



Installing Cisco Unified MeetingPlace H.323/SIP IP Gateway Software Release 5.2.1

To install Release 5.2.1, perform the following procedures in this order:

- [How to Complete Prerequisites for Cisco Unified MeetingPlace H.323/SIP IP Gateway Software Release 5.2.1 Installation or Upgrade, page 2-1](#)
- [How to Configure Cisco Unified CallManager for Use With Cisco Unified MeetingPlace H.323/SIP IP Gateway Software Release 5.2.1, page 2-2](#)
- [How to Install or Upgrade to Cisco Unified MeetingPlace H.323/SIP IP Gateway Software Release 5.2.1, page 2-5](#)

How to Complete Prerequisites for Cisco Unified MeetingPlace H.323/SIP IP Gateway Software Release 5.2.1 Installation or Upgrade

- Verify that your system meets the requirements listed in the [Release Notes](#) for Cisco Unified MeetingPlace H.323/SIP IP Gateway Software Release 5.2.1.
- Complete the “[Cisco Unified MeetingPlace H.323/SIP IP Gateway Software Release 5.2.1 Installation Worksheet](#)” section on page A-1 and “[Cisco Unified MeetingPlace H.323/SIP IP Gateway Software Release 5.2.1 Dial Plan Worksheet](#)” section on page A-3.
These worksheets identify the required information that you need to install and configure Release 5.2.1 to work with VoIP devices.
- By following the instructions in the “[How to Configure Cisco Unified CallManager for Use With Cisco Unified MeetingPlace H.323/SIP IP Gateway Software Release 5.2.1](#)” section on page 2-2, configure Cisco Unified CallManager for your network.

- If a firewall separates the Cisco Unified MeetingPlace Audio Server system from the IP-gateway server, open port 5003.

**Tip**

The Gateway SIM communicates with the Cisco Unified MeetingPlace Audio Server system through port 5003. This port can be bidirectional or unidirectional and can be opened on either the Cisco Unified MeetingPlace Audio Server system or the IP-gateway server depending on your corporate security needs.

- Stop all previously installed Cisco Unified MeetingPlace system services.

How to Configure Cisco Unified CallManager for Use With Cisco Unified MeetingPlace H.323/SIP IP Gateway Software Release 5.2.1

When a caller dials a number from an IP phone, the call is first directed to Cisco Unified CallManager; from there, Cisco Unified CallManager associates the dialed number with a route pattern that points to the appropriate IP-gateway server.

**Note**

Traffic must be allowed to pass through ports 1024-65535 because the IP-gateway server uses these ports to send dynamic TCP and UDP traffic to Cisco Unified CallManager.

Before you can install and configure Release 5.2.1, you must configure Cisco Unified CallManager to point to your IP-gateway server. To configure Cisco Unified CallManager, you must first add a gateway; then, assign the gateway to a route pattern.

To configure Cisco Unified CallManager for use with Release 5.2.1, perform the following procedures in this order:

- [Adding the Cisco Unified MeetingPlace H.323/SIP IP Gateway Software Release 5.2.1 Server to the Cisco Unified CallManager Configuration Database, page 2-2](#)
- [Assigning a Cisco Unified CallManager Route Pattern to Point to the Cisco Unified MeetingPlace H.323/SIP IP Gateway Release Release 5.2.1 Server, page 2-4](#)

Adding the Cisco Unified MeetingPlace H.323/SIP IP Gateway Software Release 5.2.1 Server to the Cisco Unified CallManager Configuration Database

To enable Cisco Unified CallManager to route calls to IP-gateway servers in your network, you must first add each IP-gateway server to the Cisco Unified CallManager configuration database.

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- Step 1** From the Cisco Unified CallManager server, choose **Start > Programs > Cisco Unified CallManager > CallManager Administration**.
- Step 2** Enter the user name and password in the appropriate fields and click **OK**.
- Step 3** In the Cisco Unified CallManager Administration page, choose **System > CallManager**.
- Step 4** To display the Find/List Gateways window, choose **Device > Gateway**.

- Step 5** Click the **Add a New Gateway** link.
The Add a New Gateway window appears.
- Step 6** From the Gateway drop-down menu, choose **H.323 Gateway**.
In the Device Protocol drop-down menu, the H.225 device protocol appears.
- Step 7** Click **Next**.
The Gateway Configuration window appears.
- Step 8** Enter information in each field of the Gateway Configuration window, as shown in [Table 2-1](#).



Note Maintain the default setting for all other parameters

Table 2-1 *Fields in the Gateway Configuration Window*

Field	Description	Task
Device Name	Identifies the Cisco Unified CallManager device.	Enter the hostname or IP address of the IP-gateway server.
Device Pool	Specifies a collection of properties for this device including Cisco Unified CallManager Group, Date/Time Group, Region, and Calling Search Space for autoregistration of devices.	Choose Default .
Locations	Specifies the total bandwidth that is available for calls to and from this location. A location setting of None means that the locations feature does not keep track of the bandwidth that is consumed by this device.	If applicable, choose the location of the IP-gateway server on your network.
Calling Party Selection	Sends directory number information for an outbound call. Information in this field determines which directory number is sent. The following options specify which directory number is sent: <ul style="list-style-type: none"> • Originator—Sends the directory number of the calling device. • First Redirect Number—Sends the directory number of the redirecting device. • Last Redirect Number—Sends the directory number of the last device to redirect the call. 	Choose Originator .
Presentation Bit	Determines whether the central office transmits or blocks caller ID.	Choose None .

Table 2-1 Fields in the Gateway Configuration Window (continued)

Field	Description	Task
Gatekeeper Registration	Provides address translation and controls access to the LAN for connections between H.323-compliant devices, such as terminals and gateways.	Choose None .
Media Termination Point (MTP) Required	Implements features that H.323 does not support (such as hold and transfer) via MTP. This check box is only for H.323 clients and H.323 devices that do not support the H.245 Empty Capabilities Set message.	Deselect this option.

Step 9 Click **Insert**.

Assigning a Cisco Unified CallManager Route Pattern to Point to the Cisco Unified MeetingPlace H.323/SIP IP Gateway Release Release 5.2.1 Server

After adding the IP-gateway server to the Cisco Unified CallManager configuration database, you must assign a route pattern, which comprises a string of digits (an address) and a set of associated digit manipulations that can be assigned to the IP-gateway server. Route patterns work with route filters and route lists to direct calls to the IP-gateway server and to include, exclude, or modify specific digit patterns.



Tip

Assigning 8XXX to a gateway routes all directory numbers 8000 to 8999 out the gateway. Similarly, 82XX routes directory numbers 8200 to 8299.

Step 1 If applicable, ensure that you have configured the following items in Cisco Unified CallManager:

- Gateway
- Route list
- Partition
- Route filter

Step 2 In the Cisco Unified CallManager Administration page, choose **Route Plan > Route Pattern**.

Step 3 Click **Add a New Route Pattern**.

Step 4 Enter the information in [Table 2-2](#) into the corresponding fields in the Route Pattern Configuration window.

Table 2-2 *Fields in the Route Pattern Configuration Window*

Field	Description
Route Pattern	Enter the number for IP-gateway that you configured in “ Adding the Cisco Unified MeetingPlace H.323/SIP IP Gateway Software Release 5.2.1 Server to the Cisco Unified CallManager Configuration Database ” section on page 2-2. This is the number that callers use to connect to the Cisco Unified MeetingPlace Audio Server system.
Numbering Plan	If applicable, choose the appropriate numbering-plan option.
Gateway/Route List	Choose the host name or IP address of the IP-gateway server.
Route Option	Choose Route this pattern and deselect the Provide Outside Dial Tone box.

Step 5 To save your settings, click **Insert**.



Note

Once you click Insert and the window refreshes, an (Edit) link appears in the window next to the Gateway/Route List field. This link takes you to the Gateway Configuration or Route List Configuration window for reference, depending upon whether the Gateway/Route List field contains a gateway or a route list. You can see the route group that is included in that route list if the route group was specified. If the route group was not specified, you see devices.

How to Install or Upgrade to Cisco Unified MeetingPlace H.323/SIP IP Gateway Software Release 5.2.1



Note

You must configure Cisco Unified CallManager before you install Release 5.2.1.

This section includes the following procedures:

- [Installing Cisco Unified MeetingPlace H.323/SIP IP Gateway Software Release 5.2.1](#), page 2-6
- [Upgrading to Cisco Unified MeetingPlace H.323/SIP IPGW Software Release 5.2.1 From Cisco Unified MeetingPlace IP Gateway Release 5.x](#), page 2-6
- [Upgrading to Cisco Unified MeetingPlace H.323/SIP IP Gateway Software Release 5.2.1 From Cisco Unified MeetingPlace IP Gateway Release 4.x](#), page 2-7
- [Configuring Cisco Unified MeetingPlace Gateway SIM](#), page 2-7
- (Optional) [Changing Cisco Unified MeetingPlace Gateway SIM Settings](#), page 2-8
- (Optional) [Uninstalling Cisco Unified MeetingPlace H.323/SIP IP Gateway Software Release 5.2.1](#), page 2-9

Installing Cisco Unified MeetingPlace H.323/SIP IP Gateway Software Release 5.2.1

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- Step 1** Complete the tasks in the “[How to Complete Prerequisites for Cisco Unified MeetingPlace H.323/SIP IP Gateway Software Release 5.2.1 Installation or Upgrade](#)” section on page 2-1.
- Step 2** To install the software by running the setup.exe file, insert the Release 5.2.1 CD-ROM into the IP-gateway server CD-ROM drive.
- Step 3** After the Welcome window appears, click **Next**.
The Installer window appears.
- Step 4** (Optional) If the installation utility does not start, perform the following steps:



Caution Do not manually run the ISScript8.Msi file.

- a. Choose **Start > Run**.
- b. Enter `X:\SETUP` where *X* is the mapped CD-ROM drive.
- c. Click **OK**.

- Step 5** Choose **Complete** for setup type and click **Next**.
- Step 6** Click **Install**.
The installation begins.
- Step 7** If the Cisco Unified MeetingPlace Gateway SIM InstallShield Wizard begins, install and configure Gateway SIM by completing the steps in the “[Configuring Cisco Unified MeetingPlace Gateway SIM](#)” section on page 2-7.
- Step 8** To complete installation, click **Finish**.
- Step 9** If prompted, reboot the IP-gateway server.
- Step 10** If you plan to install Cisco Unified MeetingPlace system integration applications on the Release 5.2.1 IP-gateway server, install those applications now.



Note Before you install multiple Cisco Unified MeetingPlace system integration applications on the IP-gateway server, ensure that your system meets the requirements for integration. For additional information, see *Important Information About Cisco Unified MeetingPlace Products and Cisco Media Convergence Servers* at the following URL:
<http://www.cisco.com/univercd/cc/td/doc/product/conf/mtgplace/mpmcs.htm>

Upgrading to Cisco Unified MeetingPlace H.323/SIP IPGW Software Release 5.2.1 From Cisco Unified MeetingPlace IP Gateway Release 5.x

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- Step 1** Ensure that the tasks in “[How to Complete Prerequisites for Cisco Unified MeetingPlace H.323/SIP IP Gateway Software Release 5.2.1 Installation or Upgrade](#)” section on page 2-1 have been completed and that you have collected the configuration information for the currently installed Cisco Unified MeetingPlace IP Gateway release.

- Step 2** Install Release 5.2.1 by using the procedures in the [“How to Install or Upgrade to Cisco Unified MeetingPlace H.323/SIP IP Gateway Software Release 5.2.1”](#) section on page 2-5.
- The configuration settings are imported during installation.
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Upgrading to Cisco Unified MeetingPlace H.323/SIP IP Gateway Software Release 5.2.1 From Cisco Unified MeetingPlace IP Gateway Release 4.x

- Step 1** Ensure that the tasks in [“How to Complete Prerequisites for Cisco Unified MeetingPlace H.323/SIP IP Gateway Software Release 5.2.1 Installation or Upgrade”](#) section on page 2-1 have been completed and that you have collected the configuration information for the currently installed Cisco Unified MeetingPlace IP Gateway release.
- Step 2** To uninstall Cisco Unified MeetingPlace IP Gateway 4.x, choose **Start > Settings > Control Panel > Add/Remove Programs**.
- Step 3** Select **MeetingPlace IP Gateway** and click **Remove**.



Note Uninstalling Cisco Unified MeetingPlace IP Gateway 4.x may also uninstall any previous Cisco Unified MeetingPlace GWSIM release.

- Step 4** Install Release 5.2.1 by using the procedures in [“How to Install or Upgrade to Cisco Unified MeetingPlace H.323/SIP IP Gateway Software Release 5.2.1”](#) section on page 2-5.
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Configuring Cisco Unified MeetingPlace Gateway SIM

Gateway SIM enables Release 5.2.1 and other Cisco Unified MeetingPlace integration applications to communicate with the Cisco Unified MeetingPlace Audio Server system. With Release 5.2.1, Gateway SIM installs or upgrades automatically; perform the following steps to configure the settings:

- Step 1** After the Welcome window appears, click **Next**.
- Step 2** In the Choose Destination Location dialog box, click **Next** to begin installation.
- Step 3** To complete installation, click **Finish**.
- The Cisco Unified MeetingPlace Server Entry dialog box appears.
- Step 4** Enter the name of the Cisco Unified MeetingPlace Audio Server system and click **Next**.
- The Installation Key Entry dialog box appears.
- Step 5** If the Gateway SIM for this gateway has been previously configured in the Cisco Unified MeetingPlace Audio Server system, enter the configured Ethernet address.
- or
- If the Gateway SIM for this gateway has not been previously configured, leave this field empty.
- Step 6** Click **Next**.

- Step 7** In the Cisco Unified MeetingPlace Client IP Address dialog box, enter the IP address of the IP-gateway server where you are currently installing Gateway SIM and click **Next**.
- Step 8** Click **Finish**.
- Step 9** To complete Release 5.2.1 installation, go to the “[Installing Cisco Unified MeetingPlace H.323/SIP IP Gateway Software Release 5.2.1](#)” section on page 2-6.


Changing Cisco Unified MeetingPlace Gateway SIM Settings

You cannot modify Gateway SIM settings; to change these settings, you must perform the following tasks:

- Delete the current Gateway SIM configuration
- Add a new Gateway SIM configuration

- Step 1** To stop all Cisco Unified MeetingPlace system services, choose **Start > Programs > Administrative Tools > Services**.
- Step 2** Right-click each Cisco Unified MeetingPlace system service and choose **Stop**.
- Step 3** Choose **Start > Programs > MeetingPlace Applications > MeetingPlace Gateway Configuration**. The Cisco Unified MeetingPlace Gateway Configurations dialog box appears.
- Step 4** From the list on the left, select the name of the Cisco Unified MeetingPlace Audio Server system.
- Step 5** Click **Delete**.
- Step 6** Click **Add**. The MeetingPlace Server Entry dialog box appears.
- Step 7** Enter the configuration information from [Table 2-3](#) in to the corresponding fields.

Table 2-3 MeetingPlace Server Entry Dialog Box

Field	Description
Server Name	Enter the hostname of the Cisco Unified MeetingPlace Audio Server system.
Shadow Server	Leave this field empty; it is not used by Release 5.2.1 but may be used by other gateways.
Client IP Address	Enter the IP address of the computer where the Gateway SIM is being installed.
Transfer Destination	Leave this field empty; it is not used by Release 5.2.1 but may be used by other gateways.
Link Encryption Disabled	 <p>Note We do not recommend Link Encryption Disabled.</p> <p>If you want to encrypt communications between the Gateway SIM and Cisco Unified MeetingPlace Audio Server system, do not select this option. Encryption uses a 56-bit Data Encryption Standard (DES) algorithm with a secret key.</p> <p>To send communications in clear text, click this option.</p>

- Step 8** Click **OK**.
 - Step 9** To apply the configuration settings, click **OK** again.
 - Step 10** To restart the Gateway SIM, choose **Start > Programs > Administrative Tools > Services**.
 - Step 11** Right-click MeetingPlace GWSIM and choose **Start**.
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Uninstalling Cisco Unified MeetingPlace H.323/SIP IP Gateway Software Release 5.2.1

**Caution**

Before you uninstall Release 5.2.1, ensure that you have configured Cisco Unified CallManager to route calls to another IP gateway.

- Step 1** To stop all Cisco Unified MeetingPlace services, choose **Start > Programs > Administrative Tools > Services**.
 - Step 2** Right-click on each Cisco Unified MeetingPlace service and choose **Stop**.
 - Step 3** Choose **Start > Settings > Control Panel > Add/Remove Programs**.
 - Step 4** Select **MeetingPlace IP Gateway** and click **Remove**.
 - Step 5** Restart the IP-gateway server.
 - Step 6** To verify that Release 5.2.1 was successfully uninstalled, review the list of programs in Add/Remove Programs.
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