



Edit Tasks

This chapter describes the Edit tasks for Element Manager and contains these sections:

- [Viewing Properties of One Interface Card, page 4-1](#)
- [Viewing Properties of All Interface Cards of the Same Type, page 4-3](#)
- [Viewing Properties of One Port, page 4-4](#)
- [Viewing Properties of All Ports of the Same Type, page 4-7](#)
- [Configuring Interface Card Properties, page 4-7](#)
- [Configuring Port Properties, page 4-9](#)



Note

Use the Edit menu to quickly view port and card properties. You can use the Edit menu to choose all cards or ports of the same type, and then view the properties of those elements. You can perform Edit menu tasks with the Element Manager chassis display. To view and configure the Server Switch from the chassis display, see the “[Chassis Display Tasks](#)” section on page 2-1.

Viewing Properties of One Interface Card

To view the properties of one interface card, follow these steps:

- Step 1**
- Click the card with properties that you want to view.
- Step 2**
- Click the Edit menu and click **Card Properties**.
A window opens and displays the properties of the card.
- Step 3**
- Click the **Card** tab.
[Table 4-1](#) describes the fields in this display.

Table 4-1 *Interface Card Fields*

Field	Description
Admin Type (gateway cards only)	Administratively configured card type.
Card Type	Dynamically discovered card type.
Enable/Disable Card	The up and down radio buttons enable or disable the card.

Table 4-1 **Interface Card Fields (continued)**

Field	Description
Current Card Status	Displays up if the card can currently run traffic, otherwise displays down .
Operational State	Displays the general condition of the interface card. The general condition may appear as any of the following: • unknown • normal • wrong-image • bootFailed • tooHot • booting A condition of unknown indicates an unsupported interface card. To address this condition, replace the card with a supported card. The operational state of a card must appear as normal for the current status of the card to appear as up. A wrong-image condition indicates that the active system image on the interface card does not match the active system image on the controller. All cards must run the same active system image as the controller card to function. A bootFailed condition indicates that the active system image on the card was incompletely or incorrectly loaded. If the other interface cards come up successfully, reset the individual card. Otherwise, reboot your entire device. When your card overheats, the tooHot condition appears in the show card command output. Enter the show fan command to check to see if your fans failed. The booting condition indicates that the card has not finished loading necessary image data for internal configuration.
Card Boot Stage	Boot Stage can be any of the following: • recovery • ipl • ppcboot • fpga • pic • ib • rootfs • kernel • exe • done • none

Table 4-1 **Interface Card Fields (continued)**

Field	Description
Card Boot Status	Boot Status can be any of the following: • upgrading • success • failed • badVersion • badCrc • memoryError • outOfSpace • programmingError • hardwareError • fileNotFound • inProgress • none
Serial Number	Factory-assigned product serial number of the card.
PCA Serial Number	Printed circuit assembly (PCA) serial number of the card.
PCA Assembly Number	Printed circuit assembly (PCA) assembly number of the card.
FRU Number	Field-replaceable unit (FRU) number of the card.
Action	Radio buttons follow these steps when you click Apply : • Take no action • Reset (reboot) the card • Delete inactive images from the card
Result	Displays the result of the last executed action from the Action field.

Viewing Properties of All Interface Cards of the Same Type

To view the properties of all interface cards of the same type, follow these steps:

Step 1 Click **Edit > Select All**, and then choose the type of card that you want to select.

Yellow selection boundaries appear around all cards of that type.

Step 2 Click **Edit > Card Properties**.

A window opens and displays a table of all of the properties of the selected cards.

Viewing Properties of One Port

To view the properties of one port, follow these steps:

Step 1 Click the port with properties that you want to view.

Step 2 Click the Edit menu and select **Port Properties**.

A window opens and displays the properties of the port. [Table 4-2](#) lists and describes the fields in the properties window of an Ethernet port.

Table 4-2 Ethernet Port Properties Window Field Descriptions

Field	Description
Port Type	Displays the port number in slot#/port# notation.
Port Name	Port name that you can edit and apply to the port.
Enable/Disable Port	The up and down radio buttons let you configure the administrative status of the port.
Current Port Status	Indicates whether or not the port is ready for use.
Auto Negotiation Supported	Displays true if the port supports autonegotiation.
Enable Auto Negotiation checkbox	Enables or disables autonegotiation on the port.
Set Port Speed	Radio buttons let you configure the speed of the port.
Current Port Speed	Displays the speed of the port.
Set Duplex	Radio buttons let you configure the duplex setting of the port.
Current Duplex	Indicates whether the port runs in full duplex mode or half duplex mode.
Enable Link Up/Down Trap	Enabled and disabled radio buttons let you configure whether or not the port sends a trap when links go up or down.
MTU	Displays the maximum transmission unit (MTU) of the port, in bytes.
MAC Address	Displays the media access control (MAC) address of the port.
Last Changed On	Time and date that a user last configured the port.
Action	Flushes the ARP table when you click Apply .
Result	Displays the result of the executed action from the Action field.

[Table 4-3](#) lists and describes the fields in the properties window of a Fibre Channel port.

Table 4-3 Fibre Channel Port Properties Field Descriptions

Field	Description
Port Type	Port number in slot#/port# notation.
Port Name	Port name that you can edit and apply to the port.
Enable/Disable Port	Up and down radio buttons let you configure the administrative status of the port.

Table 4-3 *Fibre Channel Port Properties Field Descriptions (continued)*

Field	Description
Current Port Status	Indicates whether or not the port is ready for use.
Auto Negotiation Supported	Displays true if the port supports autonegotiation.
Enable Auto Negotiation	Check box that lets you enable or disable autonegotiation on the port.
Set Port Speed	Radio buttons that let you configure the speed of the port.
Current Connection Type	Type of Fibre Channel connection between the port and the SAN.
Current Port Speed	Displays the speed of the port.
Enable Link Up/Down Trap	Enabled and disabled radio buttons that let you configure whether or not the port sends a trap when links go up or down.
MTU	Maximum transmission unit (MTU) of the port, in bytes.
WWNN	World-wide node name of the HCA of the port.
WWPN	World-wide port name of the port.
FC ID	Native Fibre Channel ID of the port.
Last Changed On	Time and date of the last time that a user configured the port.

Table 4-4 lists and describes the fields in the properties window of an InfiniBand port.

Table 4-4 *InfiniBand Port Properties Field Descriptions*

Field	Description
Port Type	Port number in slot#/port# notation.
Port Name	Port name that you can edit and apply to the port.
Enable/Disable Port	The up and down radio buttons that let you configure the administrative status of the port.
Current Port Status	Indicates whether or not the port is ready for use.
Physical State	Status of the physical connection to the port.
Auto Negotiation Supported	Displays true if the port supports autonegotiation.
Enable Auto Negotiation	Check box that lets you enable or disable autonegotiation on the port.
Set Port Speed	Radio buttons that let you configure the speed of the port.
Current Port Speed	Displays the speed of the port.
Power Connector Dongle Type	Displays the power connector Dongle type. This field appears only if the InfiniBand port is supporting the power connector. Possible values are as follows: • none (1) • ib4xFX (2)

Table 4-4 *InfiniBand Port Properties Field Descriptions (continued)*

Field	Description
Power Connector Dongle State	Indicates the power control state of dongle that is attached to a powered interface connector. Possible Values are as follows: - noStateChange(0) - on(1) - off(2)
Enable Link Up/Down Trap	Enabled and disabled radio buttons that let you configure whether or not the port sends a trap when links go up or down.
MTU field	Maximum transmission unit of the port, in bytes.
Last Changed On field	Time and date of the last time that a user configured the port.

Viewing IP Addresses of an Ethernet Port

To view the IP addresses of one Ethernet port, follow these steps:

Step 1 Click the Ethernet port with IP addresses you want to view.

Step 2 Click the Edit menu and then click **Port Properties**.

A window opens and displays the properties of the port.

Step 3 Click the **IP Addresses** tab.

The IP Addresses display appears. [Table 4-5](#) lists and describes the fields in this display.

Table 4-5 *IP Address Field Descriptions*

Field	Description
Port	Port number, in card#port# format. A port# of 0 represents the internal gateway port of the interface card.
Address	IP address assigned to the port.
Netmask	Subnet mask assigned to the port.
BcastAddrFormat	IP broadcast address format that the port uses.
ReasmMaxSize	Size of the largest IP datagram that this port can receive and reassemble from incoming fragmented IP datagrams.
Type	Displays primary or backup to indicate that the interface card acts as the primary or backup interface for the IP address that appears in the address field.
Status	Displays active or inactive to indicate that the card actively services IP packets addressed to the IP address in the address field or does not service packets to the specified address.

Viewing Bridging Properties of an Ethernet Port

To view the bridging properties of one Ethernet port, follow these steps:

- Step 1** Click the Ethernet port with Bridging properties you want to view.
- Step 2** Click the Edit menu and click **Port Properties**.
A window opens and displays the properties of the port.
- Step 3** Click the **Bridging** tab.
The Bridging display appears. [Table 4-6](#) describes the fields in this display.

Table 4-6 **Bridging Field Descriptions**

Field	Description
Port	Port number, in slot#/port# format.
IEEE VLAN Tag	VLAN of the bridge group.
Bridge Group ID	Bridge group to which the port belongs. Assign the bridge group by clicking Ethernet > Bridging .

Viewing Properties of All Ports of the Same Type

To view the properties of all ports of the same type, follow these steps:

- Step 1** Click **Edit > Select All**, and then choose the type of port that you want to select.
Yellow selection boundaries appear around all ports of that type.
- Step 2** Click the Edit menu and choose **Port Properties**.
A window opens and displays a table of all of the properties of the selected ports.

Configuring Interface Card Properties

You can configure interface card properties with the Edit menu or with the chassis display. For chassis display instructions, see the [“Chassis Display Tasks” section on page 2-1](#).

Configuring Administrative Card Types

Configure administrative card types to reserve slots for particular interface cards. You can configure administrative card types from a one-card display or a multiple-card display.

Configuring One Interface Card as Administrative Card Type

To configure the card type for one interface card, follow these steps:

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- Step 1** Click the type of card you want to configure.
 - Step 2** Click the **Edit** menu and choose **Card Properties**.
A window opens and displays the properties of the card.
 - Step 3** Choose the appropriate radio button in the AdminType field, click **Apply**, and then click **Close**.
-

Configuring Multiple Cards as Administrative Card Types

To configure the card types for multiple interface cards, follow these steps:

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- Step 1** Click **Edit > Select All**, and then choose a type of card.
Yellow selection boundaries appear around all cards of that type.
 - Step 2** Click the Edit menu and choose **Card Properties**.
A window opens and displays a table of all of the properties of the selected cards.
 - Step 3** Click the type of the card that you want to configure in the AdminType column.
A drop-down menu appears. Choose a value from the drop-down menu, and then repeat this step for each additional card that you want to configure.
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Enabling or Disabling a Card

You can enable and disable cards from a one-card display or a multiple-card display.

Enabling or Disabling Cards from One Card

To enable or disable cards from a one-card display, follow these steps:

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- Step 1** Click the card that you want to enable or disable.
 - Step 2** Click the **Edit** menu and choose **Card Properties**.
A window opens and displays the properties of the card.
 - Step 3** Choose the **up** or **down** radio button, click **Apply**, and then click **Close**.
-

Enabling or Disabling Multiple Cards

To enable or disable cards from a multiple-card display, follow these steps:

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- | | |
|---------------|--|
| Step 1 | Click Edit > Select All , and then choose the type of card that you want to select.
Yellow selection boundaries appear around all cards of that type. |
| Step 2 | Click the Edit menu and choose Card Properties .
A window opens and displays a table of all of the properties of the selected cards. |
| Step 3 | Click the status of the card that you want to enable or disable in the Enable/Disable Card column.
A drop-down menu appears. |
| Step 4 | Choose up or down. Repeat this step for each additional card that you want to enable or disable. |
-

Configuring Port Properties

You can use the Edit menu to configure port properties, or you can use the chassis display directly. To configure port properties from the chassis display, see the [“Chassis Display Tasks” section on page 2-1](#).

Configuring a Port Name

You can rename ports from a one-port display or a multiple-port display.

Configuring the Name of One Port

To configure the name of one port, follow these steps:

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- | | |
|---------------|---|
| Step 1 | Click a port with a name you want to change. |
| Step 2 | Click the Edit menu and choose Port Properties .
A window opens and displays port details. |
| Step 3 | Edit the name in the Port Name field, click Apply , and then click Close . |
-

Configuring Multiple Port Names

To configure names for multiple ports, follow these steps:

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- Step 1** Click **Edit > Select All**, and then click the type of the ports with names that you want to configure.
 - Step 2** Click the **Edit** menu and choose **Port Properties**.
A window opens and displays a tabular layout of the properties of the ports.
 - Step 3** Double-click the text in the Port Name column of a port that you want to rename, and then edit the name.
Repeat this step for all ports that you want to rename.
 - Step 4** Click **Apply**, and then click **Close**.
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Enabling or Disabling a Port

You can enable or disable ports from a one-port display or a multiple-port display.

Enabling or Disabling One Port

To enable or disable one port, follow these steps:

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- Step 1** Click the port that you want to enable or disable.
 - Step 2** Click the **Edit** menu and choose **Port Properties**.
A window opens and displays port details.
 - Step 3** In the Enable/Disable Port field, choose the **up** or **down** radio button.
 - Step 4** Click **Apply**, and then click **Close**.
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Enabling or Disabling Multiple Ports

To enable or disable multiple ports, follow these steps:

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- Step 1** Click **Edit > Select All**, and then click the type of the ports with names that you want to configure.
 - Step 2** Click the **Edit** menu and choose **Port Properties**.
A window opens and displays a tabular layout of the properties of the ports.
 - Step 3** Click the cell in the Enable/Disable Port column of a port that you want to enable or disable, and then choose **up** or **down** from the drop-down menu that appears.
 - Step 4** Click **Apply**, and then click **Close**.
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Enabling or Disabling Autonegotiation

You can enable or disable autonegotiation on ports from a one-port display or a multiple-port display.

Enabling or Disabling Autonegotiation from One Port

To enable or disable autonegotiation on a port from one port, follow these steps:

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- | | |
|---------------|---|
| Step 1 | Click the port that you want to enable or disable. |
| Step 2 | Click the Edit menu and choose Port Properties .
A window opens and displays port details. |
| Step 3 | Check or uncheck the Enable Auto-Negotiation check box |
| Step 4 | Click Apply , and then click Close . |
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Enabling or Disabling Autonegotiation from Multiple Ports

To enable or disable autonegotiation on ports from multiple ports, follow these steps:

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- | | |
|---------------|--|
| Step 1 | Click Edit > Select All , and then click the type of the ports with names that you want to configure. |
| Step 2 | Click the Edit menu and choose Port Properties .
A window opens and displays a tabular layout of the properties of the ports. |
| Step 3 | Click the cell in the Enable Auto-Negotiation column of a port that you want to configure, and then choose true or false from the drop-down menu that appears. |
| Step 4 | Click Apply , and then click Close . |
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Configuring the Port Speed

You can configure port speed from a one-port display or a multiple-port display.

**Note**

You must disable autonegotiation on a port before you assign a speed to the port.

Configuring the Port Speed for One Port

To configure port speed for one port, follow these steps:

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- Step 1** Click the port that you want to enable or disable.
 - Step 2** Click the **Edit** menu and choose **Port Properties**.
A window opens and displays port details.
 - Step 3** Choose the radio button, in the Set Port Speed field, of the speed that you want to apply.
 - Step 4** Click **Apply**, and then click **Close**.
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Configuring the Port Speed for Multiple Ports

To configure port speed on multiple ports at once, follow these steps:

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- Step 1** Click **Edit > Select All**, and then click the type of the ports with names you want to configure.
 - Step 2** Click the **Edit** menu and choose **Port Properties**.
A window opens and displays a tabular layout of the properties of the ports.
 - Step 3** Click the cell in the Set Port Speed column of a port that you want to configure, and then choose the speed to apply from the drop-down menu that appears.
Repeat this step for all ports that you want to configure.
 - Step 4** Click **Apply**, and then click **Close**.
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Enabling or Disabling Link Up/Down Traps

You can enable or disable link up and link down traps from a one-port display or a multiple-port display.

Enabling or Disabling Link Up/Down Traps from One Port

To enable or disable up/down traps for one port, follow these steps:

-
- Step 1** Click the port that you want to configure.
 - Step 2** Click the **Edit** menu and choose **Port Properties**.
A window opens and displays port details.
 - Step 3** Choose the **enabled** or **disabled** radio button in the Enable Link Up/Down Trap field.
 - Step 4** Click **Apply**, and then click **Close**.
-

Enabling or Disabling Link Up/Down Traps from Multiple Ports

To enable or disable link up/down traps for multiple ports, follow these steps:

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- | | |
|---------------|---|
| Step 1 | Click Edit > Select All , and then click the type of the ports with names you want to configure. |
| Step 2 | Click the Edit menu and choose Port Properties .
A window opens and displays a tabular layout of the properties of the ports. |
| Step 3 | Click the cell in the Enable Link Up/Down Trap column of a port that you want to configure, and then choose enabled or disabled from the drop-down menu that appears.
Repeat this step for all ports that you want to configure. |
| Step 4 | Click Apply , and then click Close . |
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Executing Port Actions

Some port types can execute specific actions. You can execute actions from a one-port display or a multiple-port display.

Executing a Port Action for One Port

To execute an action for one port, follow these steps:

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- | | |
|---------------|---|
| Step 1 | Click the port that you want to enable or disable. |
| Step 2 | Click the Edit menu and choose Port Properties .
A window opens and displays port details. |
| Step 3 | In the Action field, choose the radio button of the action that you want to execute. |
| Step 4 | Click Apply , and then click Close . |
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Executing a Port Action for Multiple Ports

To execute an action for multiple ports, follow these steps:

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- | | |
|---------------|---|
| Step 1 | Click Edit > Select All , and then click the type of the ports that you want to configure. |
| Step 2 | Click the Edit menu and choose Port Properties .
A window opens and displays a tabular layout of the properties of the ports. |
| Step 3 | Click the cell in the Action column of a port on which you want to execute an action, and then choose the action from the drop-down menu that appears.
Repeat this step for every port on which you want to execute an action. |
| Step 4 | Click Apply , and then click Close . |
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