



Configuration Files

This chapter describes how to update configuration files. It includes the following sections:

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Working with Configuration Files

Configuration files can contain some or all of the commands needed to configure one or more switches. For example, you might want to download the same configuration file to several switches that have the same hardware configuration so that they have identical module and port configurations.

You can configure a switch in the Cisco MDS 9000 Family by using configuration files you create or download from another switch. In addition, you can store configuration files on a bootflash device on the supervisor module and you can configure the switch using a configuration stored on an external CompactFlash disk. Before you begin downloading a configuration file using a remote server, do the following:

- Ensure the configuration file to be downloaded is in the correct directory on the remote server.
- Ensure that the permissions on the file are set correctly. Permissions on the file should be set to world-read.
- Ensure the switch has a route to the remote server. The switch and the remote server must be in the same subnetwork if you do not have a router or default gateway to route traffic between subnets.
- Check connectivity to the remote server using the **ping** command.

Saving the Configuration File

To copy the configuration file, follow these steps:

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- Step 1** In Device Manager, select **Admin > Save Configuration**.
You see the message “Really save running to startup configuration?”
- Step 2** Click **Yes** to save the configuration. Click **No** to close the popup without saving the configuration.
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Copying the Configuration File

You can copy the running configuration to the startup configuration across the entire fabric in Cisco MDS SAN-OS Release 2.1(1a) or later by using the `fabricStartupConfig` option. This triggers every switch in the fabric to copy its running configuration to its startup configuration.



Note

If any switch fails during this fabric-wide copy, that switch and the switch that you used to initiate this command will keep the existing startup configuration. This does not affect the other switches in the fabric.

To copy the configuration file, follow these steps:

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- Step 1** In Device Manager, select **Admin > Copy Configuration**. You see the Copy Configuration dialog box.
 - Step 2** Select the location of the file you want to copy From (serverFile, startupConfig, runningConfig).
 - Step 3** Select the location of the file you want to copy To (serverFile, runningConfig, fabricStartupConfig)



Note

You can copy a file fabric-wide using the `fabricStartupConfig` option, available in Cisco MDS SAN-OS Release 2.1(1a) or later.

- Step 4** Enter the address of the source server.
 - Step 5** Click the ... button to browse for the source file on the switch or the server, depending on the type of copy.
 - Step 6** Select the protocol you want to use to perform the copy procedure.
 - Step 7** Enter the username and password you use to access the switch or server.
 - Step 8** Click **Apply**.
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