CHAPTER 9

Managing the System and Components

The Fabric Manager allows you to configure and monitor modules on multiple Cisco MDS 9000 switches. The Device Manager allows you to configure and monitor modules on a single Cisco MDS 9000 switch.

Note For information about configuring the chassis and its components using the command-line interface (CLI), refer to the *Cisco 9000 Family Configuration Guide*.

Procedures for managing the system and components include:

Viewing System Attributes

To manage system attributes, perform the following steps.

Step 1 From the Fabric Manager, choose **Switches** on the menu tree, OR
From the Device Manager, choose **System** from the Admin menu.

The Fabric Manager Information pane displays system attributes for multiple switches. The dialog box from the Device Manager displays system attributes for a single switch.

Step 2 Configure the system attributes for the chassis.

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.

Viewing Running Processes

To view information about the processes currently running on a switch, perform the following step.

Step 1 From the Device Manager, choose **Running Processes** from the Admin menu.

You see the Running Processes dialog box.

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.

Viewing Flash File Information

To view information about the files currently stored in flash memory on the switch, perform the following step.

Step 1 From the Device Manager, choose **Flash Files** from the Admin menu.

You see the Flash Files dialog box.

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.

Managing Inventory Information

To manage inventory attributes, perform the following steps.

Step 1 From the Fabric Manager, choose **Switches** > **Modules** on the menu tree and click the **Inventory** tab, OR From the Device Manager, choose **Inventory** from the **Physical** menu.

The Fabric Manager Information pane displays system attributes for multiple switches. The dialog box from the Device Manager displays system attributes for a single switch.

Step 2 Configure the inventory attributes for the module.

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.

Managing Card Attributes

To manage card status attributes, perform the following steps.

Step 1 From the Fabric Manager, choose **Switches > Modules** on the menu tree and click the **Card Status** tab, OR
From the Device Manager, choose **Modules** from the Physical menu.

The Information pane from the Fabric Manager displays card attributes for multiple switches. The dialog box from the Device Manager view displays attributes for a single switch.

Step 2 Configure the status attributes for the module.

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.

Managing Temperature Sensor Information

To monitor sensor temperature attributes, perform the following steps.

Step 1 From the Fabric Manager, choose **Switches > Modules** on the menu tree and click the **Temperature Sensors** tab, OR
From the Device Manager, choose Temperature **Sensors** from the **Physical** menu.

The Information pane from the Fabric Manager displays sensor temperature attributes for multiple switches. The Sensors dialog box from the Device Manager displays sensor temperature attributes for a single switch.

Step 2 Configure the sensor attributes.

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.

Managing Power Supplies

To manage power supply power attributes, perform the following steps.

Step 1 From the Fabric Manager, choose **Switches > Modules** on the menu tree and click the **Power Supplies** tab, OR
From the Device Manager, choose **Power Supplies** from the Physical menu.

The Information pane from the Fabric Manager displays power supply power attributes for multiple switches. The dialog box from the Device Manager displays power supply power attributes for a single switch.

Step 2 Configure the power attributes for the power supply.

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.

Managing NTP

You can create or view NTP peers and servers from the Fabric Manager or Device Manager. You do not need to specifically enable NTP on a peer or server. If there is an entry, then "enabled" is implied.

The list below shows the NTP tasks you can perform.

- Display General NTP Statistics for a Switch, page 9-4
- Create an NTP Server or Peer, page 9-5
- Edit an NTP Server or Peer Configuration, page 9-5
- Delete an NTP Server or Peer, page 9-6

Display General NTP Statistics for a Switch

To display general NTP statistics for a switch, perform the following steps.

Step 1 From the Fabric Manager, select **Switches > NTP** from the Physical pane of the menu tree, OR
From Device Manager, choose **NTP** from the **Admin** menu.

The NTP dialog box is displayed.

Step 2 Click the **General** tab.

The general NTP statistics for that switch are displayed.

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.

Create an NTP Server or Peer

To create an NTP server or peer, perform the following steps.

Step 1 From the Fabric Manager, select **Switches > NTP** from the Physical pane of the menu tree, OR From Device Manager, choose **NTP** from the **Admin** menu.

The NTP dialog box is displayed.

Step 2 Click the **Peer** tab.

A list of NTP peers and servers for that switch is displayed.

Step 3 Click the **Create** button.

The Create NTP Peer dialog box is displayed.

Step 4 Enter the peer address in the Peer Address field.

Step 5 Select the mode (peer or server).

Step 6 Click the PrefPeer checkbox if you want this peer to be a Preferred Peer.

Step 7 Click the **Create** button to create the peer or server; click the **Close** button to close the Create NTP Peer dialog box without creating the peer or server.

The newly created peer or server is listed under the Peer tab.

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.

Edit an NTP Server or Peer Configuration

To create an NTP server or peer, perform the following steps.

Step 1 From the Fabric Manager, select **Switches > NTP** from the Physical pane of the menu tree, OR From Device Manager, choose **NTP** from the **Admin** menu.

The NTP dialog box is displayed.

Step 2 Click the **Peer** tab.

A list of NTP peers and servers for that switch is displayed.

Step 3 To change the peer address, double click on the IP address in the Peer Address column, and change the numbers. Alternatively, you can triple click on the IP address and type in a new address.

Step 4 To change the mode from peer to server, click on the mode in the Mode column next to the address of the switch for which you want to change the mode.

A dropdown list is displayed with the options **peer** or **server**. Select the mode you want for your switch.

Step 5 To change the Preferred Peer status to Preferred Peer, check the **PrefPeer** checkbox next to the address of the switch for which you want to change the status. To remove this status, uncheck the box.

Step 6 Click the **Apply** button to apply your changes to the switch, or click the **Close** button to close the NTP Peer dialog box without saving your changes.

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.

Delete an NTP Server or Peer

To delete an NTP server or peer, perform the following steps.

Step 1 From the Fabric Manager, select **Switches > NTP** from the Physical pane of the menu tree, OR From Device Manager, choose **NTP** from the **Admin** menu.

The NTP dialog box is displayed.

Step 2 Click the **Peer** tab.

A list of NTP peers and servers for that switch is displayed.

Step 3 To delete a server or peer, click on the IP address in the Peer Address column.

Step 4 The Delete button is enabled.

Step 5 Click the **Delete** button to delete the peer or server, or click the **Close** button to close the NTP Peer dialog box without deleting the peer.

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.