Application Note
Changing Storage Personality in SF Mode Using CCM with
BIOS-based Boot on HPE ProLiant Servers

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Products Affected

Product Name
HPE® StoreFabric® CN1100R Converged Network Adapters
HPE 57810S/57840S FlexFabric Adapters

Introduction

This application note provides instructions for changing the single-function (SF) storage personality on HPE 57810S/57840S Series FlexFabric Adapters and HPE StoreFabric CN1100R Converged Network Adapters in HPE ProLiant® servers using the Comprehensive Configuration Manager (CCM) tool. CCM is integrated into the BIOS on each adapter.

Prerequisites

To change the storage personality, you need:

■ One or more HPE 57810S/57840S Series FlexFabric Adapters and/or HPE StoreFabric CN1100R Converged Network Adapters

■ An HPE ProLiant® server

Changing the Storage Personality in Single Function Mode

To configure NPAR:

1. Start CCM, and then select an adapter and port to manage.

   The Main Menu opens.

2. Select **Device Hardware Configuration**.

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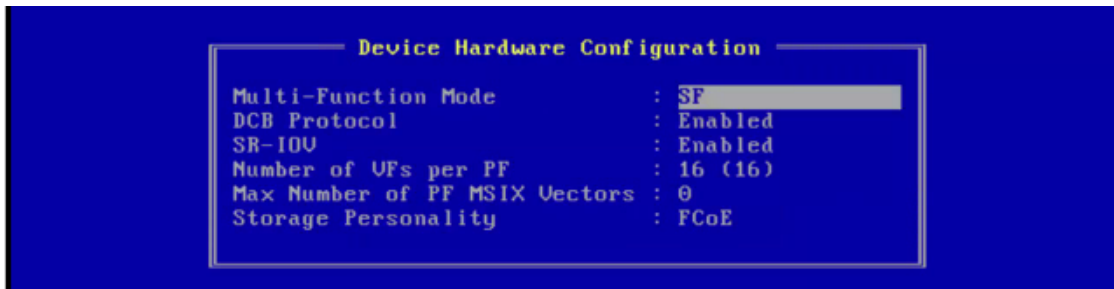The Device Hardware Configuration menu opens (see Figure 1).

Figure 1. Device Hardware Configuration Menu

In Figure 1, the **Multi-Function Mode** parameter is set to the default of single function (**SF**) mode. This setting is the default for HPE FlexFabric 57810S/57840S adapters. For HPE 53xFLB adapters in HPE BladeSystem servers, the default setting is **MF Allowed**, which is not the same as NPAR.

The **Storage Personality** parameter defaults to **FCoE**. (The default varies, depending on the adapter model.) This parameter appears only for adapters that support storage capabilities.

3.   Change the value of the **Storage Personality** parameter by pressing the DOWN ARROW key until the **Storage Personality** parameter value is highlighted. Press the RIGHT ARROW key until the desired value appears.

The values for the **Storage Personality** parameter vary, depending on the adapter model.

4.   Press ESC until the **Exit Configuration** menu appears.

5.   Select **Exit and Save Configuration**, and then press ENTER.

This option saves your changes.

6.   Reboot the server.

7.   Optionally, open the **Device Manger** to view the changes.

References

For more information, see the following:

■   Marvell Network Partitioning (NPAR) for HPE ProLiant® Servers Solution Sheet, part number SN0430982-00, located at:
https://www.marvell.com/docs/hpe/assets/hpe-marvell-npar-hpe-proliant-servers.pdf

■   Marvell video, "Make I/O Matter: NPAR Configuration with CCM for HP Gen8 Servers," located at:
https://www.youtube.com/watch?v=8kz4JopSbjk

■   Marvell video, "Make I/O Matter: Overview of NPAR for HP Server Environments," located at:
https://www.youtube.com/watch?v=kD6z__WSPkQ&feature=youtu.be

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Document Revision History
Revision A, January 26, 2015
Revision B, July 26, 2019
Revision C, February 12, 2021
Changes
Re-branded to Marvell.
Removed 53X Series Flexible Network Adapters.
Added HPE PexFabric Adapters
Updated References section.

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