Rich-Media Collaboration for Cisco Unified Communications

Cisco® Unified Communications Solutions enable collaboration so that organizations can quickly adapt to market changes while increasing productivity, improving competitive advantage through speed and innovation, and delivering a rich-media experience across any workspace, securely and with optimal quality.

With Cisco Unified Communications, your organization can easily integrate rich-media collaboration in your business to more effectively interact with virtual teams all over the world. You can simply transition across and between applications, such as presence, instant messaging, IP telephony, unified messaging, and rich-media collaboration as interactions warrant, independent of where you are or what device you use. These capabilities allow you to excel in today's fast-paced world and give you the agility your business needs to innovate and make decisions faster.

Cisco Unified MeetingPlace® conferencing is a rich-media collaboration solution within Cisco Unified Communications. It delivers an exceptional user experience with integrated voice, video, and web collaboration (Figure 1) and industry-leading setup, attendance, and in-meeting controls. You can realize significant cost savings and security by deploying the solution on-premises, over your IP network. In addition, Cisco Unified MeetingPlace extends the value of Cisco WebEx™ Meeting Center with integrated, on-premises voice conferencing.

Figure 1. Voice, Video, and Web Collaboration Session

Product Overview

Improved Productivity and Accelerated Business Speed and Reach

Cisco Unified MeetingPlace conferencing supports today's global, real-time organizations by promoting effective communication and collaboration – allowing people to meet at any time from anywhere without the expense and inefficiencies of traveling. You can expand your organization's reach, improve its operational effectiveness, and speed decision making by integrating voice, video, and web collaboration into everyday communications and reducing distance as a constraint to deploying expertise. The ability for meeting participants to view other participants; read their body language; and share applications, presentations, and documents all contributes to effective remote meetings, whether the meeting is a sales demonstration, training application, project team meeting, or customer support interaction.

Superior Cost-Effectiveness and Enterprise Security

The Cisco Unified MeetingPlace solution is deployed on premises and integrated with your organization's internal IP networks. On-premises deployment facilitates cost savings because it can reduce conferencing-related transport costs and services fees. It also results in a highly secure meeting environment. Cisco Unified MeetingPlace conferencing allows you to isolate confidential meetings and content behind your firewall for secure data transport and still have flexibly to set up Internet-accessible meetings with external parties.

Deployment Flexibility: On-Premises Voice Conferencing for Cisco WebEx Meeting Applications

You can deploy the Cisco Unified MeetingPlace solution as a complete on-premises voice, video, and web conferencing solution or integrate it with Cisco WebEx web conferencing services. These solutions together combine the cost savings advantages of on-premises voice conferencing with the productivity benefits of on-demand web conferencing delivered over the globally available Cisco WebEx MediaTone® network. The solution components are tightly integrated so you can experience the simplicity of having a single point of setup, attendance, and meeting control for all of your voice and web conferences.

Simple Rich-Media Conference Setup, Attendance, and Management

Cisco Unified MeetingPlace conferencing is integrated with multiple applications and devices to enable you to better integrate conferencing into your business processes. Intuitive interfaces make setting up, attending, and managing meetings easy. Industry-standard protocols are supported to enable meeting attendance from virtually any phone and video application or endpoint. And you can access web meetings quickly and simply from multiple platforms without downloading any software. You have total control over your voice, video, and web conference from a single browser interface. The solution has unified voice and video capabilities so meeting access and in-meeting features are consistent across voice and video. This simple-to-use model eliminates traditional barriers to rich-media conferencing, leading to quick adoption and realization of productivity benefits.

Features and Benefits

Tightly Integrated Rich-Media Conference Setup and Attendance

Cisco Unified MeetingPlace conferencing supports multiple interfaces for initiating impromptu meetings or scheduling future rich-media conferences. In a single step, meeting organizers can setup voice, video, and web resources through a web interface, touch-tone or Cisco Unified IP

Phone, and Microsoft Outlook or IBM Lotus Notes calendar. Meeting invitees automatically receive notification by email or calendar invitation. Video setup includes the ability to reserve video bridge resources and to search for, check availability of, and schedule specific video terminals that automatically connect when the meeting starts. This simple approach saves time and improves productivity.

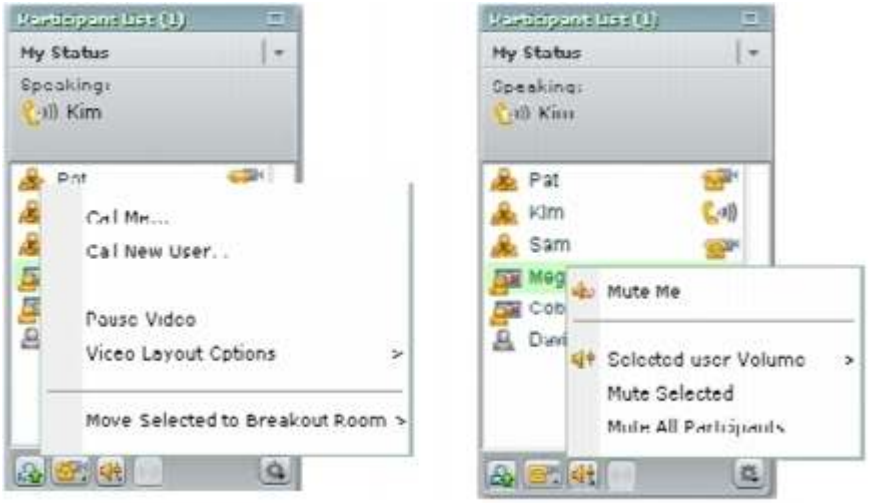
Attending a rich-media conference is as simple as clicking a mouse. Cisco Unified MeetingPlace conferencing launches the web conference and dials out to your voice or video endpoint, or you can dial into your meeting. Voice and video users dial the same number and the system connects them based on the capabilities of their endpoint. The system can also recognize the phone numbers of users with a profile and automatically connect them to their meeting when they dial in. Simplifying and automating conference attendance means that meetings start on time and frequent conferencing frustrations are eliminated.

Cisco Unified MeetingPlace conferencing also allows you to initiate meetings from instant messaging and communications clients such as Cisco Unified Personal Communicator, Lotus Sametime, Microsoft Office Communicator, and Jabber Messenger. This capability promotes collaboration by making impromptu rich-media conferences easy to initiate and join. Being able to view a person's availability and easily enter into a voice, video, or web conference or being able to instantly share a document while on a phone call can enable users to speed business processes by engaging subject matter experts and collaborating effectively without the typical delays.

Advanced Rich-Media Conference Capabilities and Control

Cisco Unified MeetingPlace conferencing tightly integrates voice, video, and web conferencing capabilities for highly engaging and productive virtual meetings and interactions. The solution meets a wide range of conferencing needs, including collaborative meetings, presentations, training, and webcasts. Preconfigured meeting templates are optimized to support specific application needs and user roles. Participants can share presentations, desktop applications, and multimedia content, and conduct effective collaborative meetings (Figure 2).

Figure 2. Advanced Rich-Media Conference Control



Cisco Unified MeetingPlace conferencing provides industry-leading in-meeting controls within the web conference. Without disrupting a meeting, you can know who else is attending, how they are attending (voice, video, or web), who is speaking, and who is sharing. To help ensure that meetings run smoothly, if you have the appropriate permissions you can control a broad range of

meeting characteristics, including speaking and web sharing rights. You can control your own meeting environment, including muting and unmuting your phone, modifying your video layout, and moving into private discussions. If you want to leave or are ejected from a meeting, all media types – voice, video, and web – are disconnected simultaneously. Having access to these integrated meeting controls allows meeting moderators to minimize disruptions and make virtual meetings natural and effective.

Integrated Video Capabilities

Cisco Unified MeetingPlace conferencing provides a fully integrated voice and video architecture that results in an effective and easy-to-use video experience. The solution supports a wide range of video compression standards, codecs, continuous-presence features, and video resolutions at high performance levels and in any combination, without adversely affecting the capacity of the product. The two primary video modes supported include:

- High-quality standard-definition (SD) video conferencing: Any SD endpoint can connect to any conference, at any supported bit rate, with any supported video codec SD resolution. The Cisco Unified MeetingPlace application automatically implements video transcoding and connection-speed transrating that allow different SD endpoints to connect with their preferred codec and connection speed. This approach helps ensure an optimal video and audio experience for each participant without sacrificing scalability or performance. The encoder-per-port hardware architecture significantly reduces planning, provisioning, and scheduling requirements by eliminating the need to define or limit the bit rates, video formats, and conference features that video conferencing endpoints and conference participants can use.
- High-capacity personal video conferencing: Cisco Unified MeetingPlace conferencing has exceptional flexibility for desktop video conferencing endpoints that do not require high connection rates. This configuration option doubles the capacity of each video blade and provides cost-effective desktop video and video telephony deployments.

Rich-Media Conference Recordings

Cisco Unified MeetingPlace conferencing supports voice, video, and web conference recording. You can play back synchronized web and audio sessions through web browsers or synchronized audio and video recordings through Apple QuickTime. Audio-only recordings are available in multiple formats, including Waveform Audio (WAV), MPEG Layer 3 (MP3), and Windows Media.

Enterprise-Class Conferencing Platforms

Cisco Unified MeetingPlace conferencing is an enterprise-class conferencing solution with proven global deployments in Fortune 500 companies. With carrier-grade hardware and advanced system software, the solution delivers the scalability, reliability, simplified administration, security, and cost-effectiveness that IT organizations require.

Cisco Unified MeetingPlace Hardware Platforms

You can scale your deployment depending on your use patterns. The hardware platforms required include the following:

- Cisco Unified MeetingPlace 3515 and MeetingPlace 3545 Media Servers for audio and video media mixing
- Cisco MCS 7835 or MCS 7845 Media Convergence Server for the Cisco Unified MeetingPlace application and web conferencing software packages

Figure 3 shows the Cisco Unified MeetingPlace 3500 Series audio and video media server platforms.

Figure 3. Cisco Unified MeetingPlace 3515 and MeetingPlace 3545 Audio and Video Servers

Tables 1 and 2 list product specifications for the Cisco Unified MeetingPlace 3545 and MeetingPlace 3515 Media Server platforms, respectively. Table 3 lists the media convergence server models that Cisco Unified MeetingPlace 7.0 supports.

Table 1. Cisco Unified MeetingPlace 3545 Media Server Specifications

Part Number	Description	Features
MP-3545-CHAS (=)	The 2-rack-unit (2RU) product chassis contains 4 slots, which can be populated with any combination of Cisco Unified MeetingPlace blades.	• Provides dual redundant power supplies and dual power cords • Is rack-mountable • Provides power and heat dissipation for modules
MP-3545MS-A	The audio blade connects all audio conference participants to the same conference.	• Provides 250 fully processed and transcoded audio ports per blade with G.711 and G.729 codecs • Provides 166 fully processed and transcoded audio ports per blade with G.711, G.729, iLBC, and G.722 wideband codecs • Manages up to 4 video blades in one or more chassis on the network
MP-3545MS-V	The video blade is responsible for all video processing for conferences.	• Provides 24 fully transrated and transcoded SD video ports for switching and continuous presence with bandwidth from 128 Kbps to 2 Mbps, or 48 ports for desktop video with 128 to 384 Kbps bandwidth for a single video blade. Multiple video blades reduce capacity to 20 high-rate or 40 desktop-rate video ports per blade.
Feature	**Specification**	
LAN interface	One 10/100 Ethernet port, IEEE 802.3, and 8-pin RJ-45 on each module	
Serial port	EIA-232, 9-pin D-type	
Dimensions	3.50 x 17.25 x 10.0 in. (8.89 x 43.815 x 25.4 cm)	
Weight	17.6 lb (8 kg) for empty chassis (with 2 power supplies)	
Power	• 100-240 VAC autosense; 50-60 Hz, 202W maximum • Dual redundant power supplies • U.S. power cable included • Other power cables available	
Environment	• Operating temperature: 32 to122°F (0 to 50°C) • Storage temperature:13 to 158°F (25 to 70°C) • Humidity 5 to 90% noncondensing	

Agency compliance	Safety: • UL 60950: 2000 • CSA CS22.2 No. 60950-00 • GS Approval (EN 60950: 2000) • EN 60950: 2000 • ACA: TS002-1997 • AS/NZS 3260: 1993, A4: 1997 • AS/NZS 60950: 2000 • IEC 60950: 1999 (CB test report) EMI: • FCC Part 15 Subpart B, Class A, • EN 55022: 1998, Class A • ICES 003 • EN 55024: 1998 • EN 61000-3-2: 1995, Amendment A14: 2000 • EN 61000-3-3 • EN 61000-4-2: 1995 • EN 61000-4-3: 1995 • EN 61000-4-4: 1995 • EN 61000-4-5: 1995 • EN 61000-4-6: 1996 • EN 61000-4-8: 1993 • EN 61000-4-11: 1994 • AS/NZS 3548: 1995 Class A, Amendment 1: 1997, Amendment 2: 1997 • VCCI: 1999

Table 2. Cisco Unified MeetingPlace 3515 Media Server Specifications

Part Number	Description	Features
MP-3515	The product chassis is 1RU, nonconfigurable.	• Rack-mountable • Provides power and heat dissipation for modules • Includes one audio blade (250 ports) and one video blade (24 or 48 ports) per system
Feature	**Specification**	
LAN interface	One 10/100 Ethernet port, IEEE 802.3, and 8-pin RJ-45 on each module	
Serial port	EIA-232, 9-pin D-type	
Dimensions	1.75 x 17.25 x 10.0 in. (4.445 x 43.815 x 25.4 cm)	
Weight	15.4 lb (7 kg)	
Power	• 100–240 VAC autosense; 50–60 Hz, 202W maximum • U.S. power cable included • Other power cables available	
Environment	• Operating temperature: 32 to122°F (0 to 50°C) • Storage temperature: 13 to 158°F (25 to 70°C) • Humidity 5 to 90% noncondensing	

Agency compliance	Safety: • UL 60950: 2000 • CSA CS22.2 No. 60950-00 • GS Approval (EN 60950: 2000) • EN 60950: 2000 • ACA: TS002-1997 • AS/NZS 3260: 1993, A4: 1997 • AS/NZS 60950: 2000 • IEC 60950: 1999 (CB test report) EMI: • FCC Part 15 Subpart B, Class A, • EN 55022: 1998, Class A • ICES 003 • EN 55024: 1998 • EN 61000-3-2: 1995, Amendment A14: 2000 • EN 61000-3-3 • EN 61000-4-2: 1995 • EN 61000-4-3: 1995 • EN 61000-4-4: 1995 • EN 61000-4-5: 1995 • EN 61000-4-6: 1996 • EN 61000-4-8: 1993 • EN 61000-4-11: 1994 • AS/NZS 3548: 1995 Class A, Amendment 1: 1997, Amendment 2: 1997 • VCCI: 1999

Table 3. Supported Media Convergence Server Models

Part Number	Description
MCS-7835-H2-RC1	Hardware-only Cisco MCS-7835-H1 with 2048-MB RAM and two 72-GB Small Computer System Interface (SCSI) hard drives; requires additional 2-GB RAM
MCS-7835-I2-RC1	Hardware-only Cisco MCS 7835-I1 with 2048-MB RAM and two 72-GB SCSI hard drives; requires additional 2-GB RAM
MCS-7835-H2-RC2	Hardware-only Cisco MCS-7835-H2 with 2-GB RAM and two 146-GB SAS hard drives; requires additional 2-GB RAM
MCS-7835-I2-RC2	Hardware-only Cisco MCS-7835-I2 with 2GB RAM and two 146-GB SAS hard drives; requires additional 2-GB RAM
MCS-7845-H2-RC1	Hardware-only Cisco MCS 7845-H1 with 4096-MB RAM and four 72-GB SAS hard drives
MCS-7845-I2-RC1	Hardware-only Cisco MCS 7845-I1 with 4096-MB RAM and four 72-GB SAS hard drives
MCS-7845-H2-RC2	Hardware-only Cisco MCS 7845-H2 with 4096-MB RAM and four 146-GB SAS hard drives
MCS-7845-I2-RC2	Hardware-only Cisco MCS 7845-I2 with 4096-MB RAM and four 146-GB SAS hard drives

Note: Cisco MCS 7835-H1, MCS 7835-I1, MCS 7845-H1, and MCS 7845-I1 servers are supported for web server deployments only.

Please refer to the Cisco Media Convergence Server data sheet for more specific details.

Cisco Unified MeetingPlace System Specifications

System Capacity

A Cisco Unified MeetingPlace system can scale to 1500 concurrent audio, 1000 web, and 300 video users in any combination. A single large meeting can support up to 1500 audio, 1000 web, and 240 video participants. You can deploy multiple Cisco Unified MeetingPlace 3545 or MeetingPlace 3515 chassis in a single system as long as the total number of ports does not exceed the system limits listed in Table 4.

Cisco Unified MeetingPlace 7.0 Web Conferencing can support up to 1000 concurrent web conferencing users with a cluster of three Cisco MCS-7845 servers. Each web server in a cluster can support up to 500 concurrent web conferencing users and 100 concurrent meetings, with the maximum meeting size at 1000 participants. Table 4 provides details of Cisco Unified MeetingPlace system specifications.

Table 4. Cisco Unified MeetingPlace System Specifications

Part Number	Description
System maximums	• System capacity follows: 1500 concurrent audio, 1000 concurrent web (with Secure Sockets Layer [SSL]), and 300 concurrent video ports. • Maximum call rates at peak times follow: Audio at 10 calls per second, web at 6 connections per second per cluster, and video at 4 calls per second. • There is no reduction of overall capacity when multiple media are deployed. • Reservationless single number access is supported across 2 systems, allowing deployments to scale to 3000 audio, 2000 web (with SSL), and 600 video ports.
Application server capacities	• One Cisco MCS 7835 with 4-MB RAM can support 500 concurrent audio, 500 web, and 160 video ports. • One Cisco MCS 7845 can support 1500 audio, 1000 web, and 300 video ports.
Web collaboration server capacities	• Each Cisco MCS 7845 can have 500 web ports with SSL, and each Cisco MCS-7835 can have 250 web ports with SSL. • The maximum number of meetings per server is 100. • The capacity is the same for Cisco WebEx integrations. • A maximum of 3 internal and 3 external web servers are supported per deployment for capacity scaling and redundancy for active web conferences.
Recording	• Audio/video recording or audio/web recordings are available. • Audio-only recording is available in MP3, WAV, and Windows Media. • Synchronized audio and web recording is available in Flash; the maximum recording period is 24 hours. • Synchronized audio and video recording is available in MPEG4, playable through Apple QuickTime; the maximum recording period is 6 hours. • Each web server can have a maximum of 15 simultaneous audio and web recording sessions with capacity for 500 web collaboration participants. • Each web server can have a maximum of 50 simultaneous audio and web recording sessions with capacity for 350 web collaboration participants. • Recording files can optionally be stored on SAN or NAS servers.

Features

Voice and Video Conferencing

- Cisco Unified MeetingPlace conferencing supports G.711, G.722, G.729ab, and Internet Low Bitrate Codec (iLBC) audio compression.
- It supports dual tone multifrequency (DTMF) detection (in-band, Keypad Markup Language [KPML], and RFC 2833).
- The solution supports native Session Initiation Protocol (SIP), H.323 with Cisco Unified Communications Manager (included with application software), and H.320 with gateway modules.
- It supports automatic meeting entry; it recognizes users' phone numbers, automatically authenticates users, checks for their meeting invitations, and introduces them into the meeting with a single click.
- The application supports streamlined voice user access for guests.
- Only a single phone number is needed to attend audio and video meetings.
- Video automatically connects when the device is video-enabled.
- The application offers in-session audio and video meeting features.

- Meeting entries and departures are announced.
- A roll call of participants can be provided.
- Breakout sessions are possible.
- Meeting moderators can mute individual users or all participants.
- Meeting participants can dial out to an individual.
- Moderators can lock meetings.
- Attendees can be screened as they enter the meeting
- You can prerecord a meeting message for other participants to hear before entering the meeting.
- A reservationless option allows you to conduct meetings with a personal meeting ID without the need for scheduling; reservationless meetings can be configured as internal or external meetings.
- You can automatically record and play back audio-only recordings (WAV, MP3, and Windows Media) and audio and video recordings (MPEG4 playback through QuickTime). Video recording is limited to a maximum of 6 hours.
- You can conduct lecture-style meetings with facilitated question and answer sessions.
- You can establish continuous meetings, which are especially useful for crisis-management situations.
- You can reach out to new participants for a meeting by calling a sequence of their main phone, alternate phone, and pager numbers.
- Maintenance Release 1 of this solution offers voice prompt options for American English, British English, Japanese, French, French Canadian, German, Portuguese (Brazil), Spanish (Latin American), and Russian.
- You can attend meetings or initiate reservationless meetings directly from your phone's telephony user interface.
- You can initiate and control Cisco Unified MeetingPlace voice conferences from a Cisco WebEx Meeting Center or a Lotus Sametime web conference.

Web Conferencing

Refer to the Cisco Unified MeetingPlace Web Conferencing data sheet for details about the following features:

- Cisco Unified MeetingPlace conferencing supports web collaboration-only deployments.
- Meeting participants can share PowerPoint presentations, graphics files (jpg), Flash content (swf files), and Flash movies (flv files) using only a web browser under a Windows or Mac OS. Animations within the presentations are preserved as slides advance. You can attend a conference using a web browser on Windows, Mac OS, Linux, and Solaris.
- A presenter preparation area allows presenters to share notes or chat among themselves without the messages being seen by other participants in the meeting.
- You can annotate shared applications, presentations, and multiple whiteboards.
- You can share any application or desktop (including dual-monitor systems) and pass control to others for collaboration. Shared content automatically resizes to the viewer's desktop resolution. Multiple people can share at the same time for side-by-side viewing.

- You can automatically record and play back synchronized web and voice meeting content without the need for additional hardware or software at the desktop. You can save web recordings on network-attached-storage (NAS) or storage-area-network (SAN) systems.
- For ease of use, standard templates (collaborative, presentation, or webcast) are provided with preset tools and layouts for easy access.
- With customizable layout options, you can create your preferred meeting layout and save it for use in future meetings.
- You can use text messaging within meetings.
- Presenters and moderators can select specific audience-submitted questions to which to respond; they can respond to either the individual or the entire group.
- Participants can vote on questions and give feedback during the meeting.
- In Maintenance Release 1 of this solution, you can choose web interfaces in English, Japanese, French, German, Portuguese (Brazil), Spanish (Latin American), and Russian.

Meeting Management

- Cisco Unified MeetingPlace conferencing provides a browser-based interface to manage the voice, video, and web elements of meetings.
- You can call out to your phone and video endpoints, mute and unmute yourself, pause and play video, change your video layout from active speaker to multiple videos (continuous presence), move to breakout sessions (audio or video), and leave the meeting (leaving disconnects your audio, video, and web sessions).
- The meeting moderator can change audio, video, and web conferencing permissions, call out to others to bring them into the meeting, mute and unmute selected participants, mute all participants, pause and play another participant's video, rename users, move participants to waiting room or breakout sessions, merge users (audio and web) on the participant list, move the meeting from an internal to an external web server, record the meeting, change voice conference announcements, lock the meeting, eject multiple users, and end the meeting.
- You can view a list of who is speaking and sharing at any given moment.
- A list of participants includes all voice, video, and web conference participants with permission icons and their emoticon status.
- You can send public and private text messages within collaborative meetings (refer to the discussion of collaborative, presentation, and webcast meetings later in this document). In presentation and webcast meetings, presenters can chat with anyone, and audience members can chat only with presenters.

Video Conferencing

- Video encoding standards include H.261, H.263, and H.264.
- Live video resolutions follow: Quarter Common Intermediate Format (QCIF), Common Intermediate Format (CIF), and Standard Input Format (SIF); 4CIF is supported with H.263 in high-rate mode.
- Qualivision offers highly improved, standards-based video quality in networks with packet loss.
- For video the solution offers up to 2 Mbps of bandwidth per port with full transcoding and transrating for all SD video codecs and speeds on all ports.

- Video automatically connects with video-enabled endpoints; no scheduling is required.
- The layout display is dynamic; voice-activated continuous presence is supported with up to 16 participants. The layout adjusts as additional participants join.
- The administrator controls systemwide layouts and conference views; the self-see window is disabled by default.
- A text overlay allows for user identification.
- The solution supports quality of service (QoS) with Differentiated Services (DiffServ).
- Rate matching is supported; each endpoint in a video conference can participate according to individual video bandwidth capabilities without affecting the connection of other participants.
- Video is scalable; it automatically cascades across multiple video blades as the conference size increases.
- At the start of a meeting, all invited video terminals can be automatically outdialed.
- You can search for and check availability of video terminals at the scheduled time.
- Integration with Microsoft Outlook's scheduling function allows for video terminals to be scheduled through Microsoft Exchange.
- For a detailed listing of supported video endpoints, please refer to the System Requirements and Compatibility Matrix for Cisco Unified MeetingPlace 7.0 at: http://www.cisco.com/en/US/products/sw/ps5664/ps5669/products_device_support_tables_list.html.

Meeting Setup and Attendance

- You can schedule or initiate immediate voice, video, and web conferences through a web interface, touch-tone or Cisco Unified IP Phone, or Microsoft Outlook or IBM Lotus Notes calendar.
- You can set up always-available voice, video, and web conferences with a personalized meeting ID for each designated user. You can configure reservationless meetings as internal or external meetings, and you can set a maximum number of ports for a reservationless meeting. Reservationless single number access is supported across three Cisco Unified MeetingPlace clusters.
- You can schedule integrated rich-media meetings with committed video resources for all participants or you can join a meeting with video without prior reservations (in this case, video availability will be determined by available resources). You can search the directory to check the availability of specific video terminals that are automatically outdialed when the meeting starts.
- You can set up small, peer-oriented meetings such as project and staff meetings; presentation meetings for more structured web conferencing meetings such as group training sessions; and webcast meetings for large, controlled meetings such as external presentations. In all meeting types, the meeting organizer can change user permissions as needed.
- Calendar or email invitations are automatically distributed to invited participants with the information needed to attend the integrated rich-media conference.
- With a single click you can attend voice, video, and web conferences directly from your calendar, email notification, URL link, IM, or browser.

- You can initiate immediate meetings from Cisco Unified Personal Communicator, Sametime Connect, Jabber Messenger, and Microsoft Office Communicator with Live Communications Server.

Security

- Each customer is provided with a dedicated Cisco Unified MeetingPlace solution integrated with the private network.
- You can set up meetings as internal-only meetings to be held entirely behind the corporate firewall or as external meetings that are accessible to Internet and internal participants. Administrators and meeting organizers have complete control.
- Meeting organizers can require that participants authenticate themselves using individual logins to attend a meeting or to access the documents and recordings for a meeting. In addition, the Cisco Unified MeetingPlace system can automatically block out users after multiple failed login attempts.
- The solution offers a Lightweight Directory Access Protocol (LDAP) Version 3 directory interface to selected vendors' LDAP directories: Active Directory and Netscape Directory Server through Cisco Unified Communications Manager (included in application software).
- Cisco Unified MeetingPlace conferencing supports encrypted webpages and web conferencing traffic using SSL.
- Meeting organizers can change voice and web conferencing permissions, specify announced entry and departure, require passwords, lock the meeting, and eject unwanted attendees.
- You can set up public-key-infrastructure (PKI) certificates between desktop clients and the web server.

System Administration

- Cisco Unified MeetingPlace conferencing provides a web-based single point of administration for media servers, user profiles, video terminal profiles, system configurations, Outlook integration, and Cisco WebEx integration.
- The solution provides web-based Cisco Multimedia Conference Manager with drag-and-drop capabilities for meeting moderation and monitoring across multiple deployment clusters.
- You can customize voice prompts (including music on hold), and you can customize or hide web scheduling fields and Outlook integration scheduling fields.
- The standard configuration provides use (voice, video, and web) and billing reports. Detailed raw data reports to track meeting and participant details are available.
- System parameters optimize port use and meeting traffic charts.
- Remote management and monitoring are performed using Simple Network Management Protocol (SNMP) traps; alarms outdial to a phone or pager.
- Hot failover for audio and video media blades is supported, as well as a redundant application server for warm database failover.
- Cisco Unified MeetingPlace conferencing provides a Simple Object Access Protocol (SOAP)-based API for external application integrations. It supports user provisioning, user authorization, system configuration, licensing, schedule, start, attend, end meetings, in-session controls, and events.

Ordering Information

Please refer to the **Cisco Unified Communications Applications Ordering Guide** for specific details about product part numbers, configuration bundles, and pricing: http://www.cisco.com/web/partners/downloads/sell/technology/storage/unifiedcomm/ucs2_og.pdf.

This product is a part of Cisco Unified Workspace Licensing. Please visit http://www.cisco.com/go/workspace_licensing for more information and to determine whether this licensing is appropriate for your customer.

Solution Expert assists Cisco field and Cisco Unified Communications specialized channel partners in designing and quoting solutions using the Cisco Unified Communications bundles or the traditional design model. For additional information about Solution Expert, go to: http://apps.cisco.com/sx/introduction.sx?actionParam=viewIntroduction.

Solution Expert is the only tool supported for Cisco Unified MeetingPlace 7.0. This tool replaces the Microsoft Excel spreadsheet-based configuration tool used in previous versions.

Cisco Dynamic Configuration Tool (DCT) is part of the suite of Internet Commerce tools for managing online ordering of Cisco products. It enables you to configure products and view lead times and prices for each selection. It also allows you to view lead time and price changes under a variety of price lists and service contract terms. You can then save, print, send in an email message, and download your configurations. The Cisco.com (with password required) version of Cisco Dynamic Configuration Tool is located at: http://www.cisco.com/en/US/partner/ordering/index.shtml. This tool supports Cisco Unified MeetingPlace products and applications.

For additional assistance in ordering Cisco Unified MeetingPlace 7.0, refer to the Cisco Unified MeetingPlace Ordering Guide at: http://wwwin.cisco.com/voice/products/meetingplace7.shtml.

Cisco Services

Using the Cisco Lifecycle Services approach, Cisco and our partners offer a broad portfolio of end-to-end services to support the Cisco Unified Communications System. These services are based on proven methodologies for deploying, operating, and optimizing IP communications solutions. Initial planning and design services, for example, can help you meet aggressive deployment schedules and minimize network disruption during implementation. Operate services reduce the risk of communications downtime with expert technical support, and optimize services enhance solution performance for operational excellence. Cisco and our partners offer a system-level service and support approach that can help you create and maintain a resilient, converged network that meets your business needs.

For More Information

For more information about Cisco Unified MeetingPlace conferencing, contact your local Cisco account representative or visit http://www.cisco.com/go/meetingplace.

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