



CHAPTER 11

Configuring Endpoints

The following sections describe how to configure endpoints:

- [Configuring Endpoints, page 11-1](#)
- [Configuring Media Profiles, page 11-5](#)
- [Configuring CTS Manager Resources, page 11-7](#)

Configuring Endpoints

The Cisco TelePresence Exchange System supports three types of endpoints:

- **Provisioned endpoints**—Endpoints for which all configuration details (such as name, phone number, number of screens, and organization) are known by the administrator and configured on the Cisco TelePresence Exchange System. If an organization has chosen hosted endpoint service, the endpoints are provisioned endpoints.
- **Unprovisioned endpoints**—Endpoints for which limited configuration details are known by the administrator. Through the administration console, you can add unprovisioned endpoints to participate in meetings hosted by the Cisco TelePresence Exchange System.
- **Remote endpoints**—Endpoints for which none of the configuration details are known by the administrator. Remote endpoints are endpoints that join the meeting from another service provider network. Through the administration console, you can add remote endpoints to participate in meetings hosted by the Cisco TelePresence Exchange System.

The following sections describe how to configure endpoints:

- [Adding Endpoints, page 11-1](#)
- [Editing Endpoints, page 11-2](#)
- [Migrating Endpoints, page 11-2](#)
- [Deleting Endpoints, page 11-3](#)
- [Endpoints Fields, page 11-4.](#)

Adding Endpoints

Before You Begin

Configure the organization that hosts the endpoint.

Procedure

To add a new endpoint, do the following procedure:

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- Step 1** From the navigation pane, choose **Endpoint Management > Endpoints**.
The Endpoints window is displayed.
- Step 2** From the toolbar, click **Add a New Endpoint**.
- Step 3** Enter the settings as indicated in [Table 11-1](#) to configure the endpoint.
- Step 4** To save your changes, click **Save**.
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Editing Endpoints

Procedure

To edit an endpoint, do the following procedure:

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- Step 1** From the navigation pane, choose **Endpoint Management > Endpoints**.
The Endpoints window is displayed.
- Step 2** In the item table, click the applicable entry.
Details for the endpoint are displayed.



Tip To see a list of all the past and future meetings to which the endpoint has been invited, click the Meetings tab.

- Step 3** From the toolbar, click **Edit This Endpoint**.
The Edit Endpoint window is displayed. Fields contain the currently-configured values.
- Step 4** Modify field entries as required.
[Table 11-1](#) describes the fields.
- Step 5** To save your changes, click **Save**.
-

Migrating Endpoints

The Migrate Endpoints window enables you to change the media profile configuration of one or more endpoints that belong to the same organization at the same time.

Procedure

To change the media profile configuration of one or more endpoints, do the following procedure.

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- Step 1** From the navigation pane, choose **Endpoint Management > Endpoints**.
The Endpoints window is displayed.

- Step 2** From the toolbar, click **Migrate Endpoints**.
- Step 3** Select a Migration Type:
- **Native Interop Migration**—All existing endpoints in the organization that are configured with a built-in (predefined) CTS media profile will be migrated to the (Native Interop) version of the media profile. For example, endpoints with the CTS-3200 media profile will be migrated to the CTS-3200 (Native Interop) media profile.
-  **Note** The Native Interop profiles require specific software versions on the CTS and bridge. See the “[Organization Bandwidth, Endpoint Capacity, Protocols and Bridge Selection](#)” appendix for more information.
- **Custom Migration**—Each endpoint in the organization that is configured with a particular media profile will be migrated to a new media profile that you specify.
- Step 4** From the Organization drop-down list, choose the organization to which the endpoints to be migrated belong.
- Step 5** If you selected **Custom Migration** in [Step 3](#), choose the media profile to be migrated, and the new media profile.
- Step 6** To see a list of the endpoints that will be migrated, click **Preview Endpoints**.
The endpoints to be migrated are displayed at the bottom of the window, along with the current and new media profile for each.
- Step 7** Click **Migrate Endpoints**. The number of endpoints that were migrated is displayed at the top of the window.

Deleting Endpoints

Procedure

To delete an endpoint, do the following procedure:



Note In order to delete an endpoint, you must first delete all associated meetings, including both past and future meetings. The procedure includes steps to locate and delete associated meetings.

- Step 1** From the navigation pane, choose **Endpoint Management > Endpoints**.
The Endpoint window is displayed.
- Step 2** To delete one or more endpoints that may have past or future meetings associated with them, skip to [Step 3](#). To delete multiple endpoints that do not have past or future meetings associated with them, do the following substeps:
- a. In the item table, check the check box next to the entry that you want to delete. You can delete multiple endpoints at one time by checking the check box next to each entry that you want to delete.
 - b. Click **Delete**.
 - c. In the Deletion Confirmation dialog box, click **Delete** to confirm the deletion.

- Step 3** To delete all meetings associated with an endpoint and then delete an endpoint, do the following substeps:
- a. In the Endpoints window, click the applicable **Endpoint** to go to the Endpoint page.
 - b. Click the **Meetings** tab. The list of meetings associated with the endpoint displays.
 - c. In the item table, check the check box next to each meeting (or check the check box at the top of the table to select all rows), then click **Delete**.
 - d. Click **Delete This Endpoint**.
 - e. In the Deletion Confirmation dialog box, click **Delete** to confirm the deletion.
- Step 4** Repeat [Step 3](#) for each additional endpoint that you plan to delete.
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Endpoints Fields

Table 11-1 *Endpoint Field Descriptions*

Field	Description
Name	Text string to identify this endpoint. See the “Common Field Properties” section on page 2-4.
Description	Text string to describe the endpoint. See the “Common Field Properties” section on page 2-4.
Number	E.164 number or the username part of the SIP URI (the characters that precede the @ symbol in the SIP URI). Note There is no need to note a country code in the number. Note For dial out calls made from the Cisco TelePresence Exchange System to provisioned endpoints that are registered with a Cisco VCS using a SIP URI, you must add a transform rule on the Cisco VCS. For more information, see the “Configuring Cisco VCS Settings” section in the “Configuring Cisco TelePresence MSE 8000 Series” chapter.
Active	Check box. If you check the Active check box, the endpoint becomes available immediately.
Organization	Drop-down list of available organizations. Choose the organization that hosts the endpoint.
Media Profile	Drop-down list of endpoint types. Choose the media type that corresponds to the endpoint.
Supports OBTP	Check box. Check this check box for provisioned endpoints in order to support One-Button-to-Push (OBTP) functionality.

Table 11-1 Endpoint Field Descriptions (continued)

Field	Description
CTS-MAN	<p>(Optional) Is displayed when you check the Support OBTP check box.</p> <p>Drop-down list of available Cisco TelePresence Managers. Choose the Cisco TelePresence Manager that connects with the Cisco Unified Communications Manager (Unified CM) that hosts this endpoint.</p> <p>Note For more details on the Unified CM settings set on the Cisco TelePresence Manager, see the “Configuring Cisco Unified Communications Manager” chapter.</p> <p>This field is required only for endpoints that support OBTP.</p>
Hosted Room	<p>(Optional) Is displayed when you check the Support OBTP check box.</p> <p>Drop-down list of hosted rooms available on the Cisco TelePresence Manager. Choose the room that corresponds to this endpoint.</p> <p>Note The Cisco TelePresence Manager automatically refreshes the hosted room listing every hour. To update the room listing in between the hourly updates, click Refresh Room List.</p>

Configuring Media Profiles

You must assign a media profile for each type of endpoint that connects to this Cisco TelePresence Exchange System.

The media profile contains information that allows different types of endpoints to connect successfully.

Built-in (pre-defined) media profiles exist for Cisco endpoints. Most non-Cisco endpoints can use the Generic H.323 or Generic SIP built-in media profiles. When you are adding a non-Cisco endpoint, Cisco recommends creating a specific media profile for that endpoint.

The following sections describe how to configure media profiles:

- [Adding Media Profiles, page 11-5](#)
- [Editing Media Profiles, page 11-6](#)
- [Deleting Media Profiles, page 11-6](#)
- [Media Profile Fields, page 11-7](#)

Adding Media Profiles

Procedure

To add a new media profile, do the following procedure:

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- Step 1** From the navigation pane, choose **Endpoint Management > Media Profiles**.
The Media Profiles window is displayed.
- Step 2** Click **Add a New Media Profile**.
- Step 3** Enter the settings as appropriate.

[Table 11-2](#) describes the settings for the media profile.

Step 4 To save your changes, click **Save**.

Editing Media Profiles



Note You cannot edit the built-in media profiles.

Procedure

To edit a media profile, do the following procedure:

- Step 1** From the navigation pane, choose **Endpoint Management > Media Profiles**.
The Media Profiles window is displayed.
- Step 2** In the item table, click the applicable entry.
The Media Profile Details window is displayed.
- Step 3** From the toolbar, click **Edit This Media Profile**.
The Edit Media Profile window is displayed. Fields contain the currently-configured values.
- Step 4** Modify field entries as required.
[Table 11-2](#) describes the fields.
- Step 5** To save your changes, click **Save**.
-

Deleting Media Profiles



Note You cannot delete the built-in media profiles.

Procedure

To delete a media profile, do the following procedure:

- Step 1** From the navigation pane, choose **Endpoint Management > Media Profiles**.
The Media Profiles window is displayed.
- Step 2** In the item table, check the check box next to the entry that you want to delete. You can delete multiple media profiles at one time by checking the check box next to each entry that you want to delete.
- Step 3** Click **Delete**.
- Step 4** In the Deletion Confirmation dialog box, click **Delete** to confirm the deletion.

**Tip**

If you prefer to view the details of a media profile prior to deleting it, in the Media Profiles window, you can click the applicable **Media Profile** to go to the Media Profile page. After verifying that you have chosen the correct media profile to delete, click **Delete This Media Profile**, and then in the Deletion Confirmation dialog box, click **Delete** to confirm the deletion.

Media Profile Fields

Table 11-2 *Media Profile Field Descriptions*

Field	Description
Name	Text string to identify this media profile. See the “ Common Field Properties ” section on page 2-4.
Description	Text string to describe the media profile. See the “ Common Field Properties ” section on page 2-4.
Number of Screens	Numeric value. Enter the number of screens (segments) that this endpoint type provides.
Protocols	Check boxes. Choose the media protocol(s) supported by this endpoint type. The choices include ISDN, H323, SIP, TIP and MUX.
Built In	(Read-Only Field) Boolean. The system automatically assigns the read-only field value after the configuration of the media profile is complete, and displays it on the Media Profiles Summary window. Field is set to TRUE for each default media profile and is set to FALSE for any media profiles that you add.
Manufacturer	(Optional) Text string. Enter the manufacturer. This field is for information only.
Supports 30 FPS Presentation	Check box. Check the box if the endpoint type has a presentation codec that supports 30 frames per second for graphics collaboration.

Configuring CTS Manager Resources

The Cisco TelePresence Exchange System communicates with the Cisco TelePresence Manager to obtain information about the telepresence endpoints that are associated with hosted subscribers.

You need to configure information about the Cisco TelePresence Manager that is associated with this Cisco TelePresence Exchange System.

The following sections describe how to configure CTS Manager resources:

- [Adding CTS Manager Resources, page 11-8](#)
- [Editing CTS Manager Resources, page 11-8](#)
- [Deleting CTS Manager Resources, page 11-9](#)
- [CTS Manager Fields, page 11-9](#)

Adding CTS Manager Resources

Before You Begin

Install and configure the Cisco TelePresence Manager. For additional information, see the “[Configuring Cisco TelePresence Manager](#)” chapter.

You need a valid login ID and password for the Cisco TelePresence Manager to configure it on the Cisco TelePresence Exchange System.

Procedure

To add a new Cisco TelePresence Manager resource, do the following procedure:

-
- Step 1** From the navigation pane, choose **Endpoint Management > CTS-MAN Resources**.
The CTS-MAN Resources window is displayed.
 - Step 2** From the toolbar, click **Add a New CTS-MAN Resource**.
 - Step 3** Enter settings as appropriate.
[Table 11-3](#) summarizes the field descriptions for the Cisco TelePresence Manager resource.
 - Step 4** Click **Test Connection** to verify the connection between the Cisco TelePresence Exchange System and Cisco TelePresence Manager.
 - Step 5** To save your changes, click **Save**.
-

Editing CTS Manager Resources

Procedure

To edit a Cisco TelePresence Manager resource, do the following procedure:

-
- Step 1** From the navigation pane, choose **Endpoint Management > CTS-MAN Resources**.
The CTS-MAN Resources window is displayed.
 - Step 2** In the summary list, click the applicable entry.
Details for the resource display.
 - Step 3** From the toolbar, click **Edit This CTS-MAN Resource**.
The Edit CTS-MAN Resource window is displayed. Fields contain the currently-configured values.
 - Step 4** Modify field entries as necessary.
[Table 11-3](#) summarizes the field descriptions.
 - Step 5** To save your changes, click **Save**.
-

Deleting CTS Manager Resources

Before You Begin

Note the following before deleting the Cisco TelePresence Manager resource.

When you delete a Cisco TelePresence Manager resource, all endpoints that are associated with the deleted resource and that previously were configured to support OBTP, lose the ability to support OBTP.

A review of the endpoint configuration window for affected endpoints (**Endpoint Management > Endpoints > Endpoint**) shows that the check box **Support OBTP** is no longer checked. However, all other configuration parameters for those endpoints remain intact on the Cisco TelePresence Exchange System.

After you delete the Cisco TelePresence Manager resource, you can edit the configuration for those affected endpoints to again allow support for OBTP. After this configuration is done, the system locates and assigns a new Cisco TelePresence Manager.

Procedure

To delete a Cisco TelePresence Manager resource, do the following procedure:

-
- Step 1** From the navigation pane, choose **Endpoint Management > CTS-MAN Resources**.
The CTS-MAN Resources window is displayed.
- Step 2** In the item table, check the check box next to the entry that you want to delete. You can delete multiple Cisco TelePresence Manager resources at one time by checking the check box next to each entry that you want to delete.
- Step 3** Click **Delete**.
- Step 4** In the Deletion Confirmation dialog box, click **Delete** to confirm the deletion.



Tip If you prefer to view the details of a Cisco TelePresence Manager resource prior to deleting it, in the CTS-MAN Resources window, you can click the applicable **CTS-MAN Resource** to go to the CTS-MAN Resource page. After verifying that you have chosen the correct Cisco TelePresence Manager resource to delete, click **Delete This CTS-MAN Resource**, and then in the Deletion Confirmation dialog box, click **Delete** to confirm the deletion.

CTS Manager Fields

Table 11-3 CTS Manager Field Descriptions

Field	Description
Name	Text string identifying the Cisco TelePresence Manager. See the “ Common Field Properties ” section on page 2-4.
Description	Text string describing the Cisco TelePresence Manager. See the “ Common Field Properties ” section on page 2-4.

Table 11-3 CTS Manager Field Descriptions (continued)

Field	Description
Maintenance Mode	Check box. Check the check box to set the Cisco TelePresence Manager in a maintenance state. The CTS-MAN must be in maintenance mode in order for you to edit the Host, Username, or Password fields.
Host	The IP address of the Cisco TelePresence Manager. See the “Common Field Properties” section on page 2-4.
Username	Valid user login name for this Cisco TelePresence Manager.
Password	Login password for the above user name.