Getting Started

This chapter describes how to get started using Chassis Manager and contains these sections:

Preparing Your Device

To launch Chassis Manager on your Server Switch, you must do the following tasks:

- Configure an IP address on the Ethernet management port.
- Configure an IP gateway on the Ethernet management port.
- Enable HTTP and/or HTTPS services.

Note Chassis Manager optionally supports Secure Sockets Layer (SSL) secure connections.

If your device meets these requirements, proceed to "Launching Chassis Manager" section on page 2-2. Otherwise, to prepare your device, perform the following steps:

Note Consult your network administrator for an IP address, subnet mask, and gateway address before you begin this process.

Step 1 Use the Serial Console port to open a CLI session to your device, then log in as a user with administrative access.

Step 2 Enter the **enable** command to enter Privileged Exec mode.

```
SFS-7000> enable
SFS-7000#
```

Step 3 Enter the **configure terminal** command to enter global configuration mode.

```
SFS-7000# configure terminal
SFS-7000(config)#
```

Step 4 Enter the **interface mgmt-ethernet** command to enter Ethernet management interface configuration submode.

```
SFS-7000(config)# interface mgmt-ethernet
SFS-7000(config-if-mgmt-ethernet)#
```

Step 5 Enter the **ip address** command and an address and subnet mask. Consult your network administrator for an IP address. You will use this address in your web browser to launch Chassis Manager.

```
SFS-7000(config-if-mgmt-ethernet)# ip address 10.3.102.66 255.255.0.0
```

Step 6 Enter the **gateway** command and then a default IP gateway. Consult your network administrator for a gateway address.

```
SFS-7000(config-if-mgmt-ethernet)# gateway 10.3.0.1
```

Step 7 Enter the **no shutdown** command to enable the Ethernet Management port.

```
SFS-7000(config-if-mgmt-ethernet)# no shutdown
```
Example

Step 8 Enter the **exit** command to return to global configuration mode

```
SFS-7000(config-if-mgmt-ethernet)# exit
```
Example

Step 9 Enable HTTP and/or HTTPS services.

a. (Optional) Enter the **ip http server** command to enable HTTP services on your device to permit unsecured access to your Server Switch.

```
SFS-7000(config)# ip http server
```

b. (Optional) Enter the **ip http secure-server** command to enable HTTPS services on your device to permit SSL-secured access to your Server Switch.

```
SFS-7000(config)# ip http secure-server
```

Launching Chassis Manager

Chassis Manager without SSL requires no additional setup. Chassis Manager with SSL requires additional steps based on your browser.

Launching Chassis Manager without SSL

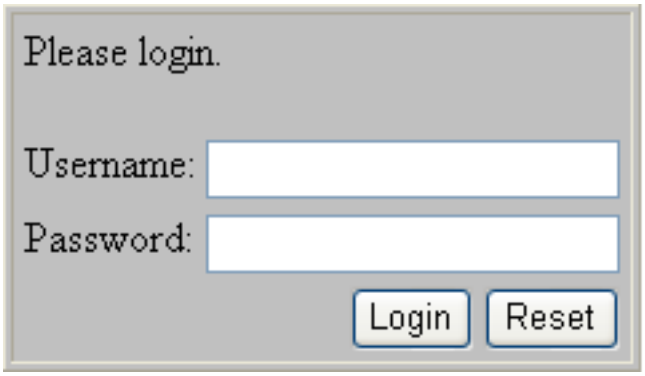
To launch Chassis Manager, perform the following steps:

Step 1 Launch your web browser.

Step 2 Type the IP address of your Server Switch in the address field of your browser and press **Enter**. (You configured the IP address in Step 5 of "Preparing Your Device" section on page 2-1)

A login window opens. Figure 2-1 displays the login window.

Figure 2-1 Chassis Manager Login Window



Step 3 Enter your Server Switch username and password in the login window and click the **OK** button. Chassis Manager loads in your browser window.

Launching Chassis Manager with SSL

SSL setups vary by browser types. The following sections explain how to launch Chassis Manager with particular browsers.

Netscape/Mozilla

To launch a secure Chassis Manager connection, perform the following steps:

Step 1 Launch your web browser.

Step 2 Type **https://** and the IP address of your Server Switch in the address field of your browser and press **Enter**. (You configured the IP address in Step 5 of "Preparing Your Device" section on page 2-1) A login window opens.

Step 3 Click **Yes** or **OK** to close any browser messages. Mozilla dynamically manages your certificate.

Step 4 Enter your Server Switch username and password in the login window and click the **OK** button. Chassis Manager loads in your browser window.

Internet Explorer

To launch a secure Chassis Manager connection, perform the following steps:

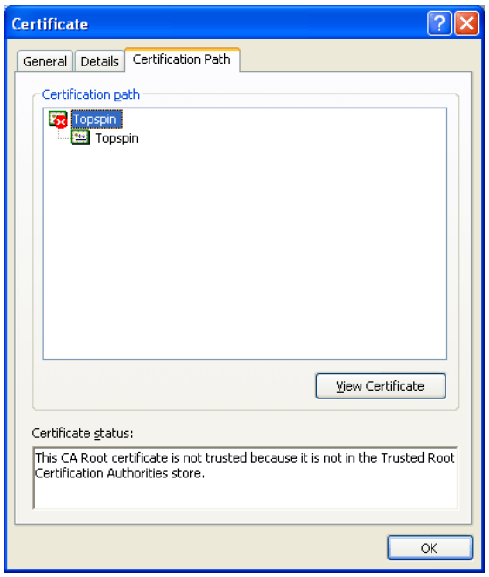
Step 1 Launch your web browser.

Step 2 Type **https://** and the IP address of your Server Switch in the address field of your browser and press **Enter**. (You configured the IP address in Step 5 of "Preparing Your Device" section on page 2-1.) A **Security Alert** window opens.

Step 3 Click the **View Certificate** button. The **Certificate** window opens.

Step 4 Click the **Certification Path** tab.

Step 5 Click the root certificate in the tree.



Step 6 Click the **View Certificate** button.

Step 7 Click the **Install Certificate** button.

Step 8 Click the **Next** button.

Step 9 Click the **Place all certificates in the following store** radio button.

Step 10 Click the **Browse** button. The Select Certificate Store window opens.

Step 11 Click **Trusted Root Certification Authorities**, and then click **OK**.

Step 12 Click the **Next** button, and then click the **Finish** button.

Avoiding Error Messages

By default, SSL certificates map to the IP address of the Ethernet Management Port of a Server Switch. If you enter the system name of your host (that you configure with the **hostname** command) or the IP address of the InfiniBand Management Port of your Server Switch to launch Chassis Manager, your browser displays an alert. The alert cautions you that the name on the certificate does not match the name of the site. This hostname mismatch message reappears after you log in and the java applet begins to load. To avoid this message entirely, configure your Server Switch to use the identifier that you enter in the browser to verify certificates.

To configure the certificate name to use the system name, perform the following steps:

Step 1 Telnet to your Server Switch and log in as a user with administrative privileges.

```
Login: super
Password: xxxxx
```

Step 2 Enter the **enable** command to enter Privileged EXEC mode.

```
SFS-270> enable
SFS-270#
```

Step 3 Enter the **configure terminal** command to enter global configuration mode.

```
SFS-270# configure terminal
SFS-270(config)#
```

Step 4 Enter the **ip http** command with the **secure-cert-common-name** keyword and the system name (hostname) of the Server Switch to configure your certificates to use the system name of your Server Switch.

```
SFS-270(config)# ip http secure-cert-common-name useSysName
```

When you open Chassis Manager with the system name of your Server Switch, error messages will not repeatedly appear.

Loging Out of Chassis Manager

To log out of Chassis Manager, close the web browser window that displays the GUI. If you have multiple windows open (such as the main CM window and a "properties" window), close all such windows.

Navigating Chassis Manager

The Tree frame of the web-based interface provides a high-level map of Chassis Manager. As you move from display to display in Chassis Manager, the View frame constantly reminds you where you are in the system.

When you click a branch in the Tree frame, the title of the display that appears in the View frame matches the name of the branch. Directly below the display title appears a tiered locator that details the level of the current display in relation to other elements of Chassis Manager. For instance, when you click the **Cards** branch of the Chassis icon, the following locator string appears:

A.B.C.D > Chassis > Cards

In this instance, *A.B.C.D* represents the IP address of your Server Switch. The tiered locator indicates that your current display is the Cards display, which is a branch of the Chassis icon on the device with an IP address of *A.B.C.D*.

When you further filter your display, the View frame indicates the new level of granularity. For instance, if you view the ports on a particular gateway card instead of all ports on the device, a tiered locator appears, followed by a filter indicator. If you view only external ports on an Ethernet gateway in slot 4, the following identifiers appear:

A.B.C.D > Chassis > Ports

Filter : Card = 4

The second identifier indicates that the display shows only the ports on Card 4.

Moving Backward

Because no formal "move backward" function exists in Chassis Manager, use one of the following options to return to a previous display:

- Click the **Back** button on your web browser.
- Right-click the View frame and select **Back** from the popup menu.
- Navigate to the desired display with the Tree frame.

Note When you use the **Back** function of your web browser, your browser may not cache selections that you made for a particular view. For instance, if you view the gateway ports of a card, and then click a branch in the Tree frame, your previous display may not appear correctly when you click the **Back** button.

Refreshing Views

Chassis Manager lets you update most displays to reflect changes that occurred since you opened the display. To refresh your view, click the **Refresh** button in your display.

Understanding Access Privileges

The functionality available to you from Chassis Manager varies based on the access privileges of your username. If you do not have read access to a particular technology, the icon and branches for that technology do not appear in your GUI. If you do not have write access to a particular technology, the configuration options for that technology do not appear in your GUI.

Viewing the Device Status

Chassis Manager provides an overview of the status of the components of your Server Switch.

Note To view the status summary of your device, click the IP address at the top of the Tree frame.

Items that appear in green actively function. Items that appear in gray are not active. Items that appear in red are faulty or administratively down.