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Before You Install

Review the following sections, completing the tasks in order, before you run the Cisco Unified MeetingPlace Video Integration installer:

- Verifying That Component Systems Are Up and Running
- Verifying Your Video-Conferencing License
- About Configuring the Cisco Unified Videoconferencing MCU to Use Cisco Unified MeetingPlace
- Verifying that Video Endpoints Can Connect to the Cisco Unified Videoconferencing MCU
- Setting Cisco Unified Videoconferencing MCU Parameters That Are Required to Support Cisco Unified MeetingPlace
- Creating Cisco Unified Videoconferencing MCU Services for Cisco Unified MeetingPlace
- Configuring NTP on Cisco Unified Videoconferencing MCUs
- Configuring the Cisco IOS H.323 Gatekeeper
- Configuring Video Administration for Cisco Unified MeetingPlace
- Configuring the Cisco Unified MeetingPlace Web Conferencing Server
- Configuring the Cisco Unified MeetingPlace Audio Server
- Configuring Cisco Unified MeetingPlace H.323/SIP Gateway
- Configuring Load-Balancing Configurations for Video Conferencing
- About Installing and Configuring Video Endpoints
- (Optional) Configuring Cisco Unified MeetingPlace for Outlook
- (Optional) Configuring Cisco Unified MeetingPlace for Lotus Notes
- Configuring Cisco Unified CallManager
- Preparing to Install the Video Integration with DMZ Configurations
- Gathering Installation Values

Verifying That Component Systems Are Up and Running

Several component systems must be working independently before you prepare to install Cisco Unified MeetingPlace Video Integration.

Verify the following:

- Release 6.1 of the Cisco Unified MeetingPlace system is up and running, including Cisco Unified MeetingPlace Audio Server and Cisco Unified MeetingPlace Web Conferencing.
- All video endpoints that your organization supports (H.323, SCCP, and ISDN) can successfully participate in video conferences on the Cisco Unified Videoconferencing MCU. Endpoints must be able to join both by dialing in and by having the Cisco Unified Videoconferencing MCU call the endpoint.

Verifying Your Video-Conferencing License

Verify that your Cisco Unified MeetingPlace system is licensed for Video Integration.

To Verify Your Video-Conferencing License

1. In MeetingTime, click the **Configure** tab, then click **System Options**.
2. Click **Query**.
3. Click the **>** button until you see **Cisco Unified MeetingPlace Video Integration**.
4. The Number of Licenses should be set to **1**. If it is set to **0** (zero) contact your Cisco technical support representative.

About Configuring the Cisco Unified Videoconferencing MCU to Use Cisco Unified MeetingPlace

Before you configure the Cisco Unified Videoconferencing MCU for Cisco Unified MeetingPlace Video Integration, verify that the Cisco Unified Videoconferencing MCU is working independently of Video Integration, and that it can host and manage video conferences.

For detailed information about video-conferencing parameters, see the Cisco Unified Videoconferencing MCU documentation, at http://www.cisco.com/en/US/products/hw/video/ps1870/tsd_products_support_series_home.html.

All H.323 resources on the Cisco Unified Videoconferencing MCU are dedicated to the Cisco Unified MeetingPlace services, and Cisco Unified MeetingPlace controls all H.323 resources on the Cisco Unified Videoconferencing MCU. However, conferences can be created by using SCCP (Skinny protocol), and Cisco Unified MeetingPlace does not control those conferences. Cisco Unified Videoconferencing MCU resources will be shared between the Cisco Unified MeetingPlace service and any SCCP services.

The service prefixes associated with the Cisco Unified MeetingPlace service will be used to route callers to Video Administration for Cisco Unified MeetingPlace and must not conflict with other routing patterns in the gatekeeper or Cisco Unified CallManager.

The following optional cards for the Cisco Unified Videoconferencing MCU are not supported:

- Rate Matching card
- Data Conferencing card

If your Cisco Unified MeetingPlace Audio Server is configured to use G.729, verify that the Cisco Unified Videoconferencing MCU is configured to support G.729. If you are using Cisco Unified Videoconferencing 4.x, a transcoder card may be needed. For information about specifying an audio codec, see the Cisco Unified Videoconferencing MCU Help.

We do not recommend changing settings in the Cisco Unified Videoconferencing MCU after users have begun to schedule conferences via Cisco Unified MeetingPlace if such changes reduce the number of available video conferences or ports. Before changing the settings in the Cisco Unified Videoconferencing MCU, see the Changing Settings in Other Components.

To configure your Cisco Unified Videoconferencing MCU to provide video content for Cisco Unified MeetingPlace conferences, do the following tasks in the order shown:

1. Verify that all video endpoints can connect to a conference on the Cisco Unified Videoconferencing MCU, and that the Cisco Unified Videoconferencing MCU can call out to all video endpoints. See the Verifying that Video Endpoints Can Connect to the Cisco Unified Videoconferencing MCU.
2. Set Cisco Unified Videoconferencing MCU management parameters that are required to support Cisco Unified MeetingPlace. See the Setting Cisco Unified Videoconferencing MCU Parameters That Are Required to Support Cisco Unified MeetingPlace.
3. Create Cisco Unified Videoconferencing MCU services for Cisco Unified MeetingPlace. See the Creating Cisco Unified Videoconferencing MCU Services for Cisco Unified MeetingPlace.
4. Configure Network Time Protocol (NTP) on all MCUs. See the Configuring NTP on Cisco Unified Videoconferencing MCUs.

Verifying that Video Endpoints Can Connect to the Cisco Unified Videoconferencing MCU

Endpoints must be able to join video conferences on the Cisco Unified Videoconferencing MCU before Cisco Unified MeetingPlace Video Integration can run.

If you have questions about routing calls through the gatekeeper and you use a Cisco IOS H.323 Gatekeeper, see the *Cisco IOS H.323 Configuration Guide*.

To Verify that Video Endpoints Connect to the Cisco Unified Videoconferencing MCU

1. Follow the instructions in the documentation for your Cisco Unified Videoconferencing MCU to have each video endpoint dial in to a video conference.
2. Follow the instructions in the documentation for your Cisco Unified Videoconferencing MCU to have the Cisco Unified Videoconferencing MCU call each video endpoint.

Setting Cisco Unified Videoconferencing MCU Parameters That Are Required to Support Cisco Unified MeetingPlace

To use your Cisco Unified Videoconferencing MCUs with Cisco Unified MeetingPlace you must configure certain Cisco Unified Videoconferencing MCU parameters to provide video for Cisco Unified MeetingPlace conferences.

Do the following procedures on each Cisco Unified Videoconferencing MCU that is to be used with Cisco Unified MeetingPlace.

Note that there are two procedures for configuring Cisco Unified Videoconferencing MCU parameters: one for Release 4.x, and one for Release 5.x. Use the procedure for your version.

(For Cisco Unified Videoconferencing 4.x Only) To Configure Cisco Unified Videoconferencing MCU 4.x Parameters for Cisco Unified MeetingPlace

1. Log in to the Cisco IP/VC Administrator of the Cisco Unified Videoconferencing MCU that you want the Cisco Unified MeetingPlace server to use.
2. Choose **MCU > Settings > Basics**.
3. In the MCU Mode field, click **MCU**.

   Note: If you will be configuring SCCP ports refer to the applicable Administrator Guide for your Cisco Unified Videoconferencing MCU at http://www.cisco.com/en/US/products/hw/video/ps1870/prod_maintenance_guides_list.html.
4. Click **Conference Mgmt**.
5. Set the following parameters on the Conference Mgmt page:
   1. In the External Conference Authorization Policy field, click **None**.

      Note: If you are upgrading from Cisco Unified MeetingPlace Release 5.3, change this setting from **Authorize** to **None**.
   2. In the Allow Conference Creation Using field, click **Scheduler Only**.
   3. In the Allow Conference Joining Using field, click **Invite and Dial-in**.
   4. In the Dial-in Conference Terminates When field, click **Last Participant Leaves**.
6. Click **Advance**.
7. We recommend that you check **Disconnect Participants on Communications (ICMP) Failure** and click **Audio Failure** in the Disconnect On field.
8. To save these settings, click **Upload**.
9. Repeat Step 1 through Step 8 for each Cisco Unified Videoconferencing MCU that is to be used with Cisco Unified MeetingPlace.

(For Cisco Unified Videoconferencing 5.x Only) To Configure Cisco Unified Videoconferencing MCU 5.x Parameters for Cisco Unified MeetingPlace

1. Log in to the Cisco IP/VC Administrator of the Cisco Unified Videoconferencing MCU that you want the Cisco Unified MeetingPlace server to use.
2. Choose **MCU > Protocols > H.323**.
3. Check the **Enable H323 Protocol** field.
4. In the **Gatekeeper Address** field, enter the IP Address of the Video Administration server with Gatekeeper Port 1719
5. Click **Advanced H.323 Settings**
6. In the Advanced H.323 Settings dialog box, confirm that **Ras Port** is set to 2719, **Signalling Port** is set to 2720, **Registration Refresh Rate** is set to 300seconds, and **MCU Registration Mode** is set to "MCU" (default setting).
7. Click **OK**.

   Note: SCCP protocol can be configured for use by Cisco Unified CallManager video telephony ad-hoc calls if desired but any SCCP ports configured will take away from H.323 ports for Cisco Unified MeetingPlace Video Integration use. Size the MCU appropriately for both H.323 and SCCP use. For details, refer to the applicable Administrator Guide for your Cisco Unified Videoconferencing MCU at http://www.cisco.com/en/US/products/hw/video/ps1870/prod_maintenance_guides_list.html.
8. Choose **Settings > Advanced**.
9. Set the following parameters on the Advanced page:
   1. In the Conferences Can Be Created Using field, click **Scheduler Only**.
   2. In the Participants Can Join the Conference Using field, click **Invite and Dial-in**.
   3. In the Ad Hoc Conferences Terminate When field, click **Last Participant Leaves**.

4. In the External Conference Authorization Policy field, click **None**.
5. We recommend that you check **Disconnect Participants on Communications (ICMP) Failure** and click **Audio Failure** in the Disconnect On field.

10. To save these settings, click **Upload**.
11. Repeat Step 1 through Step 10 for each Cisco Unified Videoconferencing MCU that is to be used with Cisco Unified MeetingPlace.

To Set the Audio Indication Interval (Optional)

If video participants join a conference that has not yet started, they must wait in the waiting room. Do this procedure to play an announcement while participants wait.

1. Click **MCU**, then click **Settings**.
2. Click **Advanced** .
3. Click **Command**.
   The Advanced Command dialog box appears.
4. In the Advanced Command dialog box, do the following:
   1. In the Available commands window, click **First Audio Announcement Interval (msec)**.
      Your selection appears in the Command field.
   2. In the Parameter field, enter the value in milliseconds that you want Cisco Unified MeetingPlace to announce to video participants that they are in the waiting room and that the conference has not formally started.
      Tip: We recommend entering 1500 to establish an interval of 15 seconds.
   3. Click **Send**, then click **Close**.
5. Repeat Step 1 through Step 4 for each Cisco Unified Videoconferencing MCU that is to be used with Cisco Unified MeetingPlace.

Creating Cisco Unified Videoconferencing MCU Services for Cisco Unified MeetingPlace

You must create at least one Cisco Unified Videoconferencing MCU service for Cisco Unified MeetingPlace. Before you create a service in the Cisco Unified Videoconferencing MCU, verify that the media processor (MP) that the Cisco Unified Videoconferencing MCU uses supports Cisco Unified MeetingPlace.

Table: Media Processors That Support Video in Cisco Unified MeetingPlace provides information about which Cisco Unified Videoconferencing media processors support Cisco Unified MeetingPlace.

Table: Media Processors That Support Video in Cisco Unified MeetingPlace

Cisco Unified Videoconferencing Media Processor	Software Supporting Cisco Unified MeetingPlace
Local Cisco Unified Videoconferencing MCU media processor	Release 4.0 or later

Cisco Unified Videoconferencing EMP	Release 3.0.5 or later
Cisco Unified Videoconferencing Rate Matching module	Does not support Cisco Unified MeetingPlace
Data Conferencing Card	Does not support Cisco Unified MeetingPlace

You can use one of the preconfigured Cisco Unified MeetingPlace service templates or manually create a Cisco Unified MeetingPlace service. The procedures vary slightly depending on whether you are using Cisco Unified Videoconferencing MCU Release 4.x or Release 5.x. Follow the procedures for your version.

1. Do the procedure in the Using Preconfigured Service Templates.
2. Manually create a Cisco Unified Videoconferencing MCU service. Do the procedures in the applicable section:
   - Creating a Service Manually for Cisco Unified Videoconferencing MCU Release 4.x Only
   - Creating a Service Manually for Cisco Unified Videoconferencing MCU Release 5.x Only

Using Preconfigured Service Templates

Cisco Unified Videoconferencing MCU Release 4.x includes three preconfigured services that are designed for Cisco Unified MeetingPlace. Cisco Unified Videoconferencing MCU Release 5.x includes one preconfigured service that is designed for Cisco Unified MeetingPlace.

Note: The Cisco Unified MeetingPlace service prefixes appear automatically on the IP/VC Administrator Services page for new Cisco Unified Videoconferencing MCUs. However, these services do not appear when you upgrade your Cisco Unified Videoconferencing MCU. To display these services, you can use the restore factory defaults option. However, in doing so, you will lose your current configuration.

To Install the Cisco Unified MeetingPlace Service Templates on an Existing Cisco Unified Videoconferencing MCU Installation and Erase Existing Services

1. Run the Cisco Unified Videoconferencing MCU installer.
2. At the first install screen, click **Customize**.
3. Check the **MCU Config File** check box.
4. Continue with the installation.
5. After installation, log in to the Cisco Unified Videoconferencing MCU as administrator.
6. Click **MCU** on the sidebar and click the **Services** tab.
7. In the Services tab, choose the applicable template. Voice Activated allows participants to View Active Speaker, while Continuous Presence allows participants to View Multiple People. These settings are available to participants in the web-conferencing meeting room.

   See the appropriate table for the default service codes included with your MCU:
   - Table: Default MeetingPlace service codes included with Cisco Unified Videoconferencing MCU Release 4.x
   - Table: Default MeetingPlace service code included with Cisco Unified Videoconferencing MCU Release 5.x

Table: Default MeetingPlace service codes included with Cisco Unified Videoconferencing MCU Release 4.x

Service Prefix	Supported Views	Supported Endpoints	Processors Required	Format	Allow Dynamic Scheme
887	Voice Activated and Continuous Presence	H.323	MP	H.261	Unchecked
888	Voice Activated	SCCP, H.323	MP	H.263	Checked
889	Voice Activated and Continuous Presence	SCCP, H.323	MP and EMP	H.263	Checked for both views

Table: Default MeetingPlace service code included with Cisco Unified Videoconferencing MCU Release 5.x

Service Prefix	Supported Views	Supported Endpoints	Processors Required	Format
72	Voice Activated and Continuous Presence	SCCP, H.323	MP and EMP	H.261,H.263, H.264

Creating a Service Manually for Cisco Unified Videoconferencing MCU Release 4.x Only

To create a Cisco Unified Videoconferencing MCU service for Cisco Unified MeetingPlace do the following procedures in the order presented:

- To Set the Core Service Parameters for Cisco Unified Videoconferencing MCU Release 4.x
- To Set Audio Indications for Cisco Unified Videoconferencing MCU Release 4.x
- To Verify That a Conference Password Is Not Required for Cisco Unified Videoconferencing MCU Release 4.x
- To Set Conference View Parameters for Cisco Unified Videoconferencing MCU Release 4.x
- To Set Video Schemes Parameters for Cisco Unified Videoconferencing MCU Release 4.x
- To Save Your Service

To Set the Core Service Parameters for Cisco Unified Videoconferencing MCU Release 4.x

1. Click **MCU** on the sidebar and click the **Services** tab.
2. Click the **Add** button.
   The Select Service dialog box appears.
3. To create a new service, click **OK**.
   The Add Service dialog box appears.
4. In the Service Prefix field, enter the value that you want to use for the Cisco Unified MeetingPlace service.
5. Uncheck the SCCP Service check box. Users of SCCP endpoints can still attend Cisco Unified MeetingPlace conferences.
6. In the Service Description field, enter the description for this service that you want to appear on the Create Conference page.
7. In the Media Types section, check **Video** and uncheck **Data**. (Cisco Unified MeetingPlace provides data collaboration in conferences, so you must disable data collaboration in the Cisco Unified

Videoconferencing MCU if it is currently enabled.)

8. Specify the number of ports that you want the Cisco Unified Videoconferencing MCU to reserve for each conference as follows:
    1. In the Reserved Number of Parties field, enter **2**.

        Note: One of these ports is reserved for the Cisco Unified MeetingPlace server.

        Tip: You can ascertain the maximum number of ports this service can support by entering 200 in the Maximum Number of Parties field and choosing **OK** at the bottom of the page. The error message that appears indicates the maximum number of ports the current configuration allows based on the video bandwidth value specified in the Conference Views section.
    2. In the Maximum Number of Parties field, enter the total number of Cisco Unified Videoconferencing MCU ports that are available for conferences.

To Set Audio Indications for Cisco Unified Videoconferencing MCU Release 4.x

1. Click the **Indications** button.

    The Indications Settings dialog box appears.
2. Verify that all parameters are checked. We recommend that you enable all audio-indication parameters.
3. Click **OK**.

To Verify That a Conference Password Is Not Required for Cisco Unified Videoconferencing MCU Release 4.x

1. Click the **Management** button.

    The Management Settings dialog box appears.
2. Verify that password-related parameters are unchecked.
3. Click **OK**.

To Set Conference View Parameters for Cisco Unified Videoconferencing MCU Release 4.x

When you set view parameters, use the Cisco Unified MeetingPlace service template as a model. The templates are described in the Using Preconfigured Service Templates. A Voice Activated view allows participants to View Active Speaker, while a Continuous Presence view allows participants to View Multiple People.

Note: One Voice Activated, 1-participant layout is required. A Continuous Presence view is optional, if your hardware supports it. Do not create multiple identical views for a single service code. Each view must be unique.

1. Click the **Edit View** icon.

    The Edit View dialog box appears.
2. In the Use Processor field, click the type of media processor that you want this service to use.

    Note: The **MP and RM** option does not support Cisco Unified MeetingPlace.

    · Click **MP** to specify that the service uses only the local media processor to process

video conference calls.
- Click **EMP** to specify that the service uses the Cisco Unified Videoconferencing Enhanced Media Processor (EMP) register with the Cisco Unified Videoconferencing MCU to process video conference calls.
- Click **Auto** to allow the Cisco Unified Videoconferencing MCU to choose the media processor it will use to process a specific video conference.

3. In the Video Picture Size field, click the video format that you anticipate most endpoints will use.
4. To enable the Cisco Unified Videoconferencing MCU to switch the video to the speaker who is speaking the loudest, check **Enable Voice Activate**.
5. In the Voice Activate Method field, we recommend that you click **All See One** to have all participants see the current speaker.
6. To disable automatic switching of nonspeaking participants, uncheck **Enable Auto-Switch**.
7. To save these conference-view parameters and to close the Edit View dialog box, click **OK**.

To Set Video Schemes Parameters for Cisco Unified Videoconferencing MCU Release 4.x

1. Select the Video Settings Schemes profile that you want to edit and click the **Edit** button.
   The Edit Video Scheme dialog box appears.
2. In the Max Bit Rate field, click the maximum video bandwidth that you want this service to support. This number must be less than or equal to the bandwidth settings in Cisco Unified MeetingPlace (and in Cisco Unified CallManager, if your network uses Cisco Unified CallManager.)
   Note: Endpoints that are not capable of supporting this bandwidth receive only the conference audio unless dynamic scheme is allowed.
3. To save these Video Scheme changes and to close this dialog box, click **OK**.
4. To save these conference-view parameters and to close the Edit View dialog box, click **OK**.

To Save Your Service

1. To save your service, click **OK** at the bottom of the Service page.

Creating a Service Manually for Cisco Unified Videoconferencing MCU Release 5.x Only

To create a Cisco Unified Videoconferencing MCU service for Cisco Unified MeetingPlace do the following procedures in the order presented:

- To Set the Core Service Parameters for Cisco Unified Videoconferencing MCU Release 5.x
- To Set Audio Indications for Cisco Unified Videoconferencing MCU Release 5.x
- To Verify That a Conference Password Is Not Required for Cisco Unified Videoconferencing MCU Release 5.x
- To Set Conference View Parameters for Cisco Unified Videoconferencing MCU Release 5.x
- To Save Your Service

To Set the Core Service Parameters for Cisco Unified Videoconferencing MCU Release 5.x

1. Click **MCU** on the sidebar and click the **Services** tab.
2. Click the **Add** button.
   The Automatic Service Definition dialog box appears.
3. In the Service Prefix field, enter the value that you want to use for the Cisco Unified MeetingPlace service.
4. Uncheck the **SCCP Service** check box. Users of SCCP endpoints can still attend Cisco Unified MeetingPlace conferences.
5. In the **Service Description** field, enter the description for this service that you want to appear on the Create Conference page.
6. In the **Service Type** field, select Standard Rate Video or High Rate Video.
   Note: High Definition Video is not supported with Cisco Unified MeetingPlaceVideo Integration.
7. In the Data Collaboration section, **uncheck the three check boxes.** (Cisco Unified MeetingPlace provides data collaboration in conferences, so you must disable data collaboration in the Cisco Unified Videoconferencing MCU if it is currently enabled.)
8. Specify the number of ports that you want the Cisco Unified Videoconferencing MCU to reserve for each conference as follows:
   1. Click the **Advanced Management and Security** button.
      The Management and Security dialog box appears.
   2. Click the **Port Reservation & Limits** tab.
   3. In the Number of Ports Guaranteed (Reserved) When a Conference Starts field, enter **2**.
      Note: One of these ports is reserved for the Cisco Unified MeetingPlace server.
   4. Check the **Allow Conference to Grow Over Guaranteed Value** check box if you would like conferences to be allowed to grow on an ad hoc basis if resources are available.

To Set Audio Indications for Cisco Unified Videoconferencing MCU Release 5.x

1. Click the **Advanced Management and Security** button.
   The Management and Security dialog box appears.
2. Click the **Indications** tab.
3. Verify that all parameters are checked. We recommend that you enable all audio-indication parameters.
4. Click **OK**.

To Verify That a Conference Password Is Not Required for Cisco Unified Videoconferencing MCU Release 5.x

1. Click the **Advanced Management and Security** button.
   The Management and Security dialog box appears.
2. On the PIN Settings tab, verify that the **Force Conference PIN Protection** check box is unchecked and that the **Do Not Ask for Conference PIN When Dialing-Out to Invitees** check box is checked.
3. Click **OK**.

To Set Conference View Parameters for Cisco Unified Videoconferencing MCU Release 5.x

When you set view parameters, use the Cisco Unified MeetingPlace service template as a model. The templates are described in the Using Preconfigured Service Templates. A Voice Activated view allows participants to View Active Speaker, while a Continuous Presence view allows participants to View Multiple People.

Note: One Voice Activated, 1-participant layout is required. Other views are optional. Do not create multiple identical views for a single service code. Each view should be unique.

1. Click the **Advanced Video Settings** button.
   The Advanced Video Settings dialog box appears.
2. In the Support Image Size Up To field, click the largest video format that your endpoints will use.
3. To disable automatic switching of nonspeaking participants, uncheck **Enable Auto-Switch**.
4. Configure other view parameters as desired.
   Note: Cisco Unified MeetingPlace supports custom layouts, but does not support 3G videophone layouts.
5. To save these conference-view parameters and to close the Advanced Video Settings dialog box, click **OK.**

To Save Your Service

1. To save your service, click **Upload** at the bottom of the Service page.

How to Define a Custom Video Layout for a Service Code

In the Cisco Unified MeetingPlace web meeting room, we support only two video layouts: Continuous Presence and Speaker Only. Therefore, the service code must have only two layouts defined: one with multiple participants and one with only one participant. (Usually, the main layout has multiple participants and the custom layout has only one participant).

Assuming that the main layout is already defined to have multiple participants, you need to define a custom layout with one participant only. Follow these steps to define the custom layout:

Procedure

1. Click the **Services** tab.
2. Double-click the name of the service prefix for which you want to create a custom video layout.
   The Automatic Service Definition page appears.
3. Ensure that the **Support presentation view (H.239)** checkbox is not checked.
4. Click **Advanced Video Settings...**
5. Ensure that the **Enable 3G videophone layout** checkbox is not checked.
6. Check "Enable custom layouts".
7. Click **Settings**.
   The Custom Layout Settings page appears.

8. Under Custom layout 2, for Layout role, enter **Custom layout**. The system displays parameters for the new custom layout.
9. Click **Change**. The Set Max Layout page appears.
10. Select the 1 participant layout and click **OK**.
11. Click **OK**.
12. Download services:
    1. Go into Video Administration.
    2. Click Resource Management on the left.
    3. Click the MCU tab.
    4. Highlight an MCU.
    5. On the Modify MCU page, click **Synchronize**.
13. Update all the terminals. See Uploading the Meeting Types to the Cisco Unified MeetingPlace Servers for information about this.

Configuring NTP on Cisco Unified Videoconferencing MCUs

Network Time Protocol (NTP) must be configured on all MCUs. Perform the following procedure on all MCUs:

To Configure NTP on Cisco Unified Videoconferencing MCUs

1. In the Cisco Unified Videoconferencing Administrator interface, on the sidebar, click **Board**.
2. Make sure the **Basics** tab is selected.
3. Next to the Date/Time field, click **Change**.
4. The Change Time dialog box appears.
5. Select the **NTP enabled** check box.
6. Select the **Synchronize with NTP Server Address** radio button and enter the IP address of a network server clock.
7. Click **Upload**.

Configuring the Cisco IOS H.323 Gatekeeper

The Cisco IOS H.323 Gatekeeper is a neighbor to the Video Administration server internal (ECS) gatekeeper, which was installed with the Video Administration software. All endpoints and Cisco Unified CallManager trunks should be registered to the Cisco IOS H.323 Gatekeeper. All MCUs and ISDN gateways should be registered to the Video Administration's internal (ECS) gatekeeper.

In order for calls to correctly route to the Video Administration ECS gatekeeper, and to the Cisco Unified Videoconferencing MCUs, add a remote zone to your Cisco IOS H.323 Gatekeeper and a route for each service prefix that is configured on the MCUs.

Adding a Remote Zone To Route Video Calls To the Video Administration Internal Gatekeeper

In addition to what is already configured on the Cisco IOS H.323 Gatekeeper, add the following entries:

```
zone remote <VIDEO ADMINISTRATION ZONE> <company.com> <VIDEO
ADMINISTRATION IP

ADDRESS> 1719

zone prefix <VIDEO ADMINISTRATION ZONE> <MCU SERVICE PREFIX>*

lrq forward-queries add-hop-count

no use-proxy <LOCAL ZONE NAME> <VIDEO ADMINISTRATION ZONE> inbound-to
terminal

no use-proxy <LOCAL ZONE NAME> <VIDEO ADMINISTRATION ZONE> outbound-from
terminal
```

* Add this entry for each service prefix that is configured on the Cisco Unified Videoconferencing MCUs.

For more information about routing calls through a Cisco IOS H.323 Gatekeeper, see the *Cisco IOS H.323 Configuration Guide*.

Configuring Video Administration for Cisco Unified MeetingPlace

Video Administration for Cisco Unified MeetingPlace must be installed and configured before installing Cisco Unified MeetingPlace Video Integration. If you have not already done so, do the following tasks on the Video Administration server:

- Install the Video Administration software. Follow the instructions in the Installing the Video Administration for Cisco Unified MeetingPlace Component chapter.
- Add entries for each MCU in your deployment. For details, see the To Add an MCU.
- Add entries for the IOS Gatekeeper in your deployment. For details see the To Add a Gatekeeper/SIP Server.
- Configure Video Terminals. For details see the Using the Terminals Tab.
- Configure Video Meeting Types. Video Meeting Types on the Video Administration server must be synchronized with Service Codes on the Cisco Unified Videoconferencing MCUs. Add video meeting types on the Video Administration server and then download them to the Cisco Unified Videoconferencing MCUs. Alternatively, you can configure the service codes on the Cisco Unified Videoconferencing MCUs first and then upload them to the Video Administration server. For details on configuring service codes on the Cisco Unified Videoconferencing MCUs, see the About Configuring the Cisco Unified Videoconferencing MCU to Use Cisco Unified MeetingPlace. For details on uploading or downloading meeting types on the Video Administration server, see the Meeting Types.
- In order for the audio and video portions of a conference to release ports at the same time, you must configure the Early Mtg Start (min) parameter on the Audio Server to match the Early Meeting Start parameter on Video Administration. To find the Early Mtg Start (min) parameter on the Audio Server, see the To Confirm the Early Meeting Start Parameter on the Audio Server. To configure the

Early Meeting Start parameter on the Video Administration server to match the one on the Audio Server, see the Video Administration Configuration Tool chapter.
- Configure Network Time Protocol (NTP) on the Video Administration Server. See the Configuring Network Time Protocol (NTP).

Configuring the Cisco Unified MeetingPlace Web Conferencing Server

Do the following procedures before you install Cisco Unified MeetingPlace Video Integration:

- To Configure Network Time Protocol (NTP) on the Web Conferencing Server
- To Configure the Video Terminal and Video Meeting Type Synchronization Period

To Configure Network Time Protocol (NTP) on the Web Conferencing Server

1. In the Windows Control Panel, double-click **MeetingPlace Gateways**.
2. Click the Internet Time tab.
3. Check the **Synchronize Server Time with NTP Server** check box.
4. Enter the time that you want the server to synchronize.
5. Click **OK**.
6. Repeat Step 1 through Step 5 on every Web Conferencing server.

To Configure the Video Terminal and Video Meeting Type Synchronization Period

Video terminals and video meeting types are automatically synchronized from Video Administration to Cisco Unified MeetingPlace Web Conferencing servers by the Cisco Unified MeetingPlace Replication Service.

1. Sign in to Cisco Unified MeetingPlace Web Conferencing.
2. From the Welcome page, click **Admin**, then click **Site Administration**.
3. In the View section, click the name of the site that you want to configure.
4. In the Video Terminals/Meeting Types Refresh Period field, enter a value (in days).
5. Click **Submit**.

Configuring the Cisco Unified MeetingPlace Audio Server

Do the following procedures to configure the Cisco Unified MeetingPlace Audio Server:

- To Modify the Translation Table
- About Setting the Audio Codec Negotiation Priority
- To Confirm the Early Meeting Start Parameter on the Audio Server
- To Configure Network Time Protocol (NTP) on the Audio Server

To Modify the Translation Table

1. If your Cisco Unified MeetingPlace system supports IP phones only, you do not need to change the translation table on the Cisco Unified MeetingPlace Audio Server.

If your Audio Server is configured for both PSTN and IP interfaces, and your organization does not have a certified Cisco Unified MeetingPlace technician, contact Cisco Unified MeetingPlace Professional Services to modify the translation table on the Audio Server. For information, contact your Cisco technical support representative.

About Setting the Audio Codec Negotiation Priority

Sound quality and bandwidth use are determined partly by the audio codec that the Cisco Unified MeetingPlace and Cisco Unified Videoconferencing systems use. The video signal of the video endpoint and its audio channel must share available bandwidth. As a result, better picture quality may degrade audio quality or delay audio transmission.

The Cisco Unified MeetingPlace Audio Server supports the G.711 and G.729a compression codecs. To allocate resources between audio and video to best meet your needs, specify a voice data compression protocol on the Audio Server by using the setipcodec command. Use the following guidelines:

- To make more bandwidth available for video, assign G.729 the highest priority.
  Note: If the Audio Server is configured to use only G.729, verify that the Cisco Unified Videoconferencing MCU is configured to support G.729. A transcoder card may be needed.
- For better audio sound quality, assign G.711 the highest priority.

For detailed instructions, see Configuring the Audio Server.

To Confirm the Early Meeting Start Parameter on the Audio Server

In order for the audio and video portions of a conference to release ports at the same time, you must configure the Early Mtg Start (min) parameter on the Audio Server to match the Early Meeting Start parameter on the Video Administration server.

1. Go to the MeetingTime **Configure** tab.
2. Under the Company Specific Information heading, select **Scheduling Parameters**.
3. Scroll down in the panel on the right to the Early Mtg Start (min) field under the Run-time Params heading.
4. Click **Query** to populate the field values.
5. Confirm that the **Early Mtg Start (min)** value is the same value that you entered in Video Administration (see the Configuring Video Administration for Cisco Unified MeetingPlace).

To Configure Network Time Protocol (NTP) on the Audio Server

1. Go to the MeetingTime **Configure** tab.
2. Under the System Configuration heading, select **System Parameters**.
3. In the right hand panel, enter the IP address of the NTP server.
4. Click **Save Changes**.

Configuring Cisco Unified MeetingPlace H.323/SIP Gateway

The Cisco Unified MeetingPlace H.323/SIP Gateway connects the Cisco Unified MeetingPlace system to the network. The H.323/SIP Gateway also initiates the call that connects the Cisco Unified MeetingPlace Audio Server with the Cisco Unified Videoconferencing MCU.

If the H.323/SIP Gateway is not already connected to your network, use the following information to configure all necessary components:

- If your Cisco Unified MeetingPlace system currently supports Cisco IP telephony, you do not need to make further changes to the H.323/SIP Gateway.
- If your network includes Cisco Unified CallManager and you have not yet configured the H.323/SIP Gateway and Cisco Unified CallManager to route calls to each other, see the instructions in Cisco Unified MeetingPlace H.323/SIP IP Gateway, Release 5.3.
- If Cisco Unified CallManager is not part of your network environment, the H.323/SIP Gateway can register itself directly to the H.323 gatekeeper. For instructions on configuring the H.323/SIP Gateway for use with an H.323 gatekeeper, see Cisco Unified MeetingPlace H.323/SIP IP Gateway, Release 5.3. If it is correctly configured, the H.323/SIP Gateway appears in the endpoint registration table in the gatekeeper.

  If your Cisco Unified MeetingPlace system includes more than one H.323/SIP Gateway, and if the gateways are connecting to a gatekeeper, the E.164 number of each H.323/SIP Gateway must be unique. (The E.164 numbers do not need to be unique if they connect to Cisco Unified CallManager.)

Configuring Load-Balancing Configurations for Video Conferencing

In Cisco Unified MeetingPlace deployments for large numbers of users, multiple Cisco Unified MeetingPlace Web Conferencing servers can be configured in clusters, and meetings are distributed among the servers in a cluster. However, you can activate Cisco Unified MeetingPlace Video Integration on only one of those Web Conferencing servers, and meetings that include video conferencing must be held on that server.

Meetings that are scheduled with video ports are automatically held on the server that has Video Integration activated on it. However, in order to ensure that ad-hoc video conferences can occur, configure Web Conferencing so that meetings that are scheduled by users whose profiles allow them to schedule video conferences are always hosted on the server that has Video Integration activated on it.

If your Cisco Unified MeetingPlace system is configured for load balancing, set the system to allow ad-hoc video conferencing.

Note: Do the following procedure even if Video Integration is not installed on a server in a cluster that includes load balancing.

To Configure Load Balancing for Video Conferencing

1. Sign in to the Cisco Unified MeetingPlace Web Conferencing interface by using your system manager password.
2. Click **Admin**.
3. Click **Site Properties**.
4. On the Web Conferencing Administration page for your site, confirm that Allow Web Load Balancing in Ad Hoc Video Meetings is set to **No**.

How Load Balancing Works

If the server with Cisco Unified MeetingPlace Video Integration is not available at the start of a conference, the meeting rolls to another server after 5 times the Load Stats Poll Period value on the Cisco Unified MeetingPlace Web Conferencing Site Administration page. The Load Stats Poll Period parameter defaults to 1 minute. In this situation, video conferencing is not possible, but data and voice conferencing are available as usual.

If you do not set this option to No, all web conferences will be load-balanced. Video conferencing will not be available to conferences that are held on Web Conferencing servers other than the one on which Video Integration is activated.

For general information about load-balancing configurations, see Installing Web Conferencing in a Load Balancing Configuration.

About Installing and Configuring Video Endpoints

Video endpoints are the hardware and software that capture, send, receive, and display video images and audio. They can be either of the following:

- Room-based video systems.
- Desktop video systems (for example, a digital camera that is attached to the computer or IP phone of an individual user, and software to display images on the computer screen).

Cisco Unified MeetingPlace Video Integration supports all video endpoints that are supported by Cisco Unified Videoconferencing MCU version 4.0 or later. SCCP video endpoints (such as Cisco Unified Video Advantage) require Cisco Unified CallManager. ISDN video endpoints require a Cisco Unified Videoconferencing PRI Gateway as part of the Cisco Unified Videoconferencing MCU configuration. All endpoints must be able to participate successfully in a video conference on the Cisco Unified Videoconferencing MCU independently of Video Integration.

If Cisco Unified MeetingPlace Audio Server is configured to use only G.729, make sure your Cisco Unified Videoconferencing MCU supports this protocol.

If an endpoint is correctly configured to work with the Cisco Unified Videoconferencing MCU and configured to optimize audio quality according to the documentation that came with the product, no additional configuration is required for Video Integration. To optimize sound quality, see the troubleshooting tips in the Problems During a Video Conference.

Because SCCP endpoints do not support the H.261 protocol, they support View Multiple People mode only if the Cisco Unified Videoconferencing MCU has an EMP processor and you have configured views on the Cisco Unified Videoconferencing MCU to support Continuous Presence, according to instructions in the To Set Conference View Parameters for Cisco Unified Videoconferencing MCU Release 4.x.

(Optional) Configuring Cisco Unified MeetingPlace for Outlook

If your Cisco Unified MeetingPlace system includes Cisco Unified MeetingPlace for Outlook, do the procedure in this section. If not, skip this section.

Cisco Unified MeetingPlace for Outlook generates meeting notifications that users receive when they are invited to a meeting. These notifications are generated from templates that you can customize.

For complete information about customizing meeting notification templates, see the links on Cisco Unified MeetingPlace for Microsoft Outlook.

When the system includes Cisco Unified MeetingPlace Video Integration, three video-specific templates are used. By default, these templates include parameters for dial in numbers for IP and ISDN video endpoints. They also direct users to join the web conference first, then join the video or voice conference. (This is the preferred method. Users who join the video conference from within the web conference have full access to the video controls and features in the Web Conferencing meeting room.)

You can remove information from meeting notifications that is not applicable, or add special instructions or other information that your users can use to attend conferences that include video.

To Configure Cisco Unified MeetingPlace for Outlook Meeting Notifications

1. Examine the three video-specific notification templates to determine whether they include the information that your video users need.
2. If not, customize the video-related meeting notifications.

(Optional) Configuring Cisco Unified MeetingPlace for Lotus Notes

If your Cisco Unified MeetingPlace system includes Cisco Unified MeetingPlace for Lotus Notes, do the procedure in this section. If not, skip this section.

The following steps provide a general overview. For complete instructions, see Cisco Unified MeetingPlace for IBM Lotus Notes, Release 6.1.

To Configure Cisco Unified MeetingPlace for Lotus Notes

1. Configure the video-related settings in the MeetingPlace Server Agent database (MPSA.nsf):
   - On the MeetingPlace Functionality Settings page, configure the **Hide # of Video Callers** field and **Make Meetings Web Only**.
   - On the MeetingPlace Scheduling Parameters page, configure the **# of Video Ports to Schedule** field.

Configuring Cisco Unified CallManager

If your environment does not include Cisco Unified CallManager, skip this section and follow instructions in the Configuring Cisco Unified MeetingPlace H.323/SIP Gateway to route calls to and from Cisco Unified MeetingPlace via the H.323 gatekeeper.

If your environment includes Cisco Unified CallManager, set up Cisco Unified CallManager to route calls between the components that are involved in integrating video conferencing with Cisco Unified MeetingPlace.

There are many ways to set up Cisco Unified CallManager to work with Cisco Unified MeetingPlace Video Integration. For example, you can use the guidelines in the *Cisco IP Video Telephony Solution Reference Network Design* to set up Cisco Unified CallManager to route all calls, or you can follow the example in this section to have the gatekeeper route H.323 calls. The best solution will depend on your network environment and requirements. Determining the best configuration of Cisco Unified CallManager for your network is beyond the scope of this document; see the documentation for Cisco Unified CallManager or contact your Cisco technical support representative.

Note: If your Cisco Unified MeetingPlace H.323/SIP Gateway is not yet configured for use with Cisco Unified CallManager, see Cisco Unified MeetingPlace H.323/SIP IP Gateway, Release 5.3.

Do the following procedures to configure Cisco Unified CallManager, in the order presented:

- To Set Up Cisco Unified CallManager When Using a Gatekeeper to Route Calls
- To Gather Configuration Values
- To Add an H.323 Gatekeeper
- To Create an H.225 Trunk for the IOS Gatekeeper

- To Add Route Patterns to Route Calls to the Video Administration for Cisco Unified MeetingPlace and Cisco Unified Videoconferencing MCUs

To Set Up Cisco Unified CallManager When Using a Gatekeeper to Route Calls

1. Create a gatekeeper device that points to the IOS gatekeeper that routes to the internal gatekeeper that is associated with Cisco Unified MeetingPlace Video Administration.
2. Create an H.225 (Gatekeeper Controlled) trunk for accessing the IOS Gatekeeper.
3. Create route patterns to route calls to the H.225 (Gatekeeper Controlled) trunk for the Cisco Unified Videoconferencing MCUs.

To Gather Configuration Values

1. Make a note of the following:
   - The IP address or hostname of the IOS (H.323) gatekeeper.
   - All of the service codes for Cisco Unified MeetingPlace conferences that you specified in the Cisco Unified Videoconferencing MCU.

To Add an H.323 Gatekeeper

1. Launch and log in to the Cisco Unified CallManager Administration interface.
2. Choose **Device > Gatekeeper**.
3. Click **Add a New Gatekeeper**.
4. Enter options as specified in the following table:

Field	Value
Host Name / IP Address	IP address of the IOS gatekeeper that is in a neighborhood with the Video Administration internal gatekeeper.
Description	A name that identifies this gatekeeper.
Enable Device	Check the check box.
Other options	Values as appropriate for your environment.

5. Click **Insert**.

To Create an H.225 Trunk for the IOS Gatekeeper

1. From the Cisco Unified CallManager Administration menu bar, choose **Device > Trunk**.
2. Click **Add a New Trunk**.
3. For Trunk Type, choose **H.225 (Gatekeeper Controlled)**.
4. Click **Next**.
5. Enter options as specified in the following table:

Field	Value
Device Name	A name that identifies this trunk.
Description	A descriptive name for this trunk that connects to your IOS gatekeeper.
Retry Video Call as Audio	Check the check box.
Wait for Far End H.245 Terminal Capability Set	Uncheck the check box.
Gatekeeper Name	Select the IOS H.323 Gatekeeper that was configured in the To Add an H.323 Gatekeeper.
Terminal Type	Gateway.
Technology Prefix	The prefix or pattern that will route calls to Cisco Unified CallManager from the gatekeeper.
Other parameters	Values as appropriate for your environment.

6. Click **Insert**.

7. Click **OK**.

8. Click **Reset Trunk**.

To Add Route Patterns to Route Calls to the Video Administration for Cisco Unified MeetingPlace and Cisco Unified Videoconferencing MCUs

1. From the Cisco Unified CallManager Administration menu bar, do one of the following:
   - In Cisco Unified CallManager 4.0, choose **Route Plan > Route Pattern/Hunt Pilot**.
   - In Cisco Unified CallManager 4.1, choose **Route Plan > Route /Hunt > Route Pattern**.
   - In Cisco Unifed Communication Manager 5.x and 6.1, choose **Route Plan > Route /Hunt > Route Pattern**.
2. Click **Add a New Route Pattern/Hunt Pilot**.
3. Enter options as specified in the following table:

Parameter	Value
Route Pattern/Hunt Pilot	The MeetingPlace service prefix you defined on the Cisco Unified Videoconferencing MCU, followed by an exclamation point (**!**).
Description	A name that describes this route pattern.
Cisco Unified CallManager 4.0: Gateway or Route/Hunt List Cisco Unified CallManager 4.1: Gateway or Route List	The IP address or hostname of the H225 Trunk (Gatekeeper Controlled) that you created.
Provide Outside Dialtone	Uncheck this check box.
Other parameters.	Values as appropriate for your environment.

4. Click **Insert**.

5. Repeat Step 2 through Step 4 for each service code you defined on the Cisco Unified Videoconferencing MCU.

Preparing to Install the Video Integration with DMZ Configurations

A DMZ is an area on the corporate network that is outside the corporate firewall. In order to allow external participants to attend Cisco Unified MeetingPlace conferences without compromising security, one or more Cisco Unified MeetingPlace Web Conferencing servers are deployed behind the firewall, and one or more Web Conferencing servers are deployed in a DMZ. These configurations are called Segmented Meeting Access (SMA) configurations; see Installing Web Conferencing for a Segmented Meeting Access Configuration.

Cisco Unified MeetingPlace Video Integration must be activated on one and only one server on which Web Conferencing is installed:

- If it is activated behind the firewall, only internal participants can attend video conferences.
- If it is activated in the DMZ, external participants can also attend.

Use the following information to determine whether you will activate Video Integration behind the firewall or in the DMZ:

- If you want to host video conferences in the DMZ, you must install Video Integration on all Web Conferencing servers inside and outside the corporate firewall so that scheduling of meetings can be done from any Web Conferencing server. Activate only one Web Conferencing server in the DMZ area to host video conferences.
- If Video Integration is activated in the DMZ, meeting schedulers must allow Internet access for all conferences that will include video, even if only internal participants will attend. The web and video conferences will be held on the server in the DMZ.
- If Video Integration is activated in the DMZ, and if the Video Administration for Cisco Unified MeetingPlace server is installed behind the firewall, open TCP port 3336 and 8080 through the firewall to allow you to connect Video Integration to the Video Administration server. (If you are running in secure mode, open port 8443 instead of 8080).
- If Video Integration is activated behind the firewall in a DMZ configuration, users cannot include video conferencing in a meeting that also includes Web Conferencing participants who are outside the firewall.
- Additional caveats apply. See the Important Information About DMZ Configurations and Video Conferencing.

Gathering Installation Values

You need to know the following in order to install Cisco Unified MeetingPlace Video Integration:

Item	Value
Determine which Web Conferencing server will host video conferences.	

To enable scheduling of video conferences, Cisco Unified MeetingPlace Video Integration must be installed on all Web Conferencing servers, but only one of the Web Conferencing servers can host video conferences.	
IP address or host name of the Video Administration for Cisco Unified MeetingPlace server.	—
The E.164 number or numbers assigned to the Cisco Unified MeetingPlace H.323/SIP Gateway. If more than one Cisco Unified MeetingPlace H.323/SIP Gateway is connected to the same Cisco Unified MeetingPlace Audio Server, each IP Gateway must have a unique E.164 number. List up to five E.164 numbers, each separated by a semicolon (**;**).	—
The account user name and password on the Video Administration for Cisco Unified MeetingPlace server that Video Integration will use to control video conferences.	—

Installing Cisco Unified MeetingPlace Video Integration

Cisco Unified MeetingPlace Video Integration must be installed on each Cisco Unified MeetingPlace Web Conferencing server.

To Install Cisco Unified MeetingPlace Video Integration on Each Web Conferencing Server

1. Verify that you have completed all prerequisite tasks documented in this chapter.
2. Verify that Cisco Unified MeetingPlace is not in use. The Video Integration installer will stop the Web Conferencing master service and all subordinate services.
3. Verify that the current version of Web Conferencing is installed on the server.
4. Verify that the Video Administration server and the Cisco Unified Videoconferencing MCUs are available on the network (reachable via IP addresses).
5. Insert the **Cisco Unified MeetingPlace Video Integration CD**.
6. Run the **Cisco Unified MeetingPlace Video Integration Setup.exe** and follow the prompts. Enter the values that you collected in the Gathering Installation Values. Check the Host Video Conferences check box on only one Web Conferencing server.
7. All Cisco Unified MeetingPlace services will restart automatically after the installation is complete. Click **Refresh** in the Services window to update the view.
8. To verify that your system is configured correctly, click the orange **Cisco Unified MeetingPlace** icon in the system tray at the bottom of the computer screen and choose **Eventlog**.

   If the installation is configured properly, the following message appears:

   ```
   Cisco MeetingPlace Video Integration ->
   CConferenceTechnologyProvider::initialize()
   STATUS: Cisco MeetingPlace Video Integration READY to receive
   requests from MPAgent.
   ```
9. Configure parameters as specified in the following table:

Parameter	See

The default video service code for video conferences.	Table: Video Conferencing Access Information, Table: Video Conferencing Access Information
If your Cisco Unified Videoconferencing system supports ISDN endpoints, configure the video phone number.	Table: Video Conferencing Access Information, Table: Video Conferencing Access Information
The maximum number of video ports that users can schedule for a conference.	Table: Conference and Port Parameters, Table: Conference and Port Parameters
The default number of video ports to schedule for each conference.	Table: Conference and Port Parameters, Table: Conference and Port Parameters
User profiles.	About Managing User Profiles for Video Use
Video terminal profiles.	About Video Terminal Profiles

10. Install on each Cisco Unified MeetingPlace Web Conferencing server.

Upgrading Cisco Unified MeetingPlace Video Integration to Release 6.0

Restrictions for Upgrading to Cisco Unified MeetingPlace Video Integration Release 6.0

- You must install and configure the Video Administration for Cisco Unified MeetingPlace software on a separate MCS server before upgrading to Cisco Unified MeetingPlace Video Integration Release 5.4. For more information, see Installing the Video Administration for Cisco Unified MeetingPlace Component, and Configuring Video Administration for Cisco Unified MeetingPlace.
- Cisco Unified MeetingPlace Video Integration must be installed on every Cisco Unified MeetingPlace Web Conferencing server to allow for scheduling of video conferences from any Web Conferencing server.
- Only one Video Integration can be activated to host video conferences.
- For information on compatibility to other Cisco Unified MeetingPlace components, see the Compatibility Matrix.
- We do not support upgrading to Release 6.0 by using Terminal Services.
- You can upgrade to Release 6.0 from Release 5.4 only.

To Upgrade to Cisco Unified MeetingPlace Video Integration Release 6.0

1. Read Upgrading to Cisco Unified MeetingPlace Release 6.1 to be sure you are upgrading this product in the correct order relative to other products in the Cisco Unified MeetingPlace system.
2. Read the Restrictions for Upgrading to Cisco Unified MeetingPlace Video Integration Release 6.0.
3. Install the Video Administration for Cisco Unified MeetingPlace software by following the instructions in Installing the Video Administration for Cisco Unified MeetingPlace Component.
4. Read the Before You Install, paying special attention to the following:
    1. On the Cisco Unified Videoconferencing MCUs, change the External Conference Authorization Policy parameter to **None**. For more details, see the About Configuring the Cisco Unified Videoconferencing MCU to Use Cisco Unified MeetingPlace.
    2. Follow all of the instructions in the Configuring the Cisco IOS H.323 Gatekeeper.
    3. Follow all of the instructions in the Configuring the Cisco Unified MeetingPlace Web Conferencing Server.

4. Enable NTP and configure the Early Start Time on the Audio Server. For more details, see the Configuring the Cisco Unified MeetingPlace Audio Server.
5. Run the Cisco Unified MeetingPlace Video Integration Setup program and follow the installation process described in the Installing Cisco Unified MeetingPlace Video Integration.

Uninstalling Cisco Unified MeetingPlace Video Integration

To uninstall Cisco Unified MeetingPlace Video Integration, use Add/Remove Programs in the Control Panel, or run the installer again.

The uninstall process will automatically stop the Cisco Unified MeetingPlace Web Conferencing service and other Cisco Unified MeetingPlace services, including the Video Integration service.

If you plan to reinstall Web Conferencing and Video Integration, uninstall Video Integration first; then uninstall Web Conferencing.

All services will automatically start again when the uninstallation is complete.