



CHAPTER 2

Configuring Servers for Cisco Unified Communications for RTX

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How to Configure RTX Server

When you configure your servers for Cisco Unified Communications for RTX (Cisco UC for RTX), you must ensure that the user IDs, devices, and directory numbers match in the following servers:

- RTX server
- Cisco Unified Communications Manager server

You must also configure your users so that each user has a phone number that can be correctly dialed within the context of your Cisco Unified Communications Manager configuration.

Dial Plan Options for Cisco UC for RTX

The following table summarizes the dial plan options available when you deploy Cisco UC for RTX:

Option	Phone Numbers in RTX	Phone Numbers in Cisco Unified Communications Manager	Comments
1	+E.164 number format	+E.164 number format	Requires Cisco Unified Communications Manager Release 7.0 or later.
2	+E.164 number format	Private numbering plan	Requires you to do the following: <ul style="list-style-type: none"> Configure application dialing rules and directory lookup dialing rules on Cisco Unified Communications Manager.
3	Private numbering plan	Private numbering plan	Requires you to do the following: <ul style="list-style-type: none"> Configure application dialing rules and directory lookup dialing rules on Cisco Unified Communications Manager.

Dialing Rules Required for Cisco UC for RTX

If your Cisco Unified Communications Manager uses a private numbering plan, you must configure the following types of dialing rules in Cisco Unified Communications Manager:

- [Application Dialing Rules, page 2-2](#)
- [Directory Lookup Dialing Rules, page 2-3](#)

For detailed conceptual and task-based information on dialing rules, see the Cisco Unified Communications Manager Administration online help or the *Cisco Unified Communications Manager Administration Guide* and the *Cisco Unified Communications Manager System Guide*:

http://www.cisco.com/en/US/products/sw/voicesw/ps556/prod_maintenance_guides_list.html



Note

If your Cisco Unified Communications Manager uses dialing rules, you must ensure that Cisco UC for RTX and Cisco Unified Client Services Framework can access these dialing rules.

Related Topics

- [How to Make Cisco Unified Communications Manager Dialing Rules Accessible, page 2-11](#)

Application Dialing Rules

Application dialing rules modify the dial string on outbound calls to conform to the route plan on the Cisco Unified Communications Manager. For Cisco UC for RTX, application dialing rules map numbers in the RTX contact information to a number format that can be correctly dialed within the context of your Cisco Unified Communications Manager configuration.

Example Application Dialing Rule for Contacts with Chinese Numbers

The following table illustrates the application dialing rule that you need to use to resolve +E.164-format numbers to a Cisco Unified Communications Manager private numbering plan that uses six-digit numbers beginning with 9.

	1	2	3	4	5	6	7	8	9	10	11	12	13
Number for contact in RTX in +E.164 format	+	8	6	2	1	5	5	5	0	1	0	0	0
	Number begins with +8621555												
	Number of digits is 13												
Operations performed by application dialing rule	+	8	6	2	1	5	5	5	0	1	0	0	0
	Number of digits to remove is 8												
	Prefix with 9												
Dialed number	901000												

Example of Application Dialing Rule for Contacts with Spanish Numbers

The following table illustrates the application dialing rule that you need to use to resolve +E.164-format numbers to a Cisco Unified Communications Manager private numbering plan that uses nine-digit numbers beginning with 9.

	1	2	3	4	5	6	7	8	9	10	11	12
Number for contact in RTX in +E.164 format	+	3	4	9	8	5	5	5	0	1	9	9
	Number begins with +34											
	Number of digits is 12											
Operations performed by application dialing rule	+	3	4	9	8	5	5	5	0	1	9	9
	Number of digits to remove is 3											
	No prefix required											
Dialed number	985550199											

Directory Lookup Dialing Rules

Directory lookup dialing rules transform caller identification numbers into numbers that can be looked up in the directory. For example, if the Cisco Unified Communications Manager reports a call from 855501000, that number must be transformed into the +E.164 format of +862155501000, as stored in RTX contact information to identify the caller as a contact. If numbers in RTX contact information are not in +E.164 format, but the enterprise routable number is stored in RTX contact information, then the directory lookup dialing rules need to map incoming numbers to the enterprise routable numbers.

For Cisco UC for RTX, directory lookup dialing rules map private numbering plan numbers to the number format used in RTX contact information. That is, you must define directory lookup dialing rules to transform private numbering plan numbers to +E.164-format numbers.

Example of Directory Lookup Dialing Rule for Contacts with Chinese Numbers

The following table illustrates the directory lookup dialing rule that you need to use to resolve a number from a Cisco Unified Communications Manager private numbering plan that uses six-digit numbers beginning with 81, to an +E.164-format number.

	1	2	3	4	5	6	7	8	9	10	11	12	13	
Private numbering plan number from Cisco Unified Communications Manager								8	1	0	1	9	9	
								Number begins with 81						
	Number of digits is 6													
Operations performed by directory lookup dialing rule								8	1	0	1	9	9	
								Digits to remove is 2						
	Prefix with +86215555													
Resulting +E.164-format number	+862155550199													

Example of Directory Lookup Dialing Rule for Contacts with Spanish Numbers

The following table illustrates the directory lookup dialing rule that you need to use to resolve a number from a Cisco Unified Communications Manager private numbering plan that uses nine-digit numbers beginning with 98, to a +E.164-format number.

	1	2	3	4	5	6	7	8	9	10	11	12
Private numbering plan number from Cisco Unified Communications Manager				9	8	5	5	5	0	1	0	0
				Number begins with 98								
	Number of digits is 9											
Operations performed by directory lookup dialing rule				9	8	5	5	5	0	1	0	0
	Prefix with +34											
	Digits to remove is 0											
Resulting +E.164-format number	+34985550100											

How to Configure Cisco Unified Communications Manager Server

Before you configure the Cisco Unified Communications Manager server, read the following topics:

- [Prerequisites for Configuring Cisco Unified Communications Manager, page 2-5](#)

To configure the Cisco Unified Communications Manager server for Cisco UC for RTX, you must perform the following tasks:

- [Enabling LDAP Synchronization, page 2-5](#)
- [Enabling LDAP Authentication, page 2-6](#)
- [Creating Client Services Framework Devices and Directory Numbers for Users, page 2-7](#)
- [Adding Users to User Groups and Associating Controlled Devices, page 2-8](#)
- [How to Configure Cisco Unified IP Phones for Video, page 2-9](#)
- [Configuring Cisco Unified Communications Manager for Ad-Hoc Video Conferencing, page 2-10](#)
- [How to Make Cisco Unified Communications Manager Dialing Rules Accessible, page 2-11](#)
- [Configuring Failover to Cisco Unified Survivable Remote Site Telephony \(SRST\), page 2-14](#)

To configure call security features for Cisco Unified Communications Manager, see *Cisco Unified Communications Manager Security Guide* at

http://www.cisco.com/en/US/products/sw/voicesw/ps556/prod_maintenance_guides_list.html

Prerequisites for Configuring Cisco Unified Communications Manager

You must have a properly working Cisco Unified Communications configuration with the following servers:

- Cisco Unified Communications Manager server
For information about Cisco Unified Communications Manager servers, see the documentation at the following URL:
http://www.cisco.com/en/US/products/sw/voicesw/ps556/tsd_products_support_general_information.html
- Cisco Trivial File Transfer Protocol (TFTP) server
For information about Cisco TFTP servers, see the *Cisco Unified Communications Manager System Guide*.
- Cisco CTIManager server
For information about Cisco CTIManager servers, see the *Cisco Unified Communications Manager System Guide*.
- Cisco Unified Communications Manager IP Phone (CCMCIP) server

Enabling LDAP Synchronization

This procedure allows Cisco Unified Communications Manager to integrate with Active Directory and build the Cisco Unified Communications Manager user database from the same data source where Windows users are defined.

If you synchronize the Cisco Unified Communications Manager with Active Directory, Cisco UC for RTX user IDs are the same as the Windows user IDs. It is recommended that Cisco UC for RTX user IDs are the same as the RTX user IDs on the RTX server.

If you synchronize the Cisco Unified Communications Manager with Active Directory, you must also enable LDAP authentication. For more information about how to enable LDAP authentication, see the [“Enabling LDAP Authentication” section on page 2-6](#).

Procedure

-
- Step 1** Select **System > LDAP > LDAP System** in Cisco Unified Communications Manager Administration.
- Step 2** Select **Enable Synchronizing from LDAP Server**.
- Step 3** Select the LDAP server type that you want to use from the **LDAP Server Type** drop-down list.
- Step 4** Select the LDAP attribute that you want to use as the User ID in Cisco Unified Communications Manager from the **LDAP Attribute for User ID** drop-down list.
- Step 5** Select **Save**.
- Step 6** Select **System > LDAP > LDAP Directory**.
- Step 7** Select **Add New**.
- Step 8** Enter data in the LDAP Directory window as required.
- Step 9** Select **Save**.
- Step 10** Select **Perform Full Sync Now**.

For information about how to synchronize with LDAP, see the LDAP Directory Integration information in the Cisco Unified Communications System Solution Reference Network Design (SRND) guides at the following URL:

http://www.cisco.com/en/US/products/sw/voicesw/ps556/products_implementation_design_guides_list.html

What to Do Next

- [Enabling LDAP Authentication, page 2-6](#)

Related Topics

- [Specifying Account Credential Synchronization Registry Settings, page 3-6](#)

Enabling LDAP Authentication

If you enable LDAP authentication in Cisco Unified Communications Manager, the Active Directory provides authentication services to Cisco Unified Communications Manager by proxy. For example, Cisco Unified Communications Manager can forward authentication requests from Cisco UC for RTX to Active Directory, and Active Directory responds to the request.

Procedure

-
- Step 1** Select **System > LDAP > LDAP Authentication** in Cisco Unified Communications Manager Administration.
- Step 2** Select **Use LDAP Authentication for End Users**.
- Step 3** Select **Save**.
-

What to Do Next

- [Creating Client Services Framework Devices and Directory Numbers for Users, page 2-7](#)

Creating Client Services Framework Devices and Directory Numbers for Users

The Client Services Framework device is required for users who want to use the phone on the computer.

Procedure

- Step 1** Select **Device > Phone** in Cisco Unified Communications Manager Administration.
- Step 2** Select **Add New**.
- Step 3** Select **Cisco Unified Client Services Framework** from the Phone Type list box, then select **Next**.
- Step 4** Enter information for the phone in the Phone Configuration window, as follows:

Field	Description
Device Name	Enter a name to identify the Cisco Unified Client Services Framework device. The name can contain 1 to 15 characters, including alphanumeric characters, periods, hyphens, and underscores. The device name does not need to relate to the user ID of the user.
Device Pool	Select the device pool to which you want the phone assigned. The device pool defines sets of common characteristics for devices, such as region, date/time group, softkey template, and Multilevel Precedence and Preemption (MLPP) information.
Phone Button Template	Select the appropriate phone button template. The phone button template determines the configuration of buttons on a phone and identifies which feature (line, speed dial, and so on) is used for each button.
Allow Control of Device from CTI	Uncheck this option. Client Services Framework does not support Computer Telephony Integration (CTI) servitude.
Device Security Profile	Select the security profile that you require for the phone.
SIP Profile	Select the default SIP profile or a specific profile that was previously created. SIP profiles provide specific SIP information for the phone such as registration and keepalive timers, media ports, and do not disturb control.

- Step 5** Enter any other required information, then select **Save**.
- Step 6** Select the **Add a new DN** link in the Association Information section on the Phone Configuration window.
- Step 7** Enter information for the directory number on the Directory Number Configuration window.
- Step 8** Select **Save**.
- Step 9** Select **Reset** on the Phone Configuration window to reset the phone.
- Step 10** Select **Associate End Users** on the Directory Number Configuration window.
- Step 11** Search for the user in the Find and List Users window, select the user, then select **Add Selected**.
- Step 12** Select **Save**.
- Step 13** Select **User Management > End User** in Cisco Unified Communications Manager Administration.
- Step 14** Search for the user in the Find and List Users window, then select the user.

- Step 15** Verify that the device is listed for the user in the Controlled Devices list box in the Device Associations group.
-

What to Do Next

- [Adding Users to User Groups and Associating Controlled Devices, page 2-8](#)

Adding Users to User Groups and Associating Controlled Devices

Before You Begin

To enable your Cisco Unified Communications system to use Cisco UC for RTX to control the desk phone of a user, and to provide phone functionality on the computer of the user, you must do each of the following:

- Select the **Allow Control of Device from CTI** option when you create the desk phone device for the user in Cisco Unified Communications Manager.
- Ensure that the user is added to the appropriate user groups, as described in the following procedure.
- Select the Cisco Unified Client Services Framework device and any desk-phone devices as controlled devices for the user, as described in the following procedure.

Procedure

- Step 1** Select **User Management > End User** in Cisco Unified Communications Manager Administration.
- Step 2** Select the user that you want to add.
- Step 3** Select **Add to User Group** in the Permissions Information group in the End User Configuration window.
- Step 4** Search for “Standard CTI” in the Find and List User Groups window.
- Step 5** Select the **Standard CTI Enabled** user group.
- Step 6** If the phone of the user is a Cisco Unified IP Phone 9900 or 8900 series model, also select the **Standard CTI Allow Control of Phones supporting Connected Xfer and conf** group.
- Step 7** If the phone of the user is a Cisco Unified IP Phone 6900 series model, also select the **Standard CTI Allow Control of Phones supporting Rollover Mode** group.
- Step 8** Select **Add Selected**.
- Step 9** Select **Device Association** in the Device Information group.
- Step 10** Search for the devices that you want to associate with the user in the User Device Association window.
- Step 11** Select the devices you require, then select **Save Selected/Changes**.
For example, you might select a device whose type is Cisco Unified Client Services Framework, and a desk-phone device.
- Step 12** Select **Back to User** from the Related Links drop-down list, then select **Go**.
- Step 13** Select **Save** in the End User Configuration window.
-

How to Configure Cisco Unified IP Phones for Video

The Client Services Framework device type is always video-enabled, so you do not need to configure devices of this type. However, you must explicitly configure Cisco Unified IP Phones to enable video.

If you want Cisco UC for RTX to be able to send and receive video, you must also select the following devices as controlled devices for the user:

- The Cisco Unified Client Services Framework device
- Any desk-phone devices

**Note**

Only Skinny Client Control Protocol (SCCP) Cisco Unified IP Phones support video with Client Services Framework.

To configure Cisco Unified IP Phones for video, you must perform the following tasks:

- [Connecting a Cisco Unified IP Phone to the Network and Your Computer, page 2-9](#)
- [Enabling Video for a Cisco Unified IP Phone, page 2-9](#)
- [Adding Users to User Groups and Associating Controlled Devices, page 2-8](#)
- [Securing Cisco Unified IP Phones, page 2-10](#)

For more information about how to configure Cisco UC for RTX for video, see the release notes for the product at the following URL:

http://www.cisco.com/en/US/docs/voice_ip_comm/cuctrx/8_5/english/release/ReleaseNotes8_5.html

For more detailed information about IP video telephony in Cisco Unified Communications Manager, please refer to the appropriate version of the *Cisco Unified Communications System Release SRND* at the following URL:

http://www.cisco.com/en/US/products/sw/voicesw/ps556/products_implementation_design_guides_list.html

Connecting a Cisco Unified IP Phone to the Network and Your Computer

Procedure

- Step 1** Connect the SW port (or the Network port) on the Cisco Unified IP Phone to the network.
- Step 2** Connect the PC port (or the Computer port) on the Cisco Unified IP Phone to the controlling PC with an Ethernet cable.

What to Do Next

- [Enabling Video for a Cisco Unified IP Phone, page 2-9](#)

Enabling Video for a Cisco Unified IP Phone

Procedure

- Step 1** Select **Device > Phone** in Cisco Unified Communications Manager Administration.

- Step 2** Find the device that you want to configure.
- Step 3** Click on the Device Name.
- Step 4** Scroll to the **Product Specific Configuration Layout** section.
- Step 5** Select **Enabled** from the **PC Port** drop-down list.
- Step 6** Select **Enabled** from the **Video Capabilities** drop-down list.
- Step 7** Select **Enabled** from the **Cisco Discovery Protocol (CDP): PC Port** drop-down list.
- Step 8** Select **Save**.

When video is enabled on the phone, a video icon is displayed in the lower-right corner of the LCD screen. Some models of Cisco Unified IP Phone do not display video icons when video is enabled.

What to Do Next

- [Adding Users to User Groups and Associating Controlled Devices, page 2-8](#)

Related Topics

- [Securing Cisco Unified IP Phones, page 2-10](#)

Securing Cisco Unified IP Phones

For information about how to secure your Cisco Unified IP Phone device, see the *Cisco Unified Communications Manager Security Guide* at the following URL:

http://www.cisco.com/en/US/products/sw/voicesw/ps556/prod_maintenance_guides_list.html

Configuring Cisco Unified Communications Manager for Ad-Hoc Video Conferencing

To enable ad-hoc video conferencing on your Cisco Unified Communications system, you must do the following:

- Configure a conference bridge. The conference bridges supported are:
 - Cisco Unified MeetingPlace
 - Cisco Unified Video Conferencing (CUVC)
 - Cisco IP Video Conferencing (IPVC) 35xx series MCU

For detailed task-based information about how to configure a conference bridge, see the *Configuration Guide for Cisco Unified MeetingPlace*:

http://www.cisco.com/en/US/products/sw/ps5664/ps5669/products_installation_and_configuration_guides_list.html

- Configure a media resource group and a media resource group list. For information about how to configure a media resource group and a media resource group list, see the Cisco Unified Communications Manager Administration online help or the *Cisco Unified Communications Manager Administration Guide*:

http://www.cisco.com/en/US/products/sw/voicesw/ps556/prod_maintenance_guides_list.html

- Configure the devices of your users to use the media resource group list that contains the conference bridge. For information about how to configure the devices of your users, see the Cisco Unified Communications Manager Administration online help or the *Cisco Unified Communications Manager Administration Guide*:

http://www.cisco.com/en/US/products/sw/voicesw/ps556/prod_maintenance_guides_list.html

(Optional) Specifying a Minimum Number of Video-Capable Participants for Ad-Hoc Conferences

If you enable ad-hoc video conferencing on your Cisco Unified Communications system, you can also specify a minimum number of video-capable participants for ad-hoc conferences. When an ad-hoc conference starts, the conference uses an audio bridge or a video bridge, depending on the value in this setting.

For example, if you set this setting to 2, a minimum of two participants in the conference must have video-enabled devices. If at least two participants do not have video-enabled devices, then the conference becomes an audio-only conference. The participants cannot change the conference to video after this happens.

Procedure

-
- Step 1** Select **System > Service Parameters** in Cisco Unified Communications Manager Administration.
 - Step 2** Select your Cisco Unified Communications Manager server from the Server drop-down list.
 - Step 3** Select the appropriate Cisco Unified Communications Manager service from the Service drop-down list.
 - Step 4** Enter the minimum number of video-capable participants in the **Minimum Video Capable Participants To Allocate Video Conference** field in the Clusterwide Parameters (Feature - Conference) section.
 - Step 5** Select **Save**.
-

How to Make Cisco Unified Communications Manager Dialing Rules Accessible

If your Cisco Unified Communications Manager uses dialing rules, you must ensure that Cisco UC for RTX and Client Services Framework can access these dialing rules.

You must run a COP file to generate copies of the dialing rules in XML format, which Cisco UC for RTX and Client Services Framework can access. You can get the COP file from the Administration Toolkit. To access the Administration Toolkit, navigate to Cisco UC for RTX from the Download Software page at the following URL:

<http://tools.cisco.com/support/downloads/go/Model.x?mdfid=283454590>



Note

- Every time you update the dialing rules in your Cisco Unified Communications Manager, you must run the COP file again, to ensure that Cisco UC for RTX and Client Services Framework can access the updated dialing rules.
 - You must run the COP file on each Cisco Unified Communications Manager that runs a TFTP server.
-

To make the Cisco Unified Communications Manager dialing rules accessible by Cisco UC for RTX and Client Services Framework, you must perform the following tasks:

- [Verifying That Dialing Rules Are Configured on Cisco Unified Communications Manager, page 2-12](#)
- [Generating Copies of the Dialing Rules, page 2-12](#)
- [Verifying That Copies of the Dialing Rules Were Generated, page 2-13](#)
- [Restarting the TFTP Service, page 2-13](#)
- [Ensuring That Cisco UC for RTX Clients Are Restarted, page 2-13](#)

Verifying That Dialing Rules Are Configured on Cisco Unified Communications Manager

Procedure

-
- Step 1** Select **Call Routing > Dial Rules > Application Dial Rules** in Cisco Unified Communications Manager Administration.
- Step 2** Search for the dialing rules in the Find and List Application Dial Rules window.
- Step 3** Verify that application dialing rules are found.
- Step 4** Select **Call Routing > Dial Rules > Directory Lookup Dial Rules** in Cisco Unified Operating System Administration.
- Step 5** Search for the dialing rules in the Directory Lookup Dial Rule Find and List window.
- Step 6** Verify that directory lookup rules are found.

If there are no application dialing rules or directory lookup dialing rules on your Cisco Unified Communications Manager, you do not need to make dialing rules accessible by Cisco UC for RTX.



Tip

To ensure that the dialing rules are working properly, try making a call from Cisco UC for RTX.

What to Do Next

- [Generating Copies of the Dialing Rules, page 2-12](#)

Generating Copies of the Dialing Rules

You must run a COP file to generate copies of the dialing rules in XML format. You can get the COP file, called `cmterm-CUPC-dialrulewizard.cop`, from the Administration Toolkit. To access the Administration Toolkit, navigate to Cisco UC for RTX from the Download Software page at the following URL:

<http://tools.cisco.com/support/downloads/go/Model.x?mdfid=283454590>

Procedure

-
- Step 1** Select **Software Upgrades > Install/Upgrade** in Cisco Unified Operating System Administration.
- Step 2** Specify the location of the COP file in the Software Installation/Upgrade window.

- Step 3** Select **Next**.
- Step 4** Select the appropriate file from the **Available Software** list box.
- Step 5** Select **Next**.
- Step 6** Select **Install**.
-

What to Do Next

- [Verifying That Copies of the Dialing Rules Were Generated, page 2-13](#)

Verifying That Copies of the Dialing Rules Were Generated

Procedure

- Step 1** Select **Software Upgrades > TFTP File Management** in Cisco Unified Operating System Administration.
- Step 2** Search for a directory that begins with CUPC in the TFTP File Management window.
- Step 3** Verify that the following files are found:
- AppDialRules.xml
 - DirLookupDialRules.xml
-

What to Do Next

- [Restarting the TFTP Service, page 2-13](#)

Restarting the TFTP Service

After you verify the generation of the copies of the dialing rules, restart the TFTP service. You must restart the TFTP service on every server on which you ran the COP file.

For information about how to restart TFTP services, see *Cisco Unified Serviceability Administration Guide* at the following URL:

http://www.cisco.com/en/US/products/sw/voicesw/ps556/prod_maintenance_guides_list.html

What to Do Next

- [Ensuring That Cisco UC for RTX Clients Are Restarted, page 2-13](#)

Ensuring That Cisco UC for RTX Clients Are Restarted

Procedure

- Step 1** Select **File > Exit** in RTX.



Note It can take approximately 30 seconds for the cucsf.exe process to stop. Use the Task Manager to check if the process has stopped before proceeding to Step 2.

Step 2 Start RTX.

Cisco UC for RTX and the cucsf.exe process are automatically restarted.

Configuring Failover to Cisco Unified Survivable Remote Site Telephony (SRST)

Cisco UC for RTX supports failover to Cisco Unified Survivable Remote Site Telephony (SRST) to keep calls connected if Cisco Unified Communications Manager becomes unavailable.

Procedure

Step 1 Select **System > SRST** in Cisco Unified Communications Manager Administration.

Step 2 Select **Add New** and specify the SRST reference information.

Step 3 Select **System > Device Pool**.

Step 4 Select the device pool for the target office.

Step 5 In the Roaming Sensitivity Settings section, select the SRST reference that you created in Step 2 from the SRST Reference drop-down list.

Step 6 Select **Save**.



Note To configure an SRST router that connects directly to the target Branch office LAN and is the default gateway for the branch office LAN, you can omit steps 1-2, and in the target office Device Pool Configuration > Roaming Sensitivity Settings section, select **Use Default Gateway** from the SRST Reference drop-down list.

How to Configure Cisco Unified MeetingPlace

Before You Begin

You must have a working Cisco Unified MeetingPlace Release 8.0 server configured in one of the following modes:

- Software Mixing Mode (SMS Mode). This mode supports ad-hoc and scheduled video conferences in all video resolutions, that is, QCIF, CIF, VGA, and 720p HD.
- Hardware Mixing Mode (HMS Mode) using an external hardware mixer. This mode supports scheduled and reservationless meetings only.

For more information about how to configure video conferences on Cisco Unified MeetingPlace Release 8.0, see the documentation at the following URL:

http://www.cisco.com/en/US/products/sw/ps5664/ps5669/tsd_products_support_series_home.html

To configure Cisco Unified MeetingPlace, you must perform the following tasks:

- [Configuring a Cisco Unified MeetingPlace Application Server for Ad-Hoc Video Conferencing, page 2-15](#)
- [Configuring a Cisco Unified MeetingPlace Application Server for Scheduled Video Conferencing, page 2-16](#)
- [Adding Custom Cisco Unified MeetingPlace Template Files to a Cisco Unified MeetingPlace 7.x Web Server, page 2-16](#)

Meeting Types and Authentication

Reservationless Meetings

If reservationless meetings are enabled for users, users can start a meeting from Cisco UC for RTX. For these meetings, Cisco Unified MeetingPlace is the front-end server. Cisco UC for RTX schedules the meeting through Cisco Unified MeetingPlace.

Users can have only one reservationless meeting at a time. If the reservationless meeting of the user is in use at the time the user starts the meeting from Cisco UC for RTX, their existing reservationless meeting is used.

To avoid this behavior, users must either end their reservationless meeting before they start a meeting, or ask their administrator to disable reservationless meetings in their Cisco Unified MeetingPlace user profile.

Meeting passwords are ignored for reservationless meetings.

Authentication

Cisco UC for RTX includes support for all types of Cisco Unified MeetingPlace authentication, except for Trust External Authentication.

Reserving Audio and Video Resources

When a user starts a meeting, Cisco Unified MeetingPlace reserves audio resources, but does not reserve any video resources.

Configuring a Cisco Unified MeetingPlace Application Server for Ad-Hoc Video Conferencing

Procedure

-
- Step 1** Select **System Configuration > Call Configuration** in Cisco Unified MeetingPlace Administration Center.
 - Step 2** Select **Ad-Hoc Cisco Unified Communications Manager Configuration**.
 - Step 3** Enter the IP address and port for your Cisco Unified Communications Manager in the **Primary TFTP server** fields.
 - Step 4** Select **Save**.

Step 5 Select **System Configuration > Media Resource Configuration**.

Step 6 Select **Yes** in the Enable ad-hoc video drop-down list.

Step 7 Select one of the H.264 options from the Ad-hoc video mode drop-down list.

For mobile video, select **H.264 AVC (Level 1.1)**. For video on computers, select **H.264 AVC (Level 1.3)**, **H.264 AVC (Level 3.0)**, or **H.264 AVC (Level 3.1)**.



Note The setting that you select here is used for all video endpoints joining all ad-hoc conferences. If a video endpoint does not support the specified profile, this endpoint joins the conference in audio-only.

Step 8 Select **Save**.

Related Topics

- [Configuring Failover to Cisco Unified Survivable Remote Site Telephony \(SRST\), page 2-14](#)

Configuring a Cisco Unified MeetingPlace Application Server for Scheduled Video Conferencing

Procedure

Step 1 Select **User Configuration > User Groups** in Cisco Unified MeetingPlace Administration Center.

Step 2 Select **Edit** next to the name of the User Group that you want to configure for scheduled video conferencing.

Step 3 In the Video Preferences section, select one of the following options from the Available video types drop-down list:

- Mobile
- Compatibility
- High Quality
- HD

This setting determines the type of video for scheduled video conferencing.

Step 4 Select **Save**.

Adding Custom Cisco Unified MeetingPlace Template Files to a Cisco Unified MeetingPlace 7.x Web Server

If your Cisco Unified Communications system uses Cisco Unified MeetingPlace Release 7.x, you must install the following files on the Cisco Unified MeetingPlace Web server:

- CSFGetProfileSuccess.tpl
- CSFScheduleSuccess.tpl

You can get the above files from the Administration Toolkit. To access the Administration Toolkit, navigate to Cisco UC for RTX from the Download Software page at the following URL:

<http://tools.cisco.com/support/downloads/go/Model.x?mdfid=283454590>

You can copy these files to the correct location on the Cisco Unified MeetingPlace Web server. You do not need to restart the server. The default location for these files is as follows:

<drive>\Program Files\Cisco Systems\MPWeb\Template

How to Configure Cisco Unity Connection Server

Cisco Unity Connection allows Cisco UC for RTX users to access voice messages from Cisco UC for RTX.

1. Install and configure a supported release of Cisco Unity Connection.
2. Integrate Cisco Unified Communications Manager and Cisco Unity Connection. Both servers must be installed and running to configure voicemail ports.

For information on configuring Cisco Unified Communications Manager and the Cisco Unity Connection system to work together, see Cisco Unity Connection configuration guides at http://www.cisco.com/en/US/products/ps6509/products_installation_and_configuration_guides_list.html

