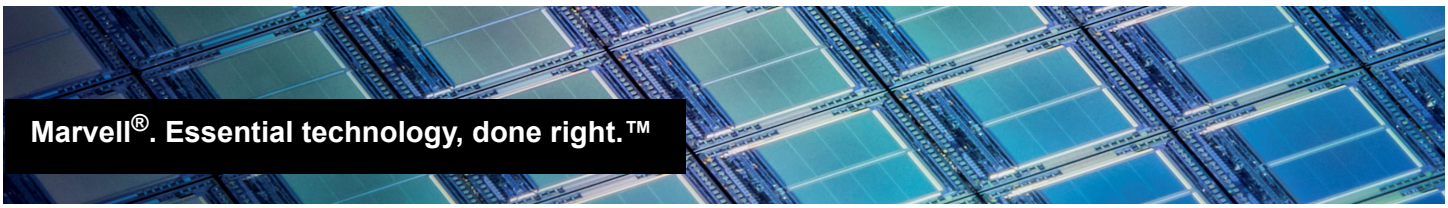

Disabling the FCoE Function on HPE® FlexFabric® Adapters from Marvell®

Products Affected

HPE Model	Part Number
HPE FlexFabric 10Gb 2-port FLR-T 57810S Adapter (533FLR-T)	700759-B21
HPE Ethernet 10Gb 2-port FLR-SFP+ 57810S Adapter (534FLR-SFP+)	700751-B21
HPE FlexFabric 10Gb 2-port 534FLB	700741-B21
HPE FlexFabric 10Gb 2-port 534M	700748-B21
HPE FlexFabric 10Gb 4-port FLR-T 57840S Adapter (536FLR-T)	764302-B21
HPE FlexFabric 10Gb 2-port 536FLB	766490-B21
HPE FlexFabric 20Gb 2-port 630FLB	700065-B21
HPE FlexFabric 20Gb 2-port 630M	700076-B21
HPE CN1100R	QW990A
HPE CN1100R-T	N3U52A
HPE Synergy 2820C	794538-B21
HPE Synergy 3820C	777430-B21

1 Introduction

This application note describes a condition in VMware® vSphere®/ESXi environments where it is necessary to turn off or disable the Fibre Channel over Ethernet (FCoE) function on the adapters listed in the *Products Affected* table.

2 Issue: vmkernel Logs Filled with FCoE Data

In VMware environments, when the HPE FlexFabric adapter operates as NIC-only, the FCoE discovery function of the Converged Network Adapter fills vmkernel logs, which overwrites the log data for other issues being investigated.

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To resolve this issue, the FCoE function must be disabled on the adapter when operating as NIC-only in VMware environments.

3 Workaround: Disabling the FCoE Storage Function on HPE 53*x*/63*x* and CN1100 Series Adapters

At the time of publication, there are three ways to disable the storage (FCoE) function on the HPE FlexFabric 53*x*/63*x* and CN1100 Series adapters. Follow the instructions for the method that best suits your system configuration.

Section 3.1, Disabling FCoE in VMware

Section 3.2, Removing the FCoE Driver

Section 3.3, Disabling the `libfcoe` Driver in VMware

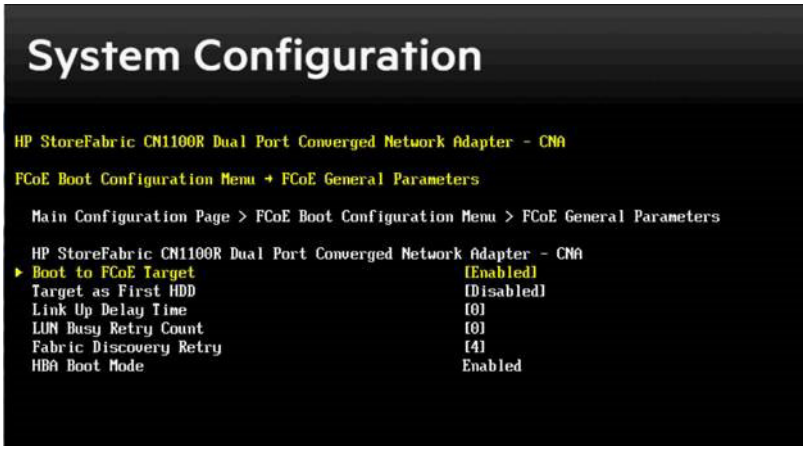
3.1 Disabling FCoE in VMware

Note

The following instructions disable all FCoE connectivity to the VMware host.

To disable FCoE in VMware:

1. Reboot the server and launch the System Configuration menu.
2. In the System Configuration menu:
   a. Select the adapter.
   b. Ensure that the **Boot to FCoE Target** feature is set to **Disabled**.



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3. Issue the esxcli `fcoe nic disable` command to turn off the FCoE function. Instructions for using this command are located on the following VMware websites:
   - ❑ vSphere 5

     https://pubs.vmware.com/vsphere-50/index.jsp?topic=%2Fcom.vmware.vcli.ref.doc_50%2Fesxcli_fcoe.html
   - ❑ vSphere 6

     http://pubs.vmware.com/vsphere-65/index.jsp?topic=%2Fcom.vmware.vcli.ref.doc%2Fesxcli_fcoe.html

3.2 Removing the FCoE Driver

Remove the FCoE driver by issuing the following command in VMware:

```
esxcfg-module -d bnx2fc
```

3.3 Disabling the `libfcoe` Driver in VMware

Note

The following instructions disable all FCoE connectivity to the VMware host.

Turn off the `libfcoe` driver by issuing the following command:

```
# esxcfg-module -d fcoe
```

In addition, stop `libfcoe` from loading by issuing the following command:

```
#esxcfg-module -d libfcoe_92
```


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Document Revision History
Rev A, February 28, 2017
Rev B, September 5, 2019
Rev C, February 23, 2021
Changes
Removed StoreFabric® nomenclature.
In the Products Affected table, renamed the 533FLR-T, 534FLR SFP+, and 536FLR-T adapters.

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