



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.

Cisco CallManager supports multiple conference devices to distribute the load of mixing audio between the conference devices. A component of Cisco CallManager called Media Resource Manager (MRM) locates and assigns resources throughout a cluster. The MRM resides on every Cisco CallManager and communicates with MRMs on other Cisco CallManagers.

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](#)

- [Updating a Conference Device, page 25-7](#)
- [Deleting a Conference Device, page 25-8](#)
- [Updating Conference Bridge Parameters, page 25-9](#)
- [Adding a Meet-Me Number/Pattern, page 25-10](#)
- [Meet-Me Number/Pattern Configuration Settings, page 25-14](#)
- [Updating a Meet-Me Number/Pattern, page 25-12](#)
- [Deleting a Meet-Me Number/Pattern, page 25-13](#)

Adding a Software Conference Device

This section describes how to add a **software** conference device. For Conference Bridge hardware configuration, refer to the [“Adding a Hardware Conference Device” section on page 25-5](#).

**Note**

Make sure the service is installed in order to perform this procedure.

Before You Begin

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

- Make sure servers are configured. Refer to the [“Server Configuration” section on page 2-1](#).
- Make sure device pools are configured. Refer to 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

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- Step 1** Choose **Service > Conference Bridge**.
- Step 2** Enter the appropriate settings as described in [Table 25-1](#).

Step 3 Click **Insert**.

A message displays stating that the Conference Bridge device must be reset for the changes to take effect.

Step 4 Click **OK**.

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

Related Topics

- [Adding a Software Conference Device, page 25-2](#)
- [Adding a Hardware Conference Device, page 25-5](#)
- [Updating a Conference Device, page 25-7](#)
- [Deleting a Conference Device, page 25-8](#)
- [Updating Conference Bridge Parameters, page 25-9](#)
- [Adding a Meet-Me Number/Pattern, page 25-10](#)
- [Updating a Meet-Me Number/Pattern, page 25-12](#)
- [Deleting a Meet-Me Number/Pattern, page 25-13](#)
- [Meet-Me Number/Pattern Configuration Settings, page 25-14](#)
- [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	Use this required field to choose a device pool to which you want this conference device assigned. You can choose one of the available device pools, or you can choose the default device pool.
Call Count (Max Streams)	Enter a number in this required field for the maximum number of full-duplex audio streams that this software conference bridge supports. Valid values range from 3 to 128.

Related Topics

- [Adding a Software Conference Device, page 25-2](#)
- [Updating a Conference Device, page 25-7](#)
- [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](#).

**Note**

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

Before You Begin

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

Procedure

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

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

Step 3 Click **Insert**.

A message displays stating that the Conference Bridge device must be reset in order for the changes to take effect.

Step 4 Click **OK**.

The pane refreshes and displays the conference device you just added. The device should appear in the list on the left side of the pane.

Related Topics

- [Adding a Software Conference Device, page 25-2](#)
- [Adding a Software Conference Device, page 25-2](#)
- [Updating a Conference Device, page 25-7](#)
- [Deleting a Conference Device, page 25-8](#)
- [Updating Conference Bridge Parameters, page 25-9](#)
- [Adding a Meet-Me Number/Pattern, page 25-10](#)
- [Updating a Meet-Me Number/Pattern, page 25-12](#)

- [Deleting a Meet-Me Number/Pattern, page 25-13](#)
- [Meet-Me Number/Pattern Configuration Settings, page 25-14](#)
- [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 or choose Default .
Call Count (Max Streams)	Enter a number in this required field for the maximum number of full-duplex audio streams that this hardware conference bridge supports. Valid values range from 3 to 128.
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 25-7](#)

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 > Conference Bridge**.

Step 2 Choose the conference bridge device you want to update from the Conference Bridges list.

The pane refreshes showing the device you want to update.

Step 3 Update the appropriate settings as described in [Table 25-1](#) or [Table 25-2](#).

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

A message displays stating that the Conference Bridge device must be reset for the changes to take effect.

Step 5 Click **OK**.

The pane refreshes showing the updated device information.

Related Topics

- [Adding a Software Conference Device, page 25-2](#)
- [Adding a Software Conference Device, page 25-2](#)
- [Adding a Hardware Conference Device, page 25-5](#)

- [Deleting a Conference Device, page 25-8](#)
- [Updating Conference Bridge Parameters, page 25-9](#)
- [Adding a Meet-Me Number/Pattern, page 25-10](#)
- [Updating a Meet-Me Number/Pattern, page 25-12](#)
- [Deleting a Meet-Me Number/Pattern, page 25-13](#)
- [Software Conference Bridge Configuration Settings, page 25-4](#)
- [Hardware Conference Bridge Configuration Settings, page 25-6](#)

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 > Conference Bridge**.
- Step 2** Choose the device you want to delete from the Conference Bridges list.
The pane 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 pane refreshes again, and the conference device 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 25-2](#)
- [Adding a Software Conference Device, page 25-2](#)
- [Adding a Hardware Conference Device, page 25-5](#)
- [Updating a Conference Device, page 25-7](#)
- [Updating Conference Bridge Parameters, page 25-9](#)
- [Adding a Meet-Me Number/Pattern, page 25-10](#)
- [Updating a Meet-Me Number/Pattern, page 25-12](#)
- [Deleting a Meet-Me Number/Pattern, page 25-13](#)

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

- Step 1** Choose **Service > Conference Bridge**.
- Step 2** Click **Conference Bridge Parameters** from the top, right corner of the pane.

- Step 3** Choose a device pool from the drop-down list box or choose **Default**.
The Cisco CallManagers in this device pool appear in the box to the left of the pane.
- Step 4** Highlight the Cisco CallManager on which you want to update the conference parameters. The maximum number of users configured for both an Ad-Hoc conference and a Meet-Me conference using Unicast appear in the fields to the right of the pane.
- Step 5** 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 Software Conference Device, page 25-2](#)
- [Adding a Hardware Conference Device, page 25-5](#)
- [Updating a Conference Device, page 25-7](#)
- [Deleting a Conference Device, page 25-8](#)
- [Adding a Meet-Me Number/Pattern, page 25-10](#)
- [Updating a Meet-Me Number/Pattern, page 25-12](#)
- [Deleting a Meet-Me Number/Pattern, page 25-13](#)

Adding a Meet-Me Number/Pattern

This section describes how to add a Meet-Me Number/Pattern.

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](#).

Procedure

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

Step 2 Click **Meet-Me Number/Pattern Configuration**, from the top, right corner of the pane.

The pane refreshes and the Meet-Me Number/Pattern Configuration pane appears.

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

Step 4 Click **Insert**.

The pane refreshes, and the new Meet-Me Number/Pattern appears in the list on the left side of the pane.

Related Topics

- [Adding a Software Conference Device, page 25-2](#)
- [Adding a Software Conference Device, page 25-2](#)
- [Adding a Hardware Conference Device, page 25-5](#)
- [Updating a Conference Device, page 25-7](#)
- [Deleting a Conference Device, page 25-8](#)
- [Updating Conference Bridge Parameters, page 25-9](#)
- [Updating a Meet-Me Number/Pattern, page 25-12](#)
- [Deleting a Meet-Me Number/Pattern, page 25-13](#)
- [Partition Configuration, page 12-1](#)

Updating a Meet-Me Number/Pattern


This section describes how to update a Meet-Me Number/Pattern.

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 Meet-Me Number/Pattern. See the “[Adding a Meet-Me Number/Pattern](#)” section on page 25-10.

Procedure

- Step 1** Choose **Service > Conference Bridge**.
- Step 2** Click **Meet-Me Number/Pattern Configuration** from the top, right corner of the pane.
- The pane refreshes, and the Meet-Me Number/Pattern Configuration pane appears.
- Step 3** Choose the Meet-Me Number/Pattern you want to update from the Meet-Me Numbers/Patterns list.
- The pane refreshes again, and the pattern you chose appears in the pattern field.
- Step 4** Update the appropriate settings as described in [Table 25-3](#).
-  **Note** You can change the number or pattern as needed (example, changing 5000 to 500X).
- Step 5** Click **Update**.
- The pane refreshes, and the pattern is updated with the new route partition information.
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Related Topics

- [Adding a Software Conference Device, page 25-2](#)
- [Adding a Software Conference Device, page 25-2](#)
- [Adding a Hardware Conference Device, page 25-5](#)
- [Updating a Conference Device, page 25-7](#)
- [Deleting a Conference Device, page 25-8](#)
- [Updating Conference Bridge Parameters, page 25-9](#)
- [Adding a Meet-Me Number/Pattern, page 25-10](#)
- [Deleting a Meet-Me Number/Pattern, page 25-13](#)
- [Partition Configuration, page 12-1](#)

Deleting a Meet-Me Number/Pattern

This section describes how to delete a Meet-Me Number/Pattern.

Before You Begin

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

- Configure the servers.
- Configure the Device pools.
- Configure the Meet-Me Number/Pattern.

Procedure

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- Step 1** Choose **Service > Conference Bridge**.
- Step 2** Click **Meet-Me Number/Pattern Configuration** from the top, right corner of the pane.
The pane refreshes and the Meet-Me Number/Pattern Configuration pane appears.
- Step 3** Choose the Meet-Me Number/Pattern you want to delete from the Meet-Me Numbers/Patterns list.
The pane refreshes again.

Step 4 Click **Delete**.

A message displays stating that you are about to permanently delete this pattern and that this action cannot be undone.

Step 5 Click **OK** to continue, or **Cancel** to cancel the deletion.

Related Topics

- [Adding a Software Conference Device, page 25-2](#)
- [Adding a Software Conference Device, page 25-2](#)
- [Adding a Hardware Conference Device, page 25-5](#)
- [Updating a Conference Device, page 25-7](#)
- [Deleting a Conference Device, page 25-8](#)
- [Updating Conference Bridge Parameters, page 25-9](#)
- [Adding a Meet-Me Number/Pattern, page 25-10](#)
- [Updating a Meet-Me Number/Pattern, page 25-12](#)

Meet-Me Number/Pattern Configuration Settings

[Table 25-3](#) describes the meet-me number/pattern configuration settings.

Table 25-3 Meet-Me Number/Pattern Configuration Settings

Field	Description
Directory Number or Pattern	Enter a Meet-Me Numbers/pattern or a range of numbers (such as 8000 to 8009).
Partition	Select a partition. See the “Partition Configuration” section on page 12-1 for more information.

Related Topics

- [Adding a Meet-Me Number/Pattern, page 25-10](#)
- [Updating a Meet-Me Number/Pattern, page 25-12](#)