Main page: Cisco Unified MeetingPlace, Release 7.0

Up one level: Planning Your Deployment

Contents

About the Hardware for the Cisco Unified MeetingPlace Release 7.0 System

Every Cisco Unified MeetingPlace Release 7.0 deployment uses two types of hardware servers, as listed in the following table:

Cisco Unified MeetingPlace component	Hardware used	For more information, see
Application Server	Cisco MCS	Cisco Media Convergence Servers (MCSs)
Web Servers	Cisco MCS	Cisco Media Convergence Servers (MCSs)
Media Server	Cisco 3500 Series	Cisco 3500 Series Media Servers

Integrations	Cisco MCS	Cisco Media Convergence Servers (MCSs)

Cisco Media Convergence Servers (MCSs)

The Cisco Unified MeetingPlace Release 7.0 system requires Cisco Media Convergence Servers (MCSs) for the following:

- Application Server
- Web Servers, including any additional servers used for failover or load balancing. A maximum of 3 internal and 3 external web servers are supported per deployment for capacity scaling and redundancy for active web conferences.
- Integrations. The system can have a maximum of 16 integration servers.

The Cisco MCS that hosts the Application Server has a Cisco-based Linux operating system, while all other Cisco MCSs used for Cisco Unified MeetingPlace Release 7.0 are Windows-based.

Related Topics

- For complete information about the Cisco MCSs, see the following: http://www.cisco.com/en/US/products/hw/voiceapp/ps378/tsd_products_support_series_home.html
- For information on how to install the Cisco Unified MeetingPlace Release 7.0 system onto these servers, see Installing Cisco Unified MeetingPlace, Release 7.0.

Cisco 3500 Series Media Servers

The Cisco Unified MeetingPlace Release 7.0 system requires at least one Cisco 3500 Series Media Server to host the Cisco Unified MeetingPlace Media Server. The Cisco Unified MeetingPlace Release 7.0 system can accommodate a maximum of eight Cisco 3500 Series Media Servers.

The Media Server is comprised of at least one Audio Blade and optional Video Blades. There are two types of Cisco 3500 Series Media Server:

- Cisco Unified MeetingPlace 3515 Media Server
- Cisco Unified MeetingPlace 3545 Media Server

The Cisco Unified MeetingPlace 3515 Media Server is delivered with a predetermined number of ports. The

Cisco Unified MeetingPlace 3545 Media Server can be configured to support a wide range of audio and/or video ports. You can mix and match Cisco Unified MeetingPlace 3515 Media Server and Cisco Unified MeetingPlace 3545 Media Servers, so for example, you could add more video to a Cisco Unified MeetingPlace 3515 Media Server-based system by adding a Cisco Unified MeetingPlace 3545 Media Server chassis plus a Cisco Unified MeetingPlace 3545 Media Server Video Blade.

Cisco Unified MeetingPlace 3545 Media Server Port Capacity

The Cisco Unified MeetingPlace 3545 Media Server includes two types of blades:

- Cisco Unified MeetingPlace Audio Blade-A blade that is responsible for the signaling and the audio. When working alone, this blade can support 250 audio ports if using the G.711 and G.729 codecs or 166 audio ports if using G.711, G.722, G.729, and iLBC. The Cisco Unified MeetingPlace Audio Blade has no video capabilities.

- Cisco Unified MeetingPlace Video Blade-A video processing blade that can support 48 "Standard Rate" video ports (up to 384 Kbps) or 24 "High Rate" video ports (up to 2 Mbps). Using multiple video blades(cascading) reduce capacity to 20 high-rate or 40 desktop-rate video ports per blade.

Cisco Unified MeetingPlace 3515 Media Server Port Capacity

The Cisco Unified MeetingPlace 3515 Media Server is exactly equivalent in terms of capacity to a Cisco Unified MeetingPlace 3545 Media Server with one Audio Blade and one Video Blade: 250 audio ports and 24/48 video ports.

Related Topics

- For more information about the Cisco 3500 Series Media Server, see the following: http://www.cisco.com/en/US/products/hw/video/ps1870/tsd_products_support_series_home.html

- For information on how to install the Cisco Unified MeetingPlace Release 7.0 system onto these servers, see Installing Cisco Unified MeetingPlace, Release 7.0.

Locations for the Hardware

The Application Server and the Media Server must be collocated. The Web Servers may be located away from the Application Server and Media Server; however, you must ensure that there is continuous WAN connectivity.

If your system employs a redundant Application Server, the standby Application Server may be located remotely.

The Application Server and the Media Server must have no latency and must be on the same LAN segment. Latency impacts the voice quality and the user experience.

Recommendations for Selecting the Voice and Video Conferencing Hardware for your System

The Audio Blades in the Cisco 3500 Series Media Server control the voice conferencing and the Video Blades in the Cisco 3500 Series Media Server control the video conferencing.

For Cisco Unified MeetingPlace Release 7.0, you can reuse *Video Blades* from other Cisco 3500 Series Media Servers. Cisco Unified MeetingPlace Release 7.0 supports all Video Blades that are version 5.x or higher except for the Cisco 3515 MCU 12. So a Video Blade in a Cisco Unified MeetingPlace Release 5.4 or Release 6.0 system can be reused in a Release 7.0 system.

Note: Cisco Unified MeetingPlace Release 7.0 does not allow you to reuse *Audio Blades* from older systems.

You can attach a maximum of four Video Blades to an Audio Blade. For a balanced system, associate the Video Blades evenly among the Audio Blades.

In an unbalanced system, some Audio Blades do not have Video Blades associated with them. In this scenario, the Audio Blade cannot participate in a video-enabled meeting - even if the meeting has no video callers. In an unbalanced system with many video-enabled meetings, the Audio Blades associated with Video Blades carry a disproportionate fraction of the system load. When those blades fill up, participants are unable to enter a meeting even if other voice ports are unused.

Recommendations for Selecting the Web Conferencing Hardware for your System

Note: Meetings that use Cisco WebEx do not use Cisco Unified MeetingPlace web licenses or ports.

The Windows-based Cisco MCS controls the web conferencing. There are different models of Cisco MCS that can be used with the Cisco Unified MeetingPlace Release 7.0 system.

For a Cisco Unified MeetingPlace Release 7.0 system that has two Cisco MCS 7835 servers (one for the

Application Server and one for the Web Server) and each Cisco MCS 7835 has at least 4 Gb of memory, the system maximum capacity is 500 voice, 500 web, and 160 video users.

The Cisco MCS 7845 has a greater capacity and can support 1000 web conferencing ports by using two Web Servers (500 ports maximum per server).

Recommendations for Selecting the Hardware for your System Integrations

The Cisco Unified MeetingPlace system supports a number of integrations and gateways. Use the information in this section to help you decide which integrations to install on your system and which hardware to use for each.

Note: Each server in the system can only support one e-mail gateway at a time; however, a Cisco Unified MeetingPlace Release 7.0 system can have both Cisco Unified MeetingPlace for IBM Lotus Notes and Cisco Unified MeetingPlace for Microsoft Outlook, as long as they reside on different servers.

Cisco Unified MeetingPlace for Cisco Unified MeetingPlace for IBM Lotus Notes Integration

Cisco Unified MeetingPlace for Cisco Unified MeetingPlace for IBM Lotus Notes integrates the Cisco Unified MeetingPlace system with your IBM Lotus Domino Server. This integration allows end users to schedule and attend Cisco Unified MeetingPlace meetings by using their Cisco Unified MeetingPlace for IBM Lotus Notes clients as well as to receive e-mail notifications for meetings to which they have been invited. End users can choose to accept meeting invitations and have meetings automatically display in their Cisco Unified MeetingPlace for IBM Lotus Notes calendars, or decline the invitations if they cannot attend the meetings.

The Cisco Unified MeetingPlace for Cisco Unified MeetingPlace for IBM Lotus Notes integration enables end users to perform the following tasks:

- Schedule Cisco Unified MeetingPlace meetings from their Cisco Unified MeetingPlace for IBM Lotus Notes calendars.
- Reschedule and delete Cisco Unified MeetingPlace meetings.
- Receive e-mail notifications for Cisco Unified MeetingPlace meetings, including update notifications for rescheduled meetings, which they can accept or decline.
- Attend Cisco Unified MeetingPlace meetings using click-to-attend web links in their meeting notifications or by clicking a Connect button in their Cisco Unified MeetingPlace for IBM Lotus

Notes calendar entries.

- Change their Cisco Unified MeetingPlace user passwords (by using the Tools > Preferences menu option).

The Cisco Unified MeetingPlace for Cisco Unified MeetingPlace for IBM Lotus Notes integration is installed on a Cisco MCS or Microsoft Windows server.

Related Topics

For information on installing and configuring the Cisco Unified MeetingPlace for IBM Lotus Notes gateway, see Integrating with IBM Lotus Notes.

Cisco Unified MeetingPlace for Microsoft Outlook Integration

Cisco Unified MeetingPlace for Microsoft Outlook integrates the Cisco Unified MeetingPlace system with your Microsoft Exchange server. This integration allows end users to schedule and attend Cisco Unified MeetingPlace meetings by using their Microsoft Outlook clients as well as to receive e-mail notifications for meetings to which they have been invited. End users can choose to accept meeting invitations and have those meetings automatically display in their Microsoft Outlook calendars, or decline the invitations if they cannot attend the meetings.

A full installation of the Cisco Unified MeetingPlace for Microsoft Outlook integration enables end users to perform the following tasks:

- Schedule Cisco Unified MeetingPlace meetings from their Microsoft Outlook calendar.
- Reschedule and delete Cisco Unified MeetingPlace meetings.
- Receive Microsoft Outlook calendar notifications for Cisco Unified MeetingPlace meetings, including update notifications for rescheduled meetings, which they can accept or decline.
- Attend Cisco Unified MeetingPlace meetings using click-to-attend web links in their meeting notifications or by clicking a Connect button in their Microsoft Outlook calendar entries.

Cisco Unified MeetingPlace Release 7.0.1

For Cisco Unified MeetingPlace Release 7.0.1, you can optionally choose to install only part of the Cisco Unified MeetingPlace for Microsoft Outlook integration:

- The "front-end deployment" allows users to schedule Cisco Unified MeetingPlace meetings from Microsoft Outlook. To do this, you must make the Cisco Unified MeetingPlace plug-in for Microsoft Outlook available for installation on the PCs of all Microsoft Outlook users that are connected to

your Microsoft Exchange Server.

- The "back-end deployment" allows users to schedule Cisco Unified MeetingPlace meetings only from the Cisco Unified MeetingPlace End-User Interface and not from Microsoft Outlook. However, they can still receive notifications from Microsoft Outlook.

For Cisco Unified MeetingPlace Release 7.0.1, the Cisco Unified MeetingPlace for Microsoft Outlook integration is installed on a Cisco MCS or Microsoft Windows server.

Related Topics

For information on installing and configuring the Microsoft Outlook gateway for Cisco Unified MeetingPlace Release 7.0.1, see Integrating with Microsoft Outlook.

Cisco Unified MeetingPlace Release 7.0.2

For Cisco Unified MeetingPlace Release 7.0.2, you do not have the option to install only part of the Cisco Unified MeetingPlace for Microsoft Outlook integration. You automatically install the full integration when you install the Application Server.

For Cisco Unified MeetingPlace Release 7.0.2, the Cisco Unified MeetingPlace for Microsoft Outlook integration is installed on the Cisco Unified MeetingPlace Application Server.

Related Topics

For information on installing and configuring the Microsoft Outlook gateway for Cisco Unified MeetingPlace Release 7.0.2, see Installing Cisco Unified MeetingPlace, Release 7.0.

Cisco Unified MeetingPlace for Jabber Messenger Integration

With the Cisco Unified MeetingPlace for Jabber Messenger integration, end users can initiate Cisco Unified MeetingPlace meetings from their Jabber Messenger clients. The meeting initiator selects invitees from a list of contacts and invites them to the meeting. The system sends an instant message that contains a hypertext meeting ID link to each invitee. To join the meeting, invitees click the hyperlink.

The Cisco Unified MeetingPlace for Jabber Messenger integration is installed on a Cisco MCS or Microsoft Windows server. The Jabber XCP Server is installed on a separate server.

Related Topics

For information on installing and configuring the Jabber gateway, see Integrating with Jabber.

Cisco Unified MeetingPlace for Microsoft Office Communicator Integration

With the Cisco Unified MeetingPlace for Microsoft Office Communicator integration, end users can initiate and control Cisco Unified MeetingPlace voice meetings from their Microsoft Office Communicator clients by using the Microsoft Live Communications Server (LCS).

The Cisco Unified MeetingPlace for Microsoft Office Communicator integration is installed on a Cisco MCS or Microsoft Windows server. The Microsoft Live Communications Server (LCS) is installed on a separate server.

Related Topics

For information on installing and configuring the Cisco Unified MeetingPlace for Microsoft Office Communicator integration, see Integrating with Microsoft Office Communicator.

IBM Lotus Sametime Instant Messaging Click-to-Conference with Cisco Unified MeetingPlace Integration

With the Cisco Unified MeetingPlace Click-to-Conference with IBM Lotus Sametime Instant Messaging integration, end users can initiate Cisco Unified MeetingPlace meetings from their IBM Lotus Sametime Version 7.5.1 clients.

The Cisco Unified MeetingPlace Click-to-Conference with IBM Lotus Sametime Instant Messaging integration is installed on a Cisco MCS or Microsoft Windows server.

Related Topics

For information on installing and configuring the Cisco Unified MeetingPlace Click-to-Conference with IBM Lotus Sametime Instant Messaging integration, see Integrating with IBM Lotus Sametime Instant Messaging.

IBM Lotus Sametime Web Conference with Cisco Unified MeetingPlace Integration

With the Cisco Unified MeetingPlace for IBM Lotus Sametime Web Conference integration, you can provide Sametime users with integrated web and audio conferencing capabilities. The Sametime infrastructure provides the web conference, and Cisco Unified MeetingPlace serves as the audio bridge. Users schedule and attend meetings from the Sametime Meeting Center, and the Sametime Meeting Room provides the integrated roster and in-session controls.

With this integration, a Sametime Connect client can start an instant meeting, and invitees receiving the meeting invitation can join the meeting in the Sametime Web Meeting Room and receive audio through Cisco Unified MeetingPlace.

The Cisco Unified MeetingPlace for IBM Lotus Sametime Web Conference installer is part of the Cisco Unified MeetingPlace Application Server software. After installing the Cisco Unified MeetingPlace Application Server, download the Cisco Unified MeetingPlace for IBM Lotus Sametime Web Conference installer from the Application Server Administration Center and run the installer on the IBM Lotus Sametime server.

Related Topics

For information on installing and configuring the IBM Lotus Sametime Web Conference with Cisco Unified MeetingPlace integration, see Integrating with IBM Lotus Sametime Web Conference.