



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:

- [Finding a Conference Bridge, page 28-2](#)
- [Adding a Software Conference Device, page 28-4](#)
- [Software Conference Bridge Configuration Settings, page 28-6](#)
- [Adding a Hardware Conference Device, page 28-8](#)
- [Hardware Conference Bridge Configuration Settings, page 28-9](#)

- [Adding a Cisco IOS Conference Bridge Device, page 28-10](#)
- [Cisco IOS Conference Bridge Configuration Settings, page 28-12](#)
- [Adding a Cisco Video Conference Bridge Device, page 28-13](#)
- [Cisco Video Conference Bridge Configuration Settings, page 28-15](#)
- [Updating a Conference Device, page 28-16](#)
- [Deleting a Conference Device, page 28-17](#)
- [Updating Conference Bridge Parameters, page 28-18](#)
- [Adding a Meet-Me Number/Pattern, page 37-5](#)
- [Meet-Me Number/Pattern Configuration Settings, page 37-8](#)
- [Updating a Meet-Me Number/Pattern, page 37-6](#)
- [Deleting a Meet-Me Number/Pattern, page 37-7](#)

Finding a Conference Bridge

Because you might 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 **Service > Media Resource > 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



Note The criterion that you choose in this drop-down list box specifies how the list of conference bridges that your search generates will be sorted. For example, if you choose **Description**, the **Description** column will display as the left column of the results list.

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, the Description, or the associated Device Pool that matches your search criteria. The window displays the conference bridge that you choose.
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Related Topics

- [Adding a Software Conference Device, page 28-4](#)
- [Adding a Hardware Conference Device, page 28-8](#)
- [Adding a Cisco IOS Conference Bridge Device, page 28-10](#)
- [Adding a Cisco Video Conference Bridge Device, page 28-13](#)
- [Updating a Conference Device, page 28-16](#)
- [Deleting a Conference Device, page 28-17](#)
- [Updating Conference Bridge Parameters, page 28-18](#)
- [Conference Bridges, *Cisco CallManager System Guide*](#)

Adding a Software Conference Device

This section describes how to add a software conference device. For Conference Bridge hardware configuration, see the [“Adding a Hardware Conference Device” section on page 28-8](#).

Before You Begin

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

- Make sure that servers are configured. See the [“Server Configuration” section on page 2-1](#).
- Make sure that device pools are configured. See the [“Device Pool Configuration” section on page 8-1](#).
- Make sure that the Cisco IP Voice Media Streaming Application service is activated on the server. This optional software service runs on a server and allows software conferencing. Refer to the *Cisco CallManager Serviceability Administration Guide* for more information.

Procedure

- Step 1** Choose **Service > Media Resource > Conference Bridge**.
- Step 2** In the upper, right corner of the window, click the **Add a New Conference Bridge** link.
- The Conference Bridge Configuration window displays.
- Step 3** Enter the appropriate settings as described in [Table 28-1](#).
- Step 4** Click **Insert**.
- Step 5** Click **OK**.
- The window refreshes and shows the information, including the status, for the device that you just added.
- Step 6** To reset the conference bridge device and apply your changes, click the **Reset** button.
- A message displays to state that this action resets the conference bridge device.
- Step 7** Click **OK**.
-

Related Topics

- [Finding a Conference Bridge, page 28-2](#)
- [Software Conference Bridge Configuration Settings, page 28-6](#)
- [Adding a Hardware Conference Device, page 28-8](#)

- [Adding a Cisco IOS Conference Bridge Device](#), page 28-10
- [Adding a Cisco Video Conference Bridge Device](#), page 28-13
- [Updating a Conference Device](#), page 28-16
- [Deleting a Conference Device](#), page 28-17
- [Updating Conference Bridge Parameters](#), page 28-18
- [Conference Bridges](#), *Cisco CallManager System Guide*
- [Software Conference Devices](#), *Cisco CallManager System Guide*
- [Conference Bridge Types in Cisco CallManager Administration](#), *Cisco CallManager System Guide*

Software Conference Bridge Configuration Settings

[Table 28-1](#) describes the software conference bridge configuration settings.

Table 28-1 Software Conference Bridge Configuration Settings

Field	Description
Conference Bridge Type	Choose Cisco Conference Bridge Software . For a description of this type, refer to the “Conference Bridge Types in Cisco CallManager Administration” section on page 20-5.
Host Server	Choose a host server that contains the Cisco IP Voice Media Streaming Application service that you want to use. If the server that you want to use does not appear in the drop-down list box, you must use Cisco CallManager Serviceability to activate the Cisco IP Voice Media Streaming Application service on that server. Tip A server can only use one software conference bridge.

Table 28-1 Software Conference Bridge Configuration Settings (continued)

Field	Description
Conference Bridge Name	Enter a name in this required field for the conference device, up to 15 alphanumeric characters. Note If the specified device name is longer than 15 characters, the device cannot successfully register with the Cisco CallManager.
Description	Enter a description for the software conference device.
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 <i>None</i> means that the locations feature does not keep track of the bandwidth that this conference bridge consumes.

Related Topics

- [Finding a Conference Bridge, page 28-2](#)
- [Adding a Software Conference Device, page 28-4](#)
- [Deleting a Conference Device, page 28-17](#)
- [Updating a Conference Device, page 28-16](#)
- [Conference Bridges, *Cisco CallManager System Guide*](#)
- [Software Conference Devices, *Cisco CallManager System Guide*](#)
- [Conference Bridge Types in Cisco CallManager Administration, *Cisco CallManager System Guide*](#)

Adding a Hardware Conference Device

This section describes how to add a hardware conference device. For Conference Bridge software configuration, see the [“Adding a Software Conference Device” section on page 28-4](#).

Before You Begin

Configure the Device pools. See the [“Device Pool Configuration” section on page 8-1](#).

Procedure

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- Step 1** Choose **Service > Media Resource > Conference Bridge**.
- Step 2** In the upper, right corner of the window, click the **Add a New Conference Bridge** link.
- The Conference Bridge Configuration window displays.
- Step 3** Enter the appropriate settings as described in [Table 28-2](#).
- Step 4** Click **Insert**.
- Step 5** Click **OK**.
- The window refreshes and displays the conference device that you just added. The device should appear in the list on the left side of the window.
- Step 6** To reset the conference bridge device and apply your changes, click the **Reset** button.
- A message displays that states that this action resets the conference bridge device.
- Step 7** Click **OK**.
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Related Topics

- [Finding a Conference Bridge, page 28-2](#)
- [Hardware Conference Bridge Configuration Settings, page 28-9](#)
- [Adding a Software Conference Device, page 28-4](#)
- [Adding a Cisco IOS Conference Bridge Device, page 28-10](#)

- [Adding a Cisco Video Conference Bridge Device](#), page 28-13
- [Updating a Conference Device](#), page 28-16
- [Deleting a Conference Device](#), page 28-17
- [Updating Conference Bridge Parameters](#), page 28-18
- [Updating a Meet-Me Number/Pattern](#), page 37-6
- [Adding a Meet-Me Number/Pattern](#), page 37-5
- [Conference Bridges](#), *Cisco CallManager System Guide*
- [Software Conference Devices](#), *Cisco CallManager System Guide*
- [Conference Bridge Types in Cisco CallManager Administration](#), *Cisco CallManager System Guide*

Hardware Conference Bridge Configuration Settings

Table 28-2 describes the hardware conference bridge configuration settings.

Table 28-2 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 20-5.
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 .

Table 28-2 Hardware Conference Bridge Configuration Settings (continued)

Field	Description
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 <i>None</i> 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.

Related Topics

- [Finding a Conference Bridge, page 28-2](#)
- [Adding a Hardware Conference Device, page 28-8](#)
- [Updating a Conference Device, page 28-16](#)
- [Deleting a Conference Device, page 28-17](#)
- [Updating Conference Bridge Parameters, page 28-18](#)
- [Conference Bridges, Cisco CallManager System Guide](#)
- [Hardware Conference Devices, Cisco CallManager System Guide](#)
- [Conference Bridge Types in Cisco CallManager Administration, Cisco CallManager System Guide](#)

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 8-1](#).

Procedure

- Step 1** Choose **Service > Media Resource > Conference Bridge**.
- Step 2** In the upper, right corner of the window, click the **Add a New Conference Bridge** link.
- The Conference Bridge Configuration window displays.
- Step 3** Enter the appropriate settings as described in [Table 28-3](#).
- Step 4** Click **Insert**.
- Step 5** Click **OK**.
- The window refreshes and displays the conference device that you just added. The device should appear in the list on the left side of the window.
- Step 6** To reset the conference bridge device and apply your changes, click the **Reset** button.
- A message displays that states that this action resets the conference bridge device.
- Step 7** Click **OK**.
-

Related Topics

- [Finding a Conference Bridge, page 28-2](#)
- [Adding a Software Conference Device, page 28-4](#)
- [Adding a Hardware Conference Device, page 28-8](#)
- [Cisco IOS Conference Bridge Configuration Settings, page 28-12](#)
- [Adding a Cisco Video Conference Bridge Device, page 28-13](#)
- [Updating a Conference Device, page 28-16](#)
- [Deleting a Conference Device, page 28-17](#)
- [Updating Conference Bridge Parameters, page 28-18](#)
- [Updating a Meet-Me Number/Pattern, page 37-6](#)
- [Deleting a Meet-Me Number/Pattern, page 37-7](#)

- [Conference Bridges](#), *Cisco CallManager System Guide*
- [Conference Bridge Types in Cisco CallManager Administration](#), *Cisco CallManager System Guide*

Cisco IOS Conference Bridge Configuration Settings

[Table 28-3](#) describes the Cisco IOS conference bridge configuration settings.

Table 28-3 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 20-5.
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 <i>None</i> means that the locations feature does not keep track of the bandwidth that this conference bridge consumes.

Related Topics

- [Finding a Conference Bridge](#), page 28-2
- [Adding a Cisco IOS Conference Bridge Device](#), page 28-10
- [Updating a Conference Device](#), page 28-16
- [Deleting a Conference Device](#), page 28-17

- [Updating Conference Bridge Parameters, page 28-18](#)
- [Conference Bridges, Cisco CallManager System Guide](#)
- [Conference Bridge Types in Cisco CallManager Administration, Cisco CallManager System Guide](#)

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 8-1](#).

Procedure

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- Step 1** Choose **Service > Media Resource > Conference Bridge**.
 - Step 2** In the upper, right corner of the window, click the **Add a New Conference Bridge** link.
The Conference Bridge Configuration window displays.
 - Step 3** Enter the appropriate settings as described in [Table 28-4](#).
 - Step 4** Click **Insert**.
 - Step 5** Click **OK**.
The window refreshes and displays the conference device that you just added. The device should appear in the list on the left side of the window.
 - Step 6** To reset the conference bridge device and apply your changes, click the **Reset** button.
A message displays that states that this action resets the conference bridge device.
 - Step 7** Click **OK**.
-

Related Topics

- [Finding a Conference Bridge, page 28-2](#)
- [Adding a Software Conference Device, page 28-4](#)
- [Adding a Hardware Conference Device, page 28-8](#)
- [Adding a Cisco IOS Conference Bridge Device, page 28-10](#)
- [Cisco Video Conference Bridge Configuration Settings, page 28-15](#)
- [Updating a Conference Device, page 28-16](#)
- [Deleting a Conference Device, page 28-17](#)
- [Updating Conference Bridge Parameters, page 28-18](#)
- [Conference Bridges, *Cisco CallManager System Guide*](#)
- [Conference Bridge Types in Cisco CallManager Administration, *Cisco CallManager System Guide*](#)
- [Cisco IP/VC 3511 MCU and Cisco IP/VC 3540 MCU Module Administrator Guide](#)

Cisco Video Conference Bridge Configuration Settings

Table 28-4 describes the Cisco video conference bridge configuration settings.

Table 28-4 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 20-5.
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 <i>None</i> means that the locations feature does not keep track of the bandwidth that this conference bridge consumes.

Related Topics

- [Finding a Conference Bridge, page 28-2](#)
- [Adding a Cisco Video Conference Bridge Device, page 28-13](#)
- [Updating a Conference Device, page 28-16](#)
- [Deleting a Conference Device, page 28-17](#)
- [Updating Conference Bridge Parameters, page 28-18](#)

- [Conference Bridges](#), *Cisco CallManager System Guide*
- [Conference Bridge Types in Cisco CallManager Administration](#), *Cisco CallManager System Guide*
- *Cisco IP/VC 3511 MCU and Cisco IP/VC 3540 MCU Module Administrator Guide*

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 8-1.
- Configure the Conference device. See the [“Adding a Software Conference Device”](#) section on page 28-4.
- 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 28-2.
- Step 2** Click the conference bridge that you want to update.
- Step 3** Update the appropriate settings as described in [Table 28-1](#), [Table 28-2](#), or [Table 28-3](#).
- Step 4** When you have completed your changes, click **Update**.
A message states that the changes take effect when you reset the conference bridge.
- Step 5** Click **OK**.

- Step 6** To reset the conference bridge device, click the **Reset** button.
A message displays that states that this action resets the conference bridge device.
- Step 7** Click **OK**.
-

Related Topics

- [Finding a Conference Bridge, page 28-2](#)
- [Adding a Software Conference Device, page 28-4](#)
- [Adding a Hardware Conference Device, page 28-8](#)
- [Adding a Cisco IOS Conference Bridge Device, page 28-10](#)
- [Adding a Cisco Video Conference Bridge Device, page 28-13](#)
- [Deleting a Conference Device, page 28-17](#)
- [Updating Conference Bridge Parameters, page 28-18](#)
- [Updating a Meet-Me Number/Pattern, page 37-6](#)
- [Deleting a Meet-Me Number/Pattern, page 37-7](#)
- [Conference Bridges, *Cisco CallManager System Guide*](#)

Deleting a Conference Device

This section describes how to delete a Conference Device.



Note

You cannot delete devices that are assigned to a media resource group. To do so, you must first remove the conference device from the media resource group(s) to which it is assigned.

Procedure

- Step 1** Locate the conference bridge by using the procedure in the [“Finding a Conference Bridge”](#) section on page 28-2.
- Step 2** Click the conference bridge that you want to delete.

Step 3 Click **Delete**.

A message displays that states that you are about to permanently delete the device and that this action cannot be undone.

Step 4 If you want to continue with the deletion, click **OK**; otherwise, click **Cancel**.

The window refreshes again, and the conference device that you deleted is removed from the list of devices, and all active calls terminate.

Related Topics

- [Finding a Conference Bridge, page 28-2](#)
- [Adding a Software Conference Device, page 28-4](#)
- [Adding a Hardware Conference Device, page 28-8](#)
- [Adding a Cisco IOS Conference Bridge Device, page 28-10](#)
- [Adding a Cisco Video Conference Bridge Device, page 28-13](#)
- [Updating a Conference Device, page 28-16](#)
- [Updating Conference Bridge Parameters, page 28-18](#)
- [Updating a Meet-Me Number/Pattern, page 37-6](#)
- [Deleting a Meet-Me Number/Pattern, page 37-7](#)
- [Conference Bridges, *Cisco CallManager System Guide*](#)

Updating Conference Bridge Parameters

This section describes how to update conference bridge parameters.

**Note**

Cisco CallManager deletes the conference bridge service parameters if you deactivate the Cisco IP Voice Media Streaming Application service. If you activate the service after deactivating it, Cisco CallManager sets the service parameters to their default values.

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 8-1.
- Configure Cisco CallManager. See the “[Cisco CallManager Configuration](#)” section on page 3-1.

Procedure

- Step 1** Choose **Service > Media Resource > Conference Bridge**.
- Step 2** From the top, right corner of the window, click **Conference Bridge Parameters**.
The maximum number of users that are configured for both an ad hoc conference and a Meet-Me conference using Unicast appears under the Conference Bridge Parameters heading.
- Step 3** Change the maximum number of users accordingly and click **Update**.
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Related Topics

- [Finding a Conference Bridge, page 28-2](#)
- [Adding a Software Conference Device, page 28-4](#)
- [Adding a Hardware Conference Device, page 28-8](#)
- [Adding a Cisco IOS Conference Bridge Device, page 28-10](#)
- [Adding a Cisco Video Conference Bridge Device, page 28-13](#)
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- [Conference Bridges, *Cisco CallManager System Guide*](#)

