CHAPTER 54

Conference Bridge Configuration

Conference Bridge for Cisco CallManager, a software or hardware application, allows both ad hoc and meet-me voice conferencing. Each conference bridge can host several simultaneous, multiparty conferences.

Both hardware and software conference bridges can be active at the same time. Software and hardware conference devices differ in the number of streams and the types of codec that they support.

Refer to the "Conference Bridges" chapter of the *Cisco CallManager System Guide* for more information about conference bridges.

Note The hardware model type for Conference Bridge contains a specific Media Access Control (MAC) address and device pool information.

Note Be aware that different conference bridge fields display in Cisco CallManager Administration, depending on the conference bridge type that you choose.

Use the following topics to configure conference bridges:

- Meet-Me Number/Pattern Configuration Settings, page 50-3
- Deleting a Meet-Me Number/Pattern, page 50-4

Finding a Conference Bridge

Because you may have several conference bridges in your network, Cisco CallManager lets you locate specific conference bridges on the basis of specific criteria. Use the following procedure to locate conference bridges.

Note During your work in a browser session, Cisco CallManager Administration retains your conference bridge search preferences. If you navigate to other menu items and return to this menu item, Cisco CallManager Administration retains your conference bridge search preferences until you modify your search or close the browser.

Procedure

Step 1 Choose **Media Resources > Conference Bridge**.

The Find and List Conference Bridges window displays. Use the two drop-down list boxes to search for a conference bridge.

Step 2 From the first Find Conference Bridges where drop-down list box, choose one of the following criteria:

- Name
- Description
- Device Pool

From the second Find Conference Bridges where drop-down list box, choose one of the following criteria:

- begins with
- contains
- ends with
- is exactly
- is not empty
- is empty

Step 3 Specify the appropriate search text, if applicable, and click **Find**. You can also specify how many items per page to display.

Tip To find all conference bridges that are registered in the database, click **Find** without entering any search text.

A list of discovered conference bridges displays by

- Conference Bridge icon
- Conference Bridge name
- Description

- Device Pool
- Status
- IP Address

Note You can delete multiple conference bridges from the Find and List Conference Bridges window by checking the check boxes next to the appropriate conference bridges and clicking **Delete Selected**. You can delete all conference bridges in the window by checking the check box in the Matching records title bar and clicking **Delete Selected**.

Step 4 From the list of records, click the Conference Bridge icon or name or the associated Device Pool that matches your search criteria.

The window displays the conference bridge that you choose.

Additional Information

See the "Related Topics" section on page 54-11.

Understanding Software Conference Bridge Configuration

Administrators cannot add software conference bridges to Cisco CallManager by using Conference Bridge Configuration. Software conference bridges are automatically added when a Cisco CallManager server gets added (see the "Configuring a Server" section on page 2-2 for more information). After a Cisco CallManager server gets added, the software conference bridge gets displayed in the Find/List Conference Bridges window (by default, the first software conference bridge gets configured during Cisco CallManager installation) when the administrator performs a search. Software conference bridges can be updated, but they cannot be deleted.

Additional Information

See the "Related Topics" section on page 54-11.

Software Conference Bridge Configuration Settings

Table 54-1 describes the software conference bridge configuration settings.

Table 54-1 Software Conference Bridge Configuration Settings

Field	Description
Conference Bridge Type	This field automatically displays Cisco Conference Bridge Software.
Host Server	This field automatically displays the Cisco CallManager server to which this software conference bridge was configured.
Conference Bridge Name	This field automatically displays the software conference bridge name. The format of the name specifies CFB_ followed by a digit representing the value of the software conference bridge; for example, CFB_3 represents the third conference bridge in the Cisco CallManager system.

Table 54-1 Software Conference Bridge Configuration Settings (continued)

Field	Description
Description	This field automatically displays a description, but the administrator can update this field.
Device Pool	Choose a device pool that has the highest priority within the Cisco CallManager group that you are using or choose **Default**.
Location	Choose the appropriate location for this conference bridge. The location specifies the total bandwidth that is available for calls to and from this location. A location setting of *Hub_None* means that the locations feature does not keep track of the bandwidth that this conference bridge consumes.

Additional Information

See the "Related Topics" section on page 54-11.

Adding a Hardware Conference Device

This section describes how to add a hardware conference device.

Before You Begin

Configure the Device pools. Refer to the "Device Pool Configuration" section on page 9-1.

Procedure

Step 1 Choose **Media Resources > Conference Bridge**.

Step 2 Click **Add New**.

The Conference Bridge Configuration window displays.

Step 3 Enter the appropriate settings as described in Table 54-2.

Step 4 Click **Save**.

Step 5 To reset the conference bridge device and apply your changes, click **Reset**.

The Device Reset window displays.

Step 6 Click **Reset** and close the window.

Additional Information

See the "Related Topics" section on page 54-11.

Hardware Conference Bridge Configuration Settings

Table 54-2 describes the hardware conference bridge configuration settings.

Table 54-2 Hardware Conference Bridge Configuration Settings

Field	Description
Conference Bridge Type	Choose **Cisco Conference Bridge Hardware**. For a description of this type, refer to the "Conference Bridge Types in Cisco CallManager Administration" section on page 24-4.
MAC Address	Enter a unique device MAC address in this required field. MAC addresses comprise 12 hexadecimal digits (0-9, A-F). **Example** `1231123245AB`
Description	This field automatically generates from the MAC address that you provide.
Device Pool	Choose a device pool that has the highest priority within the Cisco CallManager group that you are using or choose **Default**.
Location	Choose the appropriate location for this conference bridge. The location specifies the total bandwidth that is available for calls to and from this location. A location setting of *Hub_None* means that the locations feature does not keep track of the bandwidth that this conference bridge consumes.
Special Load Information	Enter any special load information or leave blank to use default.

Additional Information

See the "Related Topics" section on page 54-11.

Adding a Cisco IOS Conference Bridge Device

This section describes how to add a Cisco IOS conference device.

Before You Begin

Configure the device pools. See the "Device Pool Configuration" section on page 9-1.

Procedure

Step 1 Choose **Media Resources > Conference Bridge**.

Step 2 Click **Add New**.

The Conference Bridge Configuration window displays.

Step 3 Enter the appropriate settings as described in Table 54-3.

Step 4 Click **Save**.

The window refreshes and displays the conference device that you just added.

Step 5 To reset the conference bridge device and apply your changes, click **Reset**.

The Device Reset window displays.

Step 6 Click **Reset**.

Additional Information

See the "Related Topics" section on page 54-11.

Cisco IOS Conference Bridge Configuration Settings

Table 54-3 describes the Cisco IOS conference bridge configuration settings.

Table 54-3 Cisco IOS Conference Bridge Configuration Settings

Field	Description
Conference Bridge Type	Choose **Cisco IOS Conference Bridge** or **Cisco IOS Enhanced Conference Bridge**. For a description of these types, refer to the "Conference Bridge Types in Cisco CallManager Administration" section on page 24-4.
Conference Bridge Name	Enter the same name that exists in the gateway Command Line Interface (CLI).
Description	This field automatically generates from the conference bridge name that you provide.
Device Pool	Choose a device pool or choose **Default**.
Location	Choose the appropriate location for this conference bridge. The location specifies the total bandwidth that is available for calls to and from this location. A location setting of *Hub_None* means that the locations feature does not keep track of the bandwidth that this conference bridge consumes.

Additional Information

See the "Related Topics" section on page 54-11.

Adding a Cisco Video Conference Bridge Device

This section describes how to add a Cisco video conference bridge device.

Before You Begin

Configure the device pools. See the "Device Pool Configuration" section on page 9-1.

Procedure

Step 1 Choose **Media Resources > Conference Bridge**.

Step 2 Click **Add New**.

The Conference Bridge Configuration window displays.

Step 3 Enter the appropriate settings as described in Table 54-4.

Step 4 Click **Save**.

The window refreshes and displays the conference device that you just added.

Step 5 To reset the conference bridge device and apply your changes, click **Reset**.

The Device Reset window displays.

Step 6 Click **Reset**.

Additional Information

See the "Related Topics" section on page 54-11.

Cisco Video Conference Bridge Configuration Settings

Table 54-4 describes the Cisco video conference bridge configuration settings.

Table 54-4 Cisco Video Conference Bridge Configuration Settings

Field	Description
Conference Bridge Type	Choose **Cisco Video Conference Bridge (IPVC-35xx)**. For a description of this type, refer to the "Conference Bridge Types in Cisco CallManager Administration" section on page 24-4.
MAC Address	Enter a unique device MAC address in this required field. MAC addresses comprise 12 hexadecimal digits (0-9, A-F). **Example** `1231123245AB`
Description	This field automatically generates from the conference bridge name that you provide.
Device Pool	Choose a device pool or choose **Default**.
Location	Choose the appropriate location for this conference bridge. The location specifies the total bandwidth that is available for calls to and from this location. A location setting of *Hub_None* means that the locations feature does not keep track of the bandwidth that this conference bridge consumes.

Table 54-4 Cisco Video Conference Bridge Configuration Settings (continued)

Field	Description
Product-Specific Configuration	
Model-specific configuration fields that the device manufacturer defines	The device manufacturer specifies the model-specific fields under product-specific configuration. Because they are dynamically configured, they can change without notice. To view field descriptions and help for product-specific configuration items, click the "**?**" information icon under the **Product Specific Configuration** heading to display help in a popup dialog box. If you need more information, refer to the documentation for the specific device that you are configuring or contact the manufacturer.

Additional Information

See the "Related Topics" section on page 54-11.

Adding a Cisco Conference Bridge (WS-SVC-CMM) Device

This section describes how to add a Cisco Conference Bridge (WS-SVC-CMM) device.

Before You Begin

Configure the device pools. See the "Device Pool Configuration" section on page 9-1.

Procedure

Step 1 Choose **Media Resources > Conference Bridge**.

Step 2 Click **Add New**.

The Conference Bridge Configuration window displays.

Step 3 Enter the appropriate settings as described in Table 54-5.

Step 4 Click **Save**.

The window refreshes and displays the conference device that you just added.

Step 5 To reset the conference bridge device and apply your changes, click **Reset**.

A message displays that states that this action resets the conference bridge device.

Step 6 Click **Reset**.

Additional Information

See the "Related Topics" section on page 54-11.

Cisco Conference Bridge (WS-SVC-CMM) Configuration Settings

Table 54-5 describes the Cisco Conference Bridge (WS-SVC-CMM) configuration settings.

Table 54-5 Cisco Conference Bridge (WS-SVC-CMM) Configuration Settings

Field	Description
Conference Bridge Type	Choose **Cisco Conference Bridge (WS-SVC-CMM)**. For a description of this type, refer to the "Conference Bridge Types in Cisco CallManager Administration" section on page 24-4.
Description	Enter a description (up to 50 characters) or leave blank to generate automatically from the MAC address that you provide.
MAC Address	Enter a unique device MAC address in this required field. MAC addresses comprise 12 hexadecimal digits (0-9, A-F). **Example** `1231123245AB`
Subunit	From the drop-down list box, choose the value for the daughter card for a given slot on the Communication Media Module card.
Device Pool	Choose a device pool or choose **Default**.
Location	Choose the appropriate location for this conference bridge. The location specifies the total bandwidth that is available for calls to and from this location. A location setting of *Hub_None* means that the locations feature does not keep track of the bandwidth that this conference bridge consumes.
Maximum Capacity	Choose the maximum number of streams for a given service on a daughter card. Possible values include 32, 64, 96, and 128 streams. Ensure that each daughter card has as many ports as the value that you choose.
Product-Specific Configuration	
Model-specific configuration fields that the device manufacturer defines	To view field descriptions and help for product-specific configuration items, click the "**?**" information icon under the **Product Specific Configuration** heading to display help in a popup dialog box. If you need more information, refer to the documentation for the specific device that you are configuring or contact the manufacturer.

Additional Information

See the "Related Topics" section on page 54-11.

Updating a Conference Device

This section describes how to update a conference device.

Before You Begin

Make sure that the following prerequisites are met before you proceed with the steps:

- Configure the servers. See the "Server Configuration" section on page 2-1.
- Configure the device pools. See the "Device Pool Configuration" section on page 9-1.
- Configure the Conference device. See the applicable sections on adding conference devices.

Note Software conference bridges automatically get created when the Cisco CallManager server gets created. See the "Understanding Software Conference Bridge Configuration" section on page 54-3.

- For software conference bridges, activate the Cisco IP Voice Media Streaming Application service. Refer to the *Cisco CallManager Serviceability Administration Guide*.

Procedure

Step 1 Locate the conference bridge by using the procedure in the "Finding a Conference Bridge" section on page 54-2.

Step 2 Click the conference bridge that you want to update.

Step 3 Update the appropriate settings as described in Table 54-1, Table 54-2, Table 54-3, Table 54-5, or Table 54-5.

Step 4 When you have completed your changes, click **Save**.

Additional Information

See the "Related Topics" section on page 54-11.

Deleting a Conference Device

This section describes how to delete a Conference Device. Cisco Conference Bridge Software cannot be deleted. See the "Understanding Software Conference Bridge Configuration" section on page 54-3.

Before You Begin

Cisco CallManager allows you to delete devices that may be associated with things such as media resource groups. To find out what dependencies the conference device may have, choose the **Dependency Records** link from the drop-down list box and click **Go** from the Conference Bridge Configuration window. If the dependency records are not enabled for the system, the dependency records summary window displays a message. For more information about dependency records, see the "Accessing Dependency Records" section on page A-2.

Procedure

Step 1 Locate the conference bridge by using the procedure in the "Finding a Conference Bridge" section on page 54-2.

Step 2 Click the conference bridge that you want to delete.

Step 3 Click **Delete Selected**.

A message displays the following warning:

You are about to permanently delete this Conference Bridge. This action cannot be undone. Continue?

Step 4 To delete the conference device, click **OK**.

Additional Information

See the "Related Topics" section on page 54-11.

Where to Find More Information

- *Cisco IP/VC 3511 MCU and Cisco IP/VC 3540 MCU Module Administrator Guide*
- *Cisco CallManager System Guide*
- *Cisco CallManager Serviceability Administration Guide*

Related Topics

- Finding a Conference Bridge, page 54-2
- Understanding Software Conference Bridge Configuration, page 54-3
- Software Conference Bridge Configuration Settings, page 54-3
- Adding a Hardware Conference Device, page 54-4
- Hardware Conference Bridge Configuration Settings, page 54-5
- Adding a Cisco IOS Conference Bridge Device, page 54-5
- Cisco IOS Conference Bridge Configuration Settings, page 54-6
- Adding a Cisco Video Conference Bridge Device, page 54-6
- Cisco Video Conference Bridge Configuration Settings, page 54-7
- Adding a Cisco Conference Bridge (WS-SVC-CMM) Device, page 54-8
- Cisco Conference Bridge (WS-SVC-CMM) Configuration Settings, page 54-9
- Updating a Conference Device, page 54-10
- Deleting a Conference Device, page 54-10
- Configuring a Meet-Me Number/Pattern, page 50-2
- Meet-Me Number/Pattern Configuration Settings, page 50-3
- Deleting a Meet-Me Number/Pattern, page 50-4
- Where to Find More Information, page 54-11

- Conference Bridges, *Cisco CallManager System Guide*
- Conference Bridge Types in Cisco CallManager Administration, *Cisco CallManager System Guide*