



APPENDIX **B**

Map View User Interface Reference

These topics describe the pages, dialog boxes, and menus you can use when in Map view:

- [Map View Main Page, page B-1](#)
- [Map Elements, page B-2](#)
- [Map Toolbar, page B-4](#)
- [Navigation Window, page B-5](#)
- [Maps Menus, page B-5](#)
- [Dialog Boxes, page B-9](#)

Map View Main Page

[Figure B-1](#) identifies the functional areas of the Map view main page. For more information about these functional areas, see the Related Topics section.

Navigation Path

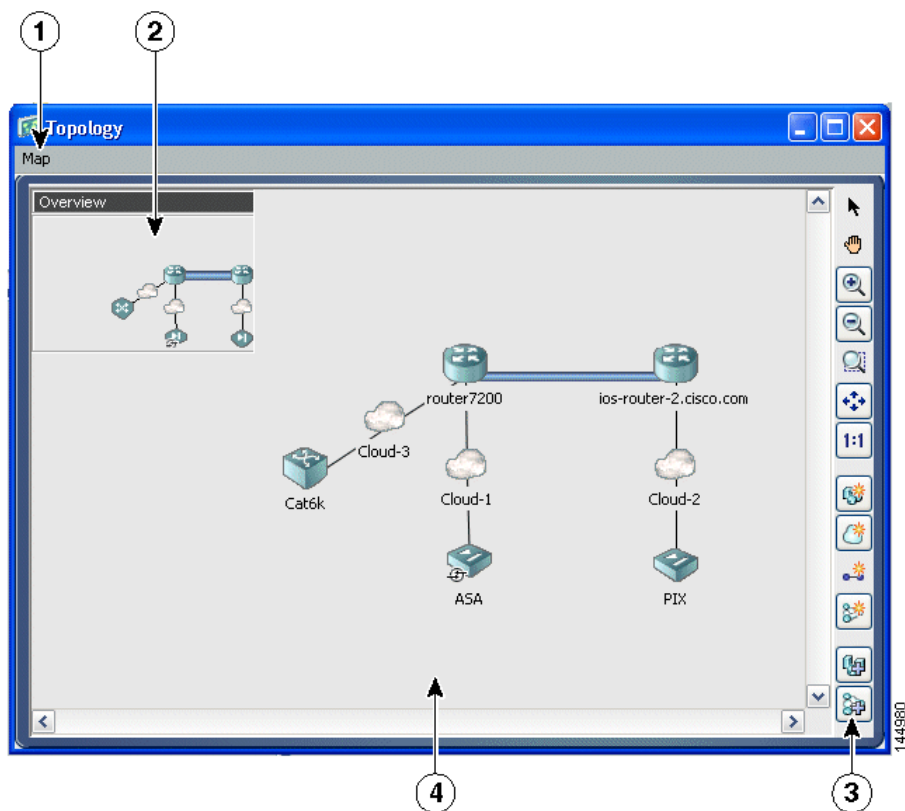
To open the Map view main page, click the **Map View** button in the toolbar. Undocking the Map view also activates it (select **Map > Undock Map View**).

Related Topics

- [Map Menu, page 3-9](#)
- [Menu Bar Reference, page 3-5](#)
- [Toolbar Reference, page 3-12](#)
- [Map Toolbar, page B-4](#)
- [Map Elements, page B-2](#)
- [Navigation Window, page B-5](#)
- [Using Selectors, page 3-14](#)

Map View Main Page

Figure B-1 Map View Main Page



| | | | |
|---|-------------|---|-------------------|
| 1 | menu bar | 2 | navigation window |
| 3 | map toolbar | 4 | map |

Map Elements

A map is a visual representation of your network, or a portion of it. For more information about maps, see [Working With Maps, page 4-2](#). To open a map, see [Opening Maps, page 4-3](#).

These tables describe the elements that can appear on a map:

- [Table B-1 on page B-3](#) describes the device nodes that can appear on a map. These elements are managed by Security Manager.
- [Table B-2 on page B-3](#) describes the map objects that can appear on a map. These elements are not managed by Security Manager.
- [Table B-3 on page B-4](#) describes the map element indicators that can appear with a device node.

Table B-1 *Device Node Types*











| Node Type | Icon | Description |
|--|---|--|
| Firewall |  | When you select a device, its security contexts are highlighted. |
| Firewall security context |  | When you select a security context, the parent device is highlighted. The dotted outline distinguishes the icon as a security context. |
| Adaptive Security Appliance |  | When you select a device, its security contexts are highlighted. |
| Adaptive Security Appliance security context |  | When you select a security context, the parent device is highlighted. The dotted outline distinguishes the icon as a security context. |
| Router |  | Router or VPN concentrator. |
| Catalyst 6500/7600 or Catalyst switch |  | When you select a Catalyst 6500/7600 device node, any Firewall Service Modules contained in it are highlighted. |
| Catalyst 6500/7600 Firewall Services Module (FWSM) |  | When you select a Firewall Services Module, the security contexts it contains are highlighted on the map. |
| Catalyst 6500/7600 FWSM security context |  | When you select a security context, the parent device is highlighted. The dotted outline distinguishes the icon as a security context. |
| IPS Sensor or Security Service Module |  | An IPS sensor. |
| VPN connection |  | Any type of VPN connection. |

Table B-2 *Map Object Types*





| Node Type | Icon | Description |
|--------------------|---|--|
| Unmanaged firewall |  | Unmanaged firewall device. |
| Unmanaged router |  | Unmanaged router. |
| Network |  | Network with a specified address space. |
| Host |  | Network host. Examples: CSA, Syslog Server, CA Server, AAA Host |

Table B-2 *Map Object Types (Continued)*



| | | |
|--------------|---|---|
| Cloud |  | An unspecified group of map objects that provides connectivity between specified nodes. |
| Layer 3 link | — | Layer 3 network connection |

Table B-3 *Map Element Indicators*

| Indicator | Icon | Description |
|------------|---|--------------------------------|
| Linked map |  | Node is linked to another map. |

Map Toolbar

Table B-4 on page B-4 describes the buttons on the map toolbar.

Table B-4 *Map Toolbar*














| Toolbar Button | Description |
|---|--|
|  | Selects objects on the map. Click the button, then click items on the map. |
|  | Pans the map. Click the button, click and hold on the map, then drag the cursor. |
|  | Zooms in on the map. |
|  | Zooms out from the map. |
|  | Zooms the map to fill a rectangle that you draw. |
|  | Zooms the map to include the entire open map. |
|  | Zooms the map to actual size. |
|  | Creates a new Security Manager-managed node. After you create the new device in the inventory, it is added to the active map as a device node. |
|  | Adds a new map object to the open map. |
|  | Adds a new link to the open map. |

Table B-4 Map Toolbar (Continued)

| Toolbar Button | Description |
|---|---|
|  | Creates a new VPN connection between nodes on the open map. |
|  | Select devices to show on the map as device nodes. |
|  | Select VPNs to show on the map. |

Navigation Window

The navigation window displays a smaller version of the entire active map. The shaded rectangle defines the area of the map that is currently displayed.

Use the navigation window to select the portion of the map to view, and to change the map zoom level.

- To toggle the display of the navigation control, select **Map > Hide/Show Navigation Window**.
- To pan the navigation control to select which portion of the map to display, click the shaded rectangle and drag it to a new location.
- To change the zoom level, click one of the resizing handles in the corners of the shaded rectangle, then drag it to increase or decrease the area of the map to display. The map zooms to display the area covered by the map indicator.

The title bar in the navigation window displays the name of the map. If the map has unsaved changes, an asterisk (*) appears next to the map name.

Maps Menus

The following topics describe the menus that contain maps commands. To open the context menus, right-click map elements.

- [Maps Menus, page B-5](#)
- [Managed Device Node Context Menu, page B-6](#)
- [Multiple Selected Nodes Context Menu, page B-7](#)
- [VPN Connection Context Menu, page B-7](#)
- [Layer 3 Link Context Menu, page B-7](#)
- [Map Object Context Menu, page B-8](#)
- [Map Background Context Menu, page B-8](#)

Managed Device Node Context Menu

The Managed Device Node context menu opens when you right-click a map node that represents a managed device. The commands that you see depend on the type of device you select. The following table lists all commands that you might see.

Table B-5 *Managed Device Node Context Menu*

| Menu Command | Description |
|-------------------------------|--|
| Edit Firewall Policies | Edits firewall policies on the device. Select a firewall policy type from the submenu to edit it. |
| Edit Firewall Settings | Edits firewall settings on the device. Select a setting from the submenu to edit it. |
| Edit VPN Peers | Edits peers in VPNs in which the device participates. |
| Edit VPN Policies | Edits VPN policies on the device. |
| Device Properties | Displays device properties. |
| Clone Device | Creates a copy of the device. See Cloning a Device, page 6-24 for more information. |
| Copy Policies Between Devices | Copies policies between the device and other devices. See Copying Policies Between Devices, page 7-21 . |
| Share Device Policies | Shares device local policies. |
| Catalyst Summary Info | Allows you to view high-level system information, including any service modules, ports, and VLANs that Security Manager has discovered. See Catalyst Summary Info Page, page L-1 . |
| Show in Device View | Opens the Device View for the selected device. |
| Device Manager | Launches the Device Manager. See Device Managers, page 21-1 . |
| Inventory Status | Displays the Inventory Status window for the device. See Inventory Status Window, page C-37 . |
| Show VPN Peers | Shows peers in VPNs in which the device participates. |
| Preview Configuration | Previews the device configuration with all committed changes included. |
| Show Containment | Shows the security contexts and service modules in devices that have them. |
| Node Properties | Displays node properties. |
| Set Linked Map | Creates a link from this node to another map. |
| Open Linked Map | Opens the map that is linked to the node. |
| Discover Policies on Device | Discovers policies on the device. |
| Move To Center | Pans the map to display the node in the center. |
| Delete Device | Deletes the device from the device inventory. |
| Remove from Map | Removes the node from the map. |

Multiple Selected Nodes Context Menu

The Multiple Selected Device Node context menu opens when you select more than one map node, then right-click on a selected node.

If all of the selected nodes are not VPN-capable, the commands to configure VPNs do not appear.

Table B-6 Multiple Selected Nodes Context Menu

| Menu Command | Description |
|---------------------------|---|
| Create Point to Point VPN | Creates a point to point VPN between two selected devices. All selected nodes must be managed and VPN-capable. |
| Create Hub and Spoke VPN | Creates a hub and spoke VPN that includes the selected nodes. The node that you right-click becomes the VPN hub. All selected nodes must be managed and VPN-capable. |
| Create Meshed VPN | Creates a full mesh VPN that includes the selected nodes. All selected nodes must be managed and VPN-capable. |
| Remove Selected Nodes | Removes all selected device nodes. Appears only if you right-click on a selected device node. |
| Delete Map Objects | Deletes all selected map objects. Appears only if you right-click on a selected map object. |

VPN Connection Context Menu

The VPN Connection context menu opens when you right-click on a VPN connection on the map.

Table B-7 VPN Connection Context Menu

| Menu Command | Description |
|-------------------|--|
| Edit VPN Peers | Edits the peers in the VPN. For more information, see Editing VPN Peers From the Map, page 4-23 |
| Edit VPN Policies | Edits the VPN policies. For more information, see Editing VPN Policies From the Map, page 4-23 |

Layer 3 Link Context Menu

The Layer 3 Link context menu opens when you right-click on a layer 3 link on the map.

Table B-8 Layer 3 Link Context Menu

| Menu Command | Description |
|-----------------|--------------------------------|
| Link Properties | Displays the link properties. |
| Delete Link | Deletes the link from the map. |

Map Object Context Menu

The Map Object context menu opens when you right-click a map object that does not represent a managed device.

Table B-9 *Map Object Context Menu*

| Menu Command | Description |
|-------------------|---|
| Node Properties | Displays the node properties. |
| Move To Center | Pans the map to display the node in the center. |
| Set Linked Map | Links the node to a map. |
| Open Linked Map | Opens the map to which the node is linked. |
| Delete Map Object | Deletes the map object. |

Map Background Context Menu

The Map Background context menu opens when you right-click in the background area of a map, that is, not on any object or link.

Table B-10 *Map Background Context Menu*

| Menu Command | Description |
|-----------------------------|---|
| Show Devices on Map | Selects the managed devices to show on the map. |
| Show VPNs on Map | Selects the VPNs to display on the map. |
| Add Map Object | Adds a map object to the map. |
| Add Link | Adds a Layer 3 link to the map. |
| New Device | Creates a new managed device and adds it to the map as a device node. |
| New VPN | Creates a new VPN and adds it to the map. |
| Find Map Node | Finds nodes on the map. |
| Open Map | Opens a saved map. |
| Save Map | Saves the open map. |
| Show/Hide Navigation Window | Toggles the display of the navigation window on the map. |
| Map Properties | Displays the properties of the map. |
| Hierarchical layout | Arranges the network nodes in a hierarchical layout. |
| Radial layout | Arranges the network nodes in a radial layout. |
| Circular layout | Arranges the network nodes in a circular layout. |
| Dock/Undock Map | Undocks the Map view. |

Dialog Boxes

The following topics describe the Map view dialog boxes:

- [Open Map Dialog Box, page B-9](#)
- [Save Map As Dialog Box, page B-9](#)
- [Delete Map Dialog Box, page B-10](#)
- [Find Node Dialog Box, page B-10](#)
- [Map Settings Dialog Box, page B-11](#)
- [Select Color Dialog Box, page B-11](#)
- [Import Background Image Dialog Box, page B-12](#)
- [Set Linked Map Dialog Box, page B-12](#)
- [Link Properties Dialog Box, page B-12](#)
- [Select Interfaces Dialog Box, page B-13](#)
- [Add Link Dialog Box, page B-13](#)
- [Node Properties Dialog Box, page B-14](#)
- [Add Map Object and Node Properties Dialog Boxes, page B-14](#)
- [Interface Properties Dialog Box, page B-15](#)
- [Select Policy Object Dialog Box, page B-15](#)
- [Show Devices on Map Dialog Box, page B-16](#)
- [Show VPNs on Map Dialog Box, page B-16](#)
- [Show VPN Peers Dialog Box, page B-17](#)
- [VPN Peers Dialog Box, page B-17](#)
- [Select VPN to Configure Dialog Box, page B-18](#)

Open Map Dialog Box

Use the Open Map dialog box to open a saved map or the default map. Select a map from the Available Maps list or type in the name of an existing map in the Selected Map field. For more information, see [Opening Maps, page 4-3](#).

Navigation Path

To open this dialog box, select **Map > Open Map**.

Save Map As Dialog Box

Use the Save Map As dialog box to save a new map or to save a copy of the current map with a new name. The map name can be as long as 256 characters, but cannot be the reserved names “Default Map” or “New Map.” For more information, see [Saving Maps, page 4-3](#).

Navigation Path

To open this dialog box, do one of the following:

- Open a new map and select **Map > Save Map**.
- Select **Map > Save Map As**.

Delete Map Dialog Box

Use the Delete Map dialog box to delete a map. Deleting a map does not delete any devices from the inventory. Select a map from the Available Maps list or type in the name of an existing map in the Selected Map field. For more information, see [Deleting Maps, page 4-4](#).

Navigation Path

To open this dialog box, select **Map > Delete Map**.

Find Node Dialog Box

Use the Find Node dialog box to find a node on the open map.

Navigation Path

To open this dialog box, select **Map > Find Map Node**.

Related Topics

- [Searching for Map Elements, page 4-7](#)

Field Reference

Table B-11 Find Node Dialog Box

| Element | Description |
|----------------------|---|
| Name | Enter the name, or a portion of the name, of the node to find. The node list is filtered to display only the nodes whose names begin with the entered text. |
| Interface IP Address | Enter the IP address, or a portion of the IP address, of the node to find. The node list is filtered to display only the nodes whose IP addresses match the entered address. |
| Type | Lists node types. Select a node type from the list. The node list is filtered to display only the nodes of the selected node type. |
| Node list | Displays the list of nodes on the map that match the criteria entered in the Name, IP address, and Type fields. Select a node and click OK to find it on the map. |

Map Settings Dialog Box

Use the Map Settings dialog box to set the background for the active map.

Navigation Path

To open this dialog box, select **Map > Map Properties** from the map context menu.

Field Reference

Table B-12 Map Settings Dialog Box

| Element | Description |
|-----------------------------|--|
| Available Background Images | Lists the images that are available for use as background images for the map. Select an image to set it as the map background. Select none to remove the map's background image. |
| Add button | Imports a new image file, making it available as a background image. |
| Remove button | Removes the selected background image file. |
| Selected Background Image | Displays the selected background image or an asterisk if none. |
| Change Background Color | Displays the background color of the map. |
| Select button | Selects a background color for the map. The Select Color dialog box opens. |
| Map X | Sets the X-axis coordinate of the background image's top left corner. |
| Map Y | Sets the Y-axis coordinate of the background image's top left corner. |
| Scale | Sets the scale of the background image. |

Select Color Dialog Box

Use the Select Color dialog box to set the background color for the active map.

Navigation Path

To open this dialog box, click **Select** in the Map Settings dialog box.

Field Reference

Table B-13 Select Color Dialog Box

| Element | Description |
|--------------|--|
| Swatches | Enables you to set the background color by picking from swatches. Click a color swatch to select it. |
| HSB | Enables you to set the background color by setting HSB (hue, saturation, and brightness) values. |
| RGB | Enables you to set the background color by setting RGB (red, green, and blue) values. |
| Preview Pane | Displays a preview of the selected color. |

Table B-13 *Select Color Dialog Box (Continued)*

| Element | Description |
|--------------|--|
| Reset button | Resets the background color to the last saved color. |

Import Background Image Dialog Box

Use the Import Background Image dialog box to import an image into the library of map background images.

You can import background images of the following file formats: JPEG, GIF, PNG, IVL, and SVG. Before importing a background image, you must transfer the image to the Security Manager server file system by accessing the server directly. For security reasons, Security Manager does not provide a way to transfer files to the server.

Click **Browse** to select the file or enter the filename including the full path.

Navigation Path

To open this dialog box, click the **Add** button in the [Map Settings Dialog Box, page B-11](#).

Set Linked Map Dialog Box

Use the Set Linked Map dialog box to link a map element to an existing map. You must create the map before you can link to it.

Navigation Path

To open this dialog box, select **Set Linked Map** from a map node context menu.

Related Topics

- [Using Linked Maps, page 4-8](#)

Field Reference

Table B-14 *Set Linked Map Dialog Box*

| Element | Description |
|-------------------------|--|
| Available Topology Maps | Displays the maps that are available for selection. Select the map to link to this node. |
| Selected Linked Map | The map you selected. |

Link Properties Dialog Box

Use the Link Properties dialog box to view a Layer 3 link's properties.

Navigation Path

To open this dialog box, select **Link Properties** from a Layer 3 link context menu.

Related Topics

- [Displaying Layer 3 Links on the Map, page 4-16](#)

Field Reference**Table B-15** *Link Properties Dialog Box*

| Element | Description |
|-----------------------|--|
| Source Node | Displays the name and type of the link source node. |
| Source Interface | Lists the interfaces configured on the source node. |
| Destination Node | Displays the name and type of the link destination node. |
| Destination Interface | Lists the interfaces configured on the destination node. |

Select Interfaces Dialog Box

Use the Select Interfaces dialog box to create a new Layer 3 link on the map.

Navigation Path

To open this dialog box, select **Map > Add link** (the cursor changes to a crosshair icon), click one of the link endpoint nodes on the map, then click the other link endpoint node.

Related Topics

- [Displaying Layer 3 Links on the Map, page 4-16](#)

Field Reference**Table B-16** *Select Interfaces Dialog Box*

| Element | Description |
|-----------------------|---|
| Source Device | Displays the name and type of the link source device. |
| Source Interface | Lists the interfaces configured on the source node. Select a source interface from the list to change the source interface. |
| Destination Node | Displays the name and type of the link destination node. |
| Destination Device | Displays the name and type of the link source device. |
| Destination Interface | Lists the interfaces configured on the destination node. Select a destination interface from the list to change the destination interface. |

Add Link Dialog Box

Use the Add Link dialog box to select how to represent the Layer 3 link that you are adding to the map.

The contents of the Add Link dialog box vary according to which nodes and interfaces you are connecting. Select the check boxes for each intermediary map object (network or cloud) that you want to insert between the connected nodes.

Navigation Path

This dialog box might open when you add a link between nodes, depending on which interfaces you select to connect.

Field Reference**Table B-17 Add Link Dialog Box**

| Element | Description |
|---------------------|--|
| Network check boxes | Represent the intermediary networks that you can include in the link. Select the networks to include. |
| Cloud check boxes | Represent the intermediary network clouds that you can include in the link. Select the clouds to include. |

Node Properties Dialog Box

Use the Node Properties dialog box to view the properties of a managed node.

Navigation Path

To open this dialog box, select **Node Properties** from a map node context menu.

Field Reference**Table B-18 Node Properties Dialog Box**

| Element | Description |
|----------------------|---|
| Name | Displays the node name. |
| Type | Displays the node type. |
| Interface IP Address | Lists the node interfaces and their IP addresses. |

Add Map Object and Node Properties Dialog Boxes

Use the Add Map Object dialog box to add an object to the map. Use the Node Properties dialog box to edit map object properties. These dialog boxes are identical except for their titles.

Navigation Path

- To open the Add Map Object dialog box, select **Map > Add Map Object**.
- To open the Node Properties dialog box, select **Node Properties** from a map object context menu.

Field Reference**Table B-19 Add Map Object and Node Properties Dialog Boxes**

| Element | Description |
|---------------------------|---|
| Name | Displays the name of the map object. Enter a name for a new map object. |
| Copy Policy Object button | Click to browse for a policy object to use as the basis for the map object. The Select Policy Object dialog box opens. |
| Type list | Lists the available object types. Select an object type. |
| Interfaces table | Lists the interfaces on the node. Select an interface to edit it. |
| Add button | Adds an interface to the node. The Interface Properties dialog box opens. |
| Edit button | Edits the selected interface. The Interface Properties dialog box opens. |
| Remove button | Removes the selected interface. |

Interface Properties Dialog Box

Use the Interface Properties dialog box to add and edit interfaces on map objects.

Navigation Path

To open this dialog box, click the **Add** or **Edit** button in the Add Map Object or Node Properties dialog boxes.

Field Reference**Table B-20 Interface Properties Dialog Box**

| Element | Description |
|------------------------|---|
| Interface Name | Displays and edits the interface name. |
| Interface IP Addr/Mask | Displays and edits the interface IP address and network mask. |

Select Policy Object Dialog Box

Use the Select Policy Object dialog box to add an object to the map that is based on a building block.

Navigation Path

To open this dialog box, click **Copy Policy Object** in the Add Map Object dialog box.

Field Reference**Table B-21** *Select Policy Object Dialog Box*

| Element | Description |
|--|--|
| Select a Policy Object | Displays the building block types that you can use for a map object. Select the building block type to use. |
| Policy object text box (field name depends on the object you selected) | The name of the policy object to use. Click Select to select a policy object from a list of existing objects. |
| Select button | |

Show Devices on Map Dialog Box

Use the Show Devices on Map dialog box to select which devices to display on the active map.

Navigation Path

To open this dialog box, select **Map > Show Devices on Map**, then click on the map.

Field Reference**Table B-22** *Show Devices on Map Dialog Box*

| Element | Description |
|------------------------|--|
| Filter | Filters the device list to match filter criteria. You can modify existing filters and create new filters. For more information, see Filtering Items in Selectors, page 3-14 |
| Available Devices list | Lists devices that are available to add to the map. Select devices to display in the map. Select a device group to select all of its member devices. |
| Filter | Filters the device list. See Filtering Items in Selectors, page 3-14 . |
| >> button | Adds devices that you selected in the Available Devices list to the Selected Devices list. |
| << button | Removes devices that you selected in the Selected Devices list. |
| Selected Devices list | Lists devices that are selected to appear on the map. Select devices to remove from the map. Select a device group to select all of its member devices. |

Show VPNs on Map Dialog Box

Use the Show VPNs on Map dialog box to select VPNs to display on the active map.

Navigation Path

To open this dialog box, select **Map > Show VPNs on Map**.

Field Reference**Table B-23** *Show VPNs on Map Dialog Box*

| Element | Description |
|---------------------|---|
| Available VPNs list | Lists VPNs that are available to add to the map. Select VPNs that you want to display in the map. Select a VPN group to select all of its member VPN subgroups and VPNs. |
| >> button | Adds VPNs that are selected in the Available VPNs list to the Selected VPNs list. |
| << button | Removes VPNs that are selected in the Selected VPNs list. |
| Selected VPNs list | Lists VPNs that are selected to appear on the map. Select VPNs to remove from the map. Select a VPN group to select all of its member VPN subgroups and VPNs. |

Show VPN Peers Dialog Box

Use the Show VPN Peers dialog box to display the VPN peers of a device node.

Navigation Path

To open this dialog box, select **Show VPN Peers** from a device node context menu. If the selected device participates in only one VPN, the **Show VPN Peers** command opens the VPN Peers dialog box instead of this one.

Related Topics

- [VPN Peers Dialog Box, page B-17](#)

Field Reference**Table B-24** *Show VPN Peers Dialog Box*

| Element | Description |
|----------------|--|
| Available VPNs | Lists the VPNs in which the node participates. |
| Selected VPNs | Lists the selected VPN. |

VPN Peers Dialog Box

Use the VPN Peers dialog box to view a list of the VPN peers of a device node.

Navigation Path

To open this dialog box, click **OK** in the VPN Peers dialog box. This dialog box also opens when you select **Show VPN Peers** from a device node context menu when the device participates in only one VPN.

Related Topics

- [Show VPN Peers Dialog Box, page B-17](#)

Field Reference**Table B-25** *VPN Peers List Dialog Box*

| Element | Description |
|-----------|--|
| Name | The name of the VPN. |
| VPN Peers | Lists the VPN peers in the selected VPN. |

Select VPN to Configure Dialog Box

Use the Select VPN to Configure dialog box to select a VPN to configure.

Navigation Path

To open this dialog box, select **Edit VPN Policies** or **Edit VPN Peers** from a managed node context menu.

Field Reference**Table B-26** *Select VPN to Configure Dialog Box*

| Element | Description |
|----------------|---|
| Available VPNs | Lists the VPNs in which the managed node participates. Select the VPN to configure. |
| Selected VPN | Displays the selected VPN. |