



Managing Software and Configuration Files



Note

For more information about managing software image and configuration files using the command-line interface (CLI), refer to the *Cisco 9000 Family Configuration Guide* or the *Cisco 9000 Family Command Reference*.

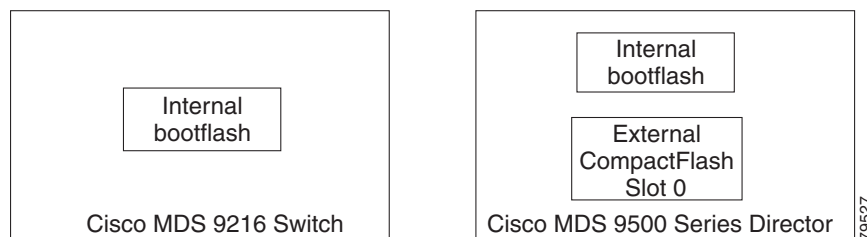
Each switch in the Cisco MDS 9000 Family is shipped with a Cisco Multilayer intelligent SAN operating system called SAN-OS, and two images:

- The kickstart image—Loads the kernel and basic drivers
- The system image—Loads the system image

To upgrade to a different software version, you need to download the new image software to your local switch. To start running the new image files, use the CLI to change the relevant configuration variables to point to the new images and restart the switch.

All Cisco MDS 9000 Family switches contain internal bootflash memory that resides in the supervisor module. Cisco MDS 9500 Series directors contain an additional external CompactFlash called slot0: (see [Figure 6-1](#)).

Figure 6-1 Flash Devices in the Cisco MDS 9000 Family



Upgrading a software image does not disrupt use of the startup configuration file, which you can still use after the upgrade. When you restart the switch, the startup configuration is converted so that it is usable by the new image.

Procedures for managing software configuration files include:

- [Downloading Software Images](#)
- [Copying Configuration Files](#)
- [Saving Configurations](#)

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Downloading Software Images

To download software images, perform the following steps.

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- Step 1** From the Device Manager, choose **Software Image** from the Admin menu.
The Download Software Image dialog box is displayed.
- Step 2** Specify the Server Address from which you want to download the file.
- Step 3** Specify the Source Name and Destination name for the file.
- Step 4** Click Apply to begin downloading the image. Click Cancel to close the Download Software Image dialog without downloading.



Note

You can also use the Fabric Manager's Software Upgrade wizard by selecting Software Upgrade from the Fabric Manager's Edit menu.



Note

You can access the field descriptions for the windows or dialog boxes in this procedure in the Reference section of the Fabric Manager or Device Manager help systems.

Copying Configuration Files

To copy configurations, perform the following steps.

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- Step 1** From the Device Manager, choose **Copy Configuration** from the Admin menu.
The Copy Configuration dialog box is displayed.
- Step 2** Specify the Server Address from which you want to copy the file.
- Step 3** Specify the File Name of the file you want to copy.
- Step 4** Specify the protocol you want to use.
- Step 5** If necessary, enter the UserName and Password for the switch from which you want to copy the file.
- Step 6** Click Apply to begin copying the image. Click Cancel to close the Copy Configuration dialog without downloading.



Note

You can also use the Fabric Manager's Software Upgrade wizard by selecting Software Upgrade from the Fabric Manager's Edit menu.



Note

You can access the field descriptions for the windows or dialog boxes in this procedure in the Reference section of the Fabric Manager or Device Manager help systems.

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Saving Configurations

To save configurations from the Device Manager, perform the following steps.

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- Step 1** Choose **Save Configuration** from the Admin menu.
You are prompted whether you wish to copy the running configuration to the startup configuration.
- Step 2** Click **Yes** to save the configuration.



Note You can access the field descriptions for the windows or dialog boxes in this procedure in the Reference section of the Fabric Manager or Device Manager help systems.

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