

Upgrade a Fabric Card

This chapter describes the procedure to upgrade the NCS4009-FC2-S fabric card to the NCS4009-FC2F-S fabric card.

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Purpose	This procedure provides instructions for upgrading from a NCS4009-FC2-S fabric card to a NCS4009-FC2F-S fabric card.
Tools/Equipment	None
Prerequisite Procedures	Login to CTC.
Required/As Needed	As needed
Onsite/Remote	Onsite or remote
Security Level	Provisioning or higher

Procedure

Step 1 In node view, click the **Maintenance** tab.

Step 2 Click **Fabric Upgrade** to get the current Fabric Details. The table displays the following details:

Title	Description
Plane ID	Displays all the plane IDs.
Plane Admin Status	Displays current admin status of all planes. The admin status can either be Up or Down.
Plane Oper Status	Displays current operational status of all planes. The operational status can either be Up or Down.
Hardware Status	Displays hardware status of all Fabrics. The possible states are IS-NR and OOS-AU, indicating In-service and Out-of-service, respectively.

Title	Description
Product ID	Displays the Product ID of all fabrics. Before upgrade, the displayed product ID is NCS4009-FC2-S.

Note
The Plane Admin status and the Plane Oper status need to be Up for all the Plane IDs before proceeding with the fabric card upgrade.

The Fabric Details table is for display purpose only, the displayed elements cannot be selected.

Step 3 In the **Upgrade Wizard** pane, select the fabric plane from the **Available Fabrics** drop-down menu.

Step 4 Click **Next** to shutdown the selected fabric plane; this is indicated as Step 1.

The **Available Fabrics** option is grayed-out until the upgrade process for the selected fabric card is complete.

From this step onwards, we shall refer to the right side of the **Upgrade Wizard** pane, where the steps are discussed for the fabric card upgrade.

Step 5 Click **Yes** on the **Confimation Dialog** .

A message is displayed indicating that the selected plane was successfully shutdown.

Step 6 Click **Next** to shutdown the selected fabric card; this is indicated as Step 2.

Check the Plane Admin Status, Plane Oper Status and Hardware Status in the Fabric Details pane. They will be displayed as Down, Down, OOS, DSBLD respectively.

Click **Revert** if you do not wish to proceed with the upgrade and unshut the plane.

Step 7 Remove the NCS4009-FC2-S fabric card.

Step 8 Install the NCS4009-FC2F-S fabric card and the auxiliary fan tray (NCS4009-FAN-FC).

Step 9 Click **Next**. This is indicated as Step 3.

Click **Revert** if you do not wish to proceed with the upgrade and unshut the fabric card. Do not use this option after manually replacing the fabric card.

Step 10 Wait for the Hardware Status column, in the Fabric Details pane, to display the current status of the fabric card and click **Next**. This is indicated as Step 4.

The Hardware Status is now displayed as IS-NR, IS-NR and both the PIDs (fabric card and the auxiliary fan tray) are displayed in the Product ID column. This may take a few minutes.

Step 11 Click **Next** to upgrade all FPDs of the selected fabric. This is indicated as Step 5.

Step 12 On choosing to upgrade the FPD device, a message is displayed recommending the user to check the FPD status under the **Maintenance** > **Software** > **FPD Upgrade** tab.

The user has an option to click **Skip** to proceed without upgrading the FPD devices. The user can revisit the **FPD Upgrade** tab anytime to upgrade the FPDs. The user can choose to skip the FPD upgrade if the new cards have their FPD images already aligned.

Step 13 Check the current status of the newly installed FC. Reload the FC if the current status is indicated as *Reload required*.

Step 14 Click **Finish**, to activate (no shutdown) the fabric plane. This is indicated as Step 6.

Check the Plane Admin Status, Plane Oper Status and Hardware Status. They will be displayed as Up, Up, IS-NR, IS-NR respectively.

The **Available Fabrics** drop-down menu is now available, wherein the user can select another fabric card.

What to do next

After all the fabric cards are upgraded to the NCS4009-FC2F-S fabric card, the air filter needs to be replaced. The NCS4009-FC2F-S fabric card supports Cisco PID NCS4009-FTF-2.