



## Conference Bridge Configuration

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Conference Bridge for Cisco CallManager, a software and 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. For software conference devices, you can adjust the number of streams. Hardware conference devices, however, support a fixed number of streams.

Refer to the “[Conference Bridges](#)” section of the *Cisco CallManager System Guide* for more information about conference bridges.



### Note

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

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Use the following topics to configure conference bridges:

- [Adding a Software Conference Device, page 27-2](#)
- [Software Conference Bridge Configuration Settings, page 27-4](#)
- [Adding a Hardware Conference Device, page 27-5](#)
- [Hardware Conference Bridge Configuration Settings, page 27-6](#)
- [Adding a Cisco IOS Conference Bridge Device, page 27-7](#)
- [Cisco IOS Conference Bridge Configuration Settings, page 27-8](#)
- [Updating a Conference Device, page 27-9](#)

- [Deleting a Conference Device, page 27-11](#)
- [Updating Conference Bridge Parameters, page 27-12](#)
- [Adding a Meet-Me Number/Pattern, page 36-1](#)
- [Meet-Me Number/Pattern Configuration Settings, page 36-5](#)
- [Updating a Meet-Me Number/Pattern, page 36-3](#)
- [Deleting a Meet-Me Number/Pattern, page 36-4](#)

## 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 27-5](#).

### 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 or software Media Termination Point (MTP). Refer to the *Cisco CallManager Serviceability Administration Guide* for more information.

### Procedure

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- Step 1** Choose **Service > Media Resource > Conference Bridge**.
- Step 2** Enter the appropriate settings as described in [Table 27-1](#).
- Step 3** Click **Insert**.

**Step 4** Click **OK**.

The window refreshes and shows the information, including the status, for the device that you just added.

**Step 5** 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 6** Click **OK**.

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### Related Topics

- [Software Conference Bridge Configuration Settings, page 27-4](#)
- [Adding a Hardware Conference Device, page 27-5](#)
- [Adding a Cisco IOS Conference Bridge Device, page 27-7](#)
- [Updating a Conference Device, page 27-9](#)
- [Deleting a Conference Device, page 27-11](#)
- [Updating Conference Bridge Parameters, page 27-12](#)
- [Updating a Meet-Me Number/Pattern, page 36-3](#)
- [Conference Bridges, \*Cisco CallManager System Guide\*](#)
- [Software Conferences Devices, \*Cisco CallManager System Guide\*](#)

# Software Conference Bridge Configuration Settings

Table 27-1 describes the software conference bridge configuration settings

**Table 27-1 Software Conference Bridge Configuration Settings**

Field	Description
Conference Bridge Type	Choose <b>Cisco Conference Bridge Software</b> .
Host Server	<p>Choose a host server that contains the Cisco IP Voice Media Streaming Application service that you want to use.</p> <p>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.</p>
Conference Bridge Name	<p>Enter a name in this required field for the conference device, up to 15 alphanumeric characters.</p> <p><b>Note</b> If the specified device name is longer than 15 characters, the device cannot successfully register with the Cisco CallManager.</p>
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 <b>Default</b> .
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 is consumed by this conference bridge.

**Related Topics**

- [Adding a Software Conference Device, page 27-2](#)
- [Updating a Conference Device, page 27-9](#)
- [Software Conferences Devices, 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 27-2.

**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** Enter the appropriate settings as described in [Table 27-2](#).

**Step 3** Click **Insert**.

**Step 4** 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 5** 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 6** Click **OK**.

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**Related Topics**

- [Adding a Software Conference Device, page 27-2](#)
- [Hardware Conference Bridge Configuration Settings, page 27-6](#)

- [Adding a Cisco IOS Conference Bridge Device, page 27-7](#)
- [Updating a Conference Device, page 27-9](#)
- [Deleting a Conference Device, page 27-11](#)
- [Updating Conference Bridge Parameters, page 27-12](#)
- [Updating a Meet-Me Number/Pattern, page 36-3](#)
- [Adding a Meet-Me Number/Pattern, page 36-1](#)
- [Conference Bridges, Cisco CallManager System Guide](#)
- [Hardware Conference Devices, Cisco CallManager System Guide](#)

## Hardware Conference Bridge Configuration Settings

Table 27-2 describes the hardware conference bridge configuration settings.

**Table 27-2 Hardware Conference Bridge Configuration Settings**

Field	Description
Conference Bridge Type	Choose <b>Cisco Conference Bridge Hardware</b> .
MAC Address	Enter a unique device MAC address in this required field. MAC addresses comprise 12 hexadecimal digits (0-9, A-F).  <b>Example</b> 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 <b>Default</b> .

**Table 27-2 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 is consumed by this conference bridge.
Special Load Information	Enter any special load information or leave blank to use default.

**Related Topics**

- [Adding a Hardware Conference Device, page 27-5](#)
- [Updating a Conference Device, page 27-9](#)

## 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**

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- Step 1** Choose **Service > Media Resource > Conference Bridge**.
  - Step 2** Enter the appropriate settings as described in [Table 27-3](#).
  - Step 3** Click **Insert**.
  - Step 4** 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 5** 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 6** Click **OK**.
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### Related Topics

- [Adding a Software Conference Device, page 27-2](#)
- [Adding a Hardware Conference Device, page 27-5](#)
- [Cisco IOS Conference Bridge Configuration Settings, page 27-8](#)
- [Updating a Conference Device, page 27-9](#)
- [Deleting a Conference Device, page 27-11](#)
- [Updating Conference Bridge Parameters, page 27-12](#)
- [Updating a Meet-Me Number/Pattern, page 36-3](#)
- [Deleting a Meet-Me Number/Pattern, page 36-4](#)
- [Conference Bridges, Cisco CallManager System Guide](#)

## Cisco IOS Conference Bridge Configuration Settings

Table 27-3 describes the Cisco IOS conference bridge configuration settings.

**Table 27-3 Cisco IOS Conference Bridge Configuration Settings**

Field	Description
Conference Bridge Type	Choose <b>Cisco IOS Conference Bridge</b> .
Conference Bridge Name	Enter the host name of the Cisco VG200 in the format xxxxxxxxxxxxCFB, where xxxxxxxxxxxx represents the MAC address of the Cisco VG200.  <b>Example</b> 1231123245ABCFB

**Table 27-3 Cisco IOS Conference Bridge Configuration Settings (continued)**

Field	Description
Description	This field automatically generates from the conference bridge name that you provide.
Device Pool	Choose a device pool or choose <b>Default</b> .
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 is consumed by this conference bridge.

**Related Topics**

- [Adding a Cisco IOS Conference Bridge Device, page 27-7](#)
- [Updating a Conference Device, page 27-9](#)

## 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 27-2.
- For software conference bridges, activate the Cisco IP Voice Media Streaming Application service. Refer to the *Cisco CallManager Serviceability Administration Guide*.

### Procedure

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- Step 1** Choose **Service > Media Resource > Conference Bridge**.
- Step 2** From the Conference Bridges list, choose the conference bridge device that you want to update.
- The window refreshes and shows the device that you want to update.
- Step 3** Update the appropriate settings as described in [Table 27-1](#), [Table 27-2](#), or [Table 27-3](#).
- 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**.
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### Related Topics

- [Adding a Software Conference Device, page 27-2](#)
- [Adding a Hardware Conference Device, page 27-5](#)
- [Adding a Cisco IOS Conference Bridge Device, page 27-7](#)
- [Deleting a Conference Device, page 27-11](#)
- [Updating Conference Bridge Parameters, page 27-12](#)
- [Updating a Meet-Me Number/Pattern, page 36-3](#)
- [Deleting a Meet-Me Number/Pattern, page 36-4](#)
- [Conference Bridges, \*Cisco CallManager System Guide\*](#)

# Deleting a Conference Device

This section describes how to delete a Conference Device.

**Note**

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You cannot delete devices that are assigned to the Media Resource Manager (MRM) or 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.

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**Procedure**

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- Step 1** Choose **Service > Media Resource > Conference Bridge**.
- Step 2** From the Conference Bridges list, choose the device that you want to delete. The window refreshes and shows the device that you chose.
- 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.
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**Related Topics**

- [Adding a Software Conference Device, page 27-2](#)
- [Hardware Conference Bridge Configuration Settings, page 27-6](#)
- [Cisco IOS Conference Bridge Configuration Settings, page 27-8](#)
- [Updating a Conference Device, page 27-9](#)
- [Updating Conference Bridge Parameters, page 27-12](#)
- [Updating a Meet-Me Number/Pattern, page 36-3](#)
- [Deleting a Meet-Me Number/Pattern, page 36-4](#)
- [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**.

**Related Topics**

- [Adding a Software Conference Device, page 27-2](#)
- [Adding a Hardware Conference Device, page 27-5](#)
- [Adding a Cisco IOS Conference Bridge Device, page 27-7](#)
- [Updating a Conference Device, page 27-9](#)

- [Deleting a Conference Device](#), page 27-11
- [Updating a Meet-Me Number/Pattern](#), page 36-3
- [Deleting a Meet-Me Number/Pattern](#), page 36-4
- [Conference Bridges](#), *Cisco CallManager System Guide*

