [node-01: kernel: netif.linkInfo:info]: Ethernet adapter e2b(pci0:51:0:1) has generated a register dump in /mroot/etc/mlx5log : Link Resetting.
```

- During the NDU upgrade from ONTAP 9.12.1P7 to 9.15.1P14, the node node-01 with this unstable CX6 NIC experienced a panic

```
cluster::*> storage failover takeover -ofnode node-01
cluster::*> Files /cfcard/x86_64/freebsd/imagel/VERSION and /var/VERSION differ
ERROR: /var cannot be downgraded.
Waiting for PIDS: 1392.
Terminated
.
Setting default boot image to imagel...
done.
Uptime: 722d2h54m27s
PANIC : peg_nvmeof_qpairo_flush_request: Failed to move RDMA qp (0xfffff804eac60c00) to error state: -60
```

```
version: 9.12.1P7: Fri Sep 15 02:00:51 EDT 2023
conf   : x86_64.optimize
cpuid = 3
KDB: stack backtrace:
vpanic() at vpanic+0x429/frame 0xfffffe121d094210
panic() at panic+0x42/frame 0xfffffe121d094270
peg_nvmeof_qpair_flush_request() at peg_nvmeof_qpair_flush_request+0x74a/
frame 0xfffffe121d094360
peg_nvmeof_ctrlr_fail_task() at peg_nvmeof_ctrlr_fail_task+0xa8/frame
0xfffffe121d094390
stack_zero() at stack_zero+0x137/frame 0xfffffe121d0943f0
taskqueue_thread_loop() at taskqueue_thread_loop+0x9b/frame
0xfffffe121d094430
fork_exit() at fork_exit+0xb2/frame 0xfffffe121d094470
fork_trampoline() at fork_trampoline+0xe/frame 0xfffffe121d094470
--- trap 0, rip = 0, rsp = 0, rbp = 0 ---
Uptime: 722d2h56m51s
```

```
PANIC: peg_nvmeof_qpair_flush_request: Failed to move RDMA qp
(0xfffff804eac60c00) to error state: -60 in process peg_nvmeof_taskq_31 on
release 9.12.1P7 (C) on Thu Sep 25 20:19:51 KST 2025
```

```
version: 9.12.1P7: Fri Sep 15 02:00:51 EDT 2023
```

- After the panic reboot, the CX6 NIC on node node-01 was no longer recognized in the sysconfig -a output

Before NDU:

```
slot 1: Dual 40G/100G/200G Ethernet Controller CX6
slot 2: Dual 40G/100G/200G Ethernet Controller CX6
      e2a MAC Address:   xx:xx:xx:xx:xx:90 (auto-100g_cr4-fd-up)
      e2b MAC Address:   xx:xx:xx:xx:xx:91 (auto-100g_cr4-fd-up)
slot 3: Quad 10G/25G Ethernet Controller CX5
```

After NDU:

```
slot 1: Dual 40G/100G/200G Ethernet Controller CX6
slot 3: Quad 10G/25G Ethernet Controller CX5
```