



Conference Bridge Configuration

Conference Bridge for Cisco CallManager is a software and hardware application designed to allow both Ad-Hoc and Meet-Me voice conferencing. Each conference bridge is capable of hosting 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 they support. For software conference devices, you can adjust the number of streams. Hardware conference devices, however, support a fixed number of streams.



Note

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

Use the following topics to configure conference bridges:

- [Adding a Software Conference Device, page 25-2](#)
- [Software Conference Bridge Configuration Settings, page 25-4](#)
- [Adding a Hardware Conference Device, page 25-5](#)
- [Hardware Conference Bridge Configuration Settings, page 25-6](#)
- [Adding a Cisco IOS Conference Bridge Device, page 25-7](#)
- [Cisco IOS Conference Bridge Configuration Settings, page 25-8](#)
- [Updating a Conference Device, page 25-9](#)
- [Deleting a Conference Device, page 25-10](#)

- [Updating Conference Bridge Parameters](#), page 25-12
- [Adding a Meet-Me Number/Pattern](#), page 37-1
- [Meet-Me Number/Pattern Configuration Settings](#), page 37-5
- [Updating a Meet-Me Number/Pattern](#), page 37-2
- [Deleting a Meet-Me Number/Pattern](#), page 37-4
- [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 25-5](#).

Before You Begin

Make sure the following prerequisites are met before proceeding with the steps:

- Make sure servers are configured. See the [“Server Configuration” section on page 2-1](#).
- Make sure device pools are configured. See the [“Device Pool Configuration” section on page 8-1](#).
- Make sure the Cisco IP Voice Media Streaming Application service is installed on the server. This optional software service runs on a server and allows software conferencing or software Media Termination Point (MTP).

Procedure

- Step 1** Choose **Service > Media Resource > Conference Bridge**.
- Step 2** Enter the appropriate settings as described in [Table 25-1](#).
- Step 3** Click **Insert**.
- Step 4** Click **OK**.

The window refreshes, showing the information, including the status, for the device you just added.

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

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

Step 6 Click **OK**.

Related Topics

- [Software Conference Bridge Configuration Settings, page 25-4](#)
- [Adding a Hardware Conference Device, page 25-5](#)
- [Adding a Cisco IOS Conference Bridge Device, page 25-7](#)
- [Updating a Conference Device, page 25-9](#)
- [Deleting a Conference Device, page 25-10](#)
- [Updating Conference Bridge Parameters, page 25-12](#)
- [Updating a Meet-Me Number/Pattern, page 37-2](#)
- [Conference Bridges, *Cisco CallManager System Guide*](#)
- [Software Conferences Devices, *Cisco CallManager System Guide*](#)

Software Conference Bridge Configuration Settings

Table 25-1 describes the software conference bridge configuration settings

Table 25-1 Software Conference Bridge Configuration Settings

Field	Description
Conference Bridge Type	Choose Cisco Conference Bridge Software .
Host Server	Use this required field to choose a host server that contains the Cisco IP Voice Media Streaming Application service you wish to use.
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 having the highest priority within the Cisco CallManager group you are using or choose Default .
Location	Choose the appropriate location for this conference bridge. The location specifies the total bandwidth 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 consumed by this conference bridge.

Related Topics

- [Adding a Software Conference Device, page 25-2](#)
- [Updating a Conference Device, page 25-9](#)
- [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 25-2](#).

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 Enter the appropriate settings as described in [Table 25-2](#).

Step 3 Click **Insert**.

Step 4 Click **OK**.

The window refreshes and displays the conference device 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 stating that this action resets the conference bridge device.

Step 6 Click **OK**.

Related Topics

- [Adding a Software Conference Device, page 25-2](#)
- [Hardware Conference Bridge Configuration Settings, page 25-6](#)
- [Adding a Cisco IOS Conference Bridge Device, page 25-7](#)
- [Updating a Conference Device, page 25-9](#)
- [Deleting a Conference Device, page 25-10](#)
- [Updating Conference Bridge Parameters, page 25-12](#)
- [Updating a Meet-Me Number/Pattern, page 37-2](#)

- [Adding a Meet-Me Number/Pattern](#), page 37-1
- [Conference Bridges](#), *Cisco CallManager System Guide*
- [Hardware Conference Devices](#), *Cisco CallManager System Guide*

Hardware Conference Bridge Configuration Settings

Table 25-2 describes the hardware conference bridge configuration settings.

Table 25-2 Hardware Conference Bridge Configuration Settings

Field	Description
Conference Bridge Type	Select Cisco Conference Bridge Hardware .
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 you provide.
Device Pool	Choose a device pool having the highest priority within the Cisco CallManager group you are using or choose Default .
Location	Choose the appropriate location for this conference bridge. The location specifies the total bandwidth 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 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 25-5](#)
- [Updating a Conference Device, page 25-9](#)

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

Step 1 Choose **Service > Media Resource > Conference Bridge**.

Step 2 Enter the appropriate settings as described in [Table 25-3](#).

Step 3 Click **Insert**.

Step 4 Click **OK**.

The window refreshes and displays the conference device 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 stating that this action resets the conference bridge device.

Step 6 Click **OK**.

Related Topics

- [Adding a Software Conference Device, page 25-2](#)
- [Adding a Hardware Conference Device, page 25-5](#)
- [Cisco IOS Conference Bridge Configuration Settings, page 25-8](#)
- [Updating a Conference Device, page 25-9](#)
- [Deleting a Conference Device, page 25-10](#)

- [Updating Conference Bridge Parameters, page 25-12](#)
- [Updating a Meet-Me Number/Pattern, page 37-2](#)
- [Deleting a Meet-Me Number/Pattern, page 37-4](#)
- [Conference Bridges, Cisco CallManager System Guide](#)

Cisco IOS Conference Bridge Configuration Settings

Table 25-3 describes the Cisco IOS conference bridge configuration settings.

Table 25-3 Cisco IOS Conference Bridge Configuration Settings

Field	Description
Conference Bridge Type	Select Cisco IOS Conference Bridge .
MAC Address	Enter the host name of the Cisco VG200 in the format MTPxxxxxxxxxxxx, where xxxxxxxxxxxx represents the MAC address of the Cisco VG200. Example MTP1231123245AB
Description	This field automatically generates from the MAC address you provide.
Device Pool	Choose a device pool or choose Default .
Call Count (Max Streams)	Enter the maximum number of simultaneous callers or voice streams allowed on the conference bridge.

Related Topics

- [Adding a Cisco IOS Conference Bridge Device, page 25-7](#)
- [Updating a Conference Device, page 25-9](#)

Updating a Conference Device

This section describes how to update a Conference Device.

**Note**

In order to perform this procedure, make sure the service is installed.

Before You Begin

Make sure the following prerequisites are met before proceeding 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 25-2.

Procedure

- Step 1** Click **Service > Media Resource > Conference Bridge**.
- Step 2** Choose the conference bridge device you want to update from the Conference Bridges list.
- The window refreshes showing the device you want to update.
- Step 3** Update the appropriate settings as described in [Table 25-1](#), [Table 25-2](#), or [Table 25-3](#).
- 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 stating that this action resets the conference bridge device.
- Step 7** Click **OK**.
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Related Topics

- [Adding a Software Conference Device, page 25-2](#)
- [Adding a Hardware Conference Device, page 25-5](#)
- [Adding a Cisco IOS Conference Bridge Device, page 25-7](#)
- [Deleting a Conference Device, page 25-10](#)
- [Updating Conference Bridge Parameters, page 25-12](#)
- [Updating a Meet-Me Number/Pattern, page 37-2](#)
- [Deleting a Meet-Me Number/Pattern, page 37-4](#)
- [Conference Bridges](#), *Cisco CallManager System Guide*

Deleting a Conference Device

This section describes how to delete a Conference Device.



Note

To perform this procedure, make sure the service is installed. You cannot delete devices assigned to the Media Resource Manager (MRM).

Before You Begin

Make sure the following prerequisites are met before proceeding 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 [“Conference Bridge Configuration” section on page 25-1](#).

Procedure

- Step 1** Choose **Service > Media Resource > Conference Bridge**.
- Step 2** Choose the device you want to delete from the Conference Bridges list.
The window refreshes, showing the device you selected.

Step 3 Click **Delete**.

A message displays stating 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 you deleted is removed from the list of devices, and all active calls terminate.

Related Topics

- [Adding a Software Conference Device, page 25-2](#)
- [Hardware Conference Bridge Configuration Settings, page 25-6](#)
- [Cisco IOS Conference Bridge Configuration Settings, page 25-8](#)
- [Updating a Conference Device, page 25-9](#)
- [Updating Conference Bridge Parameters, page 25-12](#)
- [Updating a Meet-Me Number/Pattern, page 37-2](#)
- [Deleting a Meet-Me Number/Pattern, page 37-4](#)
- [Conference Bridges, *Cisco CallManager System Guide*](#)

Updating Conference Bridge Parameters

This section describes how to update Conference Bridge Parameters.

Before You Begin

Make sure the following prerequisites are met before proceeding 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

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- Step 1** Choose **Service > Media Resource > Conference Bridge**.
- Step 2** Click **Conference Bridge Parameters** from the top, right corner of the window.
- Step 3** Choose the Cisco CallManager on which you want to update the conference parameters and click **Next**.
- The maximum number of users configured for both an Ad-Hoc conference and a Meet-Me conference using Unicast appear under the Conference Bridge Parameters heading.
- Step 4** Change the maximum number of users accordingly and click **Update**.
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Related Topics

- [Adding a Software Conference Device, page 25-2](#)
- [Adding a Hardware Conference Device, page 25-5](#)
- [Adding a Cisco IOS Conference Bridge Device, page 25-7](#)
- [Updating a Conference Device, page 25-9](#)
- [Deleting a Conference Device, page 25-10](#)
- [Updating a Meet-Me Number/Pattern, page 37-2](#)

- [Deleting a Meet-Me Number/Pattern, page 37-4](#)
- [Conference Bridges, *Cisco CallManager System Guide*](#)

