Main page: Cisco Unified MeetingPlace, Release 7.0

Previous page: System Requirements

Contents

- 1 Application Server Requirements
  - 1.1 Application Server Models
    - 1.1.1 Table: Supported Cisco MCS and Third-Party Equivalent Servers for the Application Server
  - 1.2 Ethernet Port Settings
    - 1.2.1 Related Information
- 2 Media Server Requirements
  - 2.1 Cisco Unified MeetingPlace 3515 Media Server
  - 2.2 Cisco Unified MeetingPlace 3545 Media Server
  - 2.3 Audio and Video Blades
  - 2.4 Ethernet Port Settings
  - 2.5 Related Information
- 3 Web Server Requirements
  - 3.1 Web Server Models
  - 3.2 Operating System Requirements
  - 3.3 SQL Server Requirements
  - 3.4 Networking Requirements
  - 3.5 Additional Requirements
  - 3.6 Related Information

Application Server Requirements

Note: A valid DNS service is required to install or upgrade the Release 7.0 Application Server.

- Application Server Models
- Ethernet Port Settings

Application Server Models

The Cisco Unified MeetingPlace Application Server is installed on a Cisco Media Convergence Server (MCS).

- Cisco MCS 7835 models support a maximum of 500 audio ports.
- Cisco MCS 7845 models support the following:
  - Release 7.0.1 supports a maximum of 1000 audio ports.
  - Release 7.0.2 (MR1) and 7.0.3 (MR2) support a maximum of 1500 audio ports.

The Application Server must be one of the following Cisco MCS models:

Table: Supported Cisco MCS and Third-Party Equivalent Servers for the Application Server

Cisco MCS Version	Description	Supported Releases	IBM Part Number	HP Equivalent
MCS 7845-I3-RC2	Dual Intel E5540 2.53 GHz; 4x300 HDD, 8 GB RAM HP equivalent: 2 Quad-Core Intel 2.53 GHz E5540 Processor, 8GB RAM, 4x300GB HDD	Release 7.0.3 only	7947-62Y (worldwide reseller), 7947-AC1 (IBM direct US/CAN/LA), 7947-CTO (IBM direct EMEA/AP)	DL380-G6 Server, part number: AX693A
MCS 7835-I3-RC1	Single Intel 5504 Quad-core 2.00 GHz; 2x146 HDD, 4 GB RAM HP equivalent: 1 Quad-Core Intel 2.00 GHz Intel Nehalem E5504 Processor, 4GB RAM, 2x 146GB Hard Drives	Release 7.0.3 only	7947-22Y (worldwide reseller), 7947-AC1 (IBM direct US/CAN/LA), 7947-CTO (IBM direct EMEA/AP)	DL380-G6 Server, part number: AX690A
MCS 7845-I2-RC2 (end-of-sale 12/09)	IBM x3650 2x Xeon 5140 2.33GHz Dual-Core Processor, 4G RAM, 2x 146GB HDD	Release 7.0.1, 7.0.2, 7.0.3	7979-AC1 (IBM direct US/CAN/LA), 7979-CTO (IBM direct EMEA/AP) Supported for upgrades only	Supported for upgrades only
MCS 7835-I2-RC2 (end-of-sale 12/09) **Note:** This model must have at least 4 GB of memory using this memory module: MEM-7835-I2-2GB=	Single Xeon 5140 2.33GHz Dual-Core Processor, 2G RAM, 2x 146GB HDD, Requires +2GIG RAM	Release 7.0.1, 7.0.2, 7.0.3	7979-AC1 (IBM direct US/CAN/LA), 7979-CTO (IBM direct EMEA/AP) Supported for upgrades only	Supported for upgrades only
MCS 7845-I2-RC1 (end-of-sale 7/09)	Dual Intel 5140 2.33GHz; 4x72HDD, 4GB	Release 7.0.1, 7.0.2, 7.0.3	Supported for upgrades only	Supported for upgrades only
MCS 7835-I2-RC1 (end-of-sale 7/09) **Note:** This model must have at least 4 GB of memory using this memory module: MEM-7835-I2-2GB=	Single Xeon 5140 2.33GHz Dual-Core Processor, 2G RAM, 2x 72GB HDD	Release 7.0.1, 7.0.2, 7.0.3	Supported for upgrades only	Supported for upgrades only

MCS 7845-H2-RC2 (end-of-sale 7/09)	Dual Intel 5140 2.33GHz; 4x146GB HDD, 4 GB RAM	Release 7.0.1, 7.0.2, 7.0.3	Supported for upgrades only	DL380-G5 Server, part number: 470064-887 Supported for upgrades only
MCS 7835-H2-RC2 (end-of-sale 7/09) **Note:** This model must have at least 4 GB of memory using this memory module: MEM-7835-H2-1GB=	Single Xeon 5140 2.33GHz Processor, 2G RAM, 2x 146GB HDD	Release 7.0.1, 7.0.2, 7.0.3	Supported for upgrades only	DL380-G5 Server, part number: 470064-880 Supported for upgrades only
MCS 7845-H2-RC1 (end-of-sale 7/09)	Dual Intel 5140 2.33GHz; 4X72GB HDD, 4GB RAM	Release 7.0.1, 7.0.2, 7.0.3	Supported for upgrades only	Supported for upgrades only
MCS 7835-H2-RC1 (end-of-sale 7/09) **Note:** This model must have at least 4 GB of memory using this memory module: MEM-7835-H2-1GB=	Single Intel 5140 2.33GHz, 2G RAM, 2x 72GB HDD	Release 7.0.1, 7.0.2, 7.0.3	Supported for upgrades only	Supported for upgrades only

Notes:

- The Cisco MCS 7845-I3-RC2/AX693A does not support the Web Server for Cisco Unified MeetingPlace Release 7.0.
- Cisco MCS 7845-H2/I2-RC1 and MCS 7835-H2/I2-RC1 servers are supported for upgrades only. However, they are not recommended for use with Cisco Unified MeetingPlace Release 7.0 due to their smaller hard drives.
- Cisco MCS 7845-H2/I2-RC2 and MCS 7835-H2/I2-RC2 servers are supported for upgrades only.
- If you are using the DL380-G6 Server from HP, the Application Server software must be at MP_DVD_308-7_0_2_14.iso or higher from manufacturing.

  IMPORTANT!!! The DL380-G6 Server (AX693A) is shipped with an internal USB Drive, which conflicts with the Linux OS used by the Application Server (MP_DVD_308-7_0_2_14.iso). The problem was fixed in OS 312, but there will be no rebuild of 7.0.2.14. As a workaround, remove the USB Drive from the system as follows:

  1. Remove the top cover of the server.
  2. Look on the left side of the server toward the middle. The USB flash drive is plugged in near the edge of the secondary (internal) cover next to the connectors for two cables coming from the HDDs.
  3. Pull the USB flash drive out and close the cover.

  Click and view the following URL for a video clip illustrating how to do this:
  https://videosharing.cisco.com:8443/vportal/VideoPlayer.jsp?ccsid=C-2fbbdacb-65d5-4101-a070-ada46c84ecb7:1

IMPORTANT!!! When installing Cisco Unified MeetingPlace Release 7.0 Application Servers, make sure to connect the monitor directly to the server. Using a KVM of any kind (for example, a SIP Based KVM with SMART CABLE) might result in the installation UI not being displayed on the monitor, and thus prevent you from continuing with the installation.

- For detailed information about supported HP servers, see http://www.cisco.com/en/US/prod/collateral/voicesw/ps6790/ps5748/ps378/product_solution_overview09186a008
- For additional information about supported third-party servers, go to: http://www.cisco.com/go/swonly.

Ethernet Port Settings

Cisco Unified MeetingPlace Release 7.0 supports the following Ethernet port settings:

- Application Server: Auto/Auto (Speed/Duplex)
- Ethernet Switch Port (must be a Gigabit switchport): Auto/Auto (Speed/Duplex)
- Result: Auto-negotiated to Gigabit/Full

Related Information

- For information about physically installing the Cisco MCS, see the documentation at this location: http://www.cisco.com/en/US/products/hw/voiceapp/ps378/prod_installation_guides_list.html
- For information about installing the Cisco Unified MeetingPlace software onto the Application Server, see the *Installation and Upgrade Guide for Cisco Unified MeetingPlace Release 7.0* at http://www.cisco.com/en/US/products/sw/ps5664/ps5669/prod_installation_guides_list.html

Media Server Requirements

Cisco Unified MeetingPlace requires a Cisco Unified MeetingPlace 3500 Series Media Server for audio-only or audio/video conferencing. Web conferencing or Cisco WebEx integration are optional.

There are two types of Cisco 3500 Series Media Servers:

Cisco Unified MeetingPlace 3515 Media Server

- Fixed chassis with single power supply and single power cord.
- Includes one Audio Blade (250 ports) and one Video Blade that can support either 24 or 48 video user licenses based on video bandwidth settings.
- Cannot be modified in the field to change any hardware configuration, only upgrade software can be applied to the Audio Blades and Video Blades in this fixed one RU chassis.
- Audio Blades and Video Blades require one static IP address each and one Ethernet switch cable and connection for control by the Application Server.

Cisco Unified MeetingPlace 3545 Media Server

- A four-slot chassis that provides redundant power supplies and redundant power plugs to separate power sources.
- Each Cisco Unified MeetingPlace 3545 Media Server can have any mixture of modular Audio Blades and Video Blades installed in any order.
- Each Cisco Unified MeetingPlace 3545 Media Server is comprised of at least one Audio Blade and optionally, one to four Video Blades.
- A minimum of one Audio Blade is required for a Cisco Unified MeetingPlace system.
- Video Blades (and video user licenses) are optional.
- Each Audio Blade and each Video Blade requires one Ethernet IP address to be statically assigned and one switch port assigned.
- The Application Server controls the audio and video SIP connections to each blade independently.

You can mix and match Cisco Unified MeetingPlace Media Servers. For example, if you deployed a Cisco Unified MeetingPlace solution using a Cisco Unified MeetingPlace 3515 Media Server, you could add more video ports to the solution by adding a Cisco Unified MeetingPlace 3545 Media Server chassis plus a Cisco Unified MeetingPlace 3545 Media Server Video Blade.

Audio and Video Blades

You can purchase Audio Blades and Video Blades for "active" redundancy, without licenses. For example: Audio user licenses are sold to support 250 ports. Two Audio Blades are installed for a total of 500 available and active ports. System capacity is governed by the licenses for the total number of audio callers into one or many meetings. If a blade fails, the system stops using it and places callers onto the "redundant" Audio Blade. A minor alarm is registered if a blade drops off unexpectedly.

All Cisco Unified MeetingPlace Release 7.0 versions support a maximum of six Audio Blades and six Video Blades. The total number of audio and video ports this provides depends on your configuration:

Global Voice Parameter	Supported Number of Audio Ports	Maximum Number of Supported Ports per System (a system consists of 1 Application Server, 2 Web Servers, 6 Audio blades, and 6 Video blades)
G.711	250 per Audio Blade	1500
G.711, G.729, G.722, and iLBC codecs, with transcoding and echo cancellation enabled	166 per Audio Blade	996
G.711 and G.729 with echo cancellation disabled **Note:** We do not recommend this option for wide area networks or long distance callers.	250 per Audio Blade	1500

	Number of Video Ports	

Video Global Parameter		Maximum Number of Supported Ports per System (a system consists of 1 Application Server, 2 Web Servers, 6 Audio blades, and 6 Video blades)
Standard Rate	• Single Video Blade system = 48 ports • Multiple Video Blade system = 40 ports/blade * n blades For example, two Video Blades = 80 ports.	240
High Rate	• Single Video Blade system = 24 ports • Multiple Video Blade system = 20 ports/blade * n blades For example, two Video Blades = 40 ports.	120

Ethernet Port Settings

We recommend the following Ethernet port settings:

Audio Blade	Ethernet Switch Port	Result
Auto-negotiate	Auto-negotiate	1000/Full

Video Blade	Ethernet Switch Port	Result
Auto-negotiate	Auto-negotiate	100/Full

Application Server	Ethernet Switch Port	Result
Auto-negotiate	Auto-negotiate	Gigabit or 100/Full
Gigabit	Gigabit	Gigabit
100/Full	100/Full	100/Full

We do not recommend the following:

- One device set to auto-negotiate and the other device set in a fixed configuration.
- 10Mb Ethernet.
- Half duplex Ethernet at any speed.
- Using 10/100Mbps for MCU and EMP, nor any hard set values (MCU & EMP tested and certified only on Auto/Auto setting connected to 1Gb switchports)

Caution! Setting one device to auto-negotiate and the other device to a fixed configuration will often result in negotiation failure, where one side thinks it has a full duplex link and the other side thinks it has a half duplex link. This will result in intermittent non-specific failures which get progressively worse as the load on the system increases and can result in a complete service outage.

Related Information

- For information about physically installing the Cisco 3500 Series Media Server, see Installing the Cisco Unified MeetingPlace Hardware.
- For information about installing the Cisco Unified MeetingPlace software onto the Media Server, see Setting Initial Values for the Media Server.

Web Server Requirements

- Web Server Models
- Operating System Requirements
- SQL Server Requirements
- Networking Requirements
- Additional Requirements

Web Server Models

The Cisco Unified MeetingPlace Web Server is installed on a Cisco Media Convergence Server (MCS). The Web Server must be one of the following Cisco MCS models:

Cisco MCS Version	Description	Supported Releases	IBM Part Number	HP Equivalent
MCS 7845-I3-RC1	Single Intel 5540 Quad-core 2.53GHz, 6GB RAM, 4x146 HDD HP equivalent: 1 Quad-Core Intel 2.53Ghz Intel Nehalem E5540 Processor, 6GB RAM, 4x 146GB Hard Drives	Release 7.0.3	7947-62Y (worldwide reseller), 7947-AC1 (IBM direct US/CAN/LA), 7947-CTO (IBM direct EMEA/AP)	DL380-G6 Server, part number: AX691A
MCS 7835-I3-RC1	Single Intel 5504 Quad-core 2.00 GHz; 2x146 HDD, 4 GB RAM HP equivalent: 1 Quad-Core Intel 2.00 GHz Intel Nehalem E5504 Processor, 4GB RAM, 2x	Release 7.0.3	7947-22Y (worldwide reseller), 7947-AC1 (IBM direct US/CAN/LA), 7947-CTO (IBM direct EMEA/AP)	DL380-G6 Server, part number: AX690A

	146GB Hard Drives			
MCS 7845-I2-RC1 (end-of-sale 7/09)	Dual Intel 5140 2.33GHz, 4GB RAM, 2x72GB HDD	Release 7.0.1, 7.0.2, 7.0.3	Supported for upgrades only	Supported for upgrades only
MCS 7845-I2-RC2 (end-of-sale 12/09)	Dual Intel 5140 2.33GHz, 4GB RAM, 2x146GB HDD	Release 7.0.1, 7.0.2, 7.0.3	7979-AC1 (IBM direct US/CAN/LA), 7979-CTO (IBM direct EMEA/AP) Supported for upgrades only	Supported for upgrades only
MCS 7835-I2-RC1 (end-of-sale 7/09)	Single Xeon 5140 2.33GHz Dual-core, 2GB RAM, 2x72GB HDD	Release 7.0.1, 7.0.2, 7.0.3	Supported for upgrades only	Supported for upgrades only
MCS 7835-I2-RC2 (end-of-sale 12/09)	Single Xeon 5140 2.33GHz Dual-core, 2GB RAM, 2x146GB HDD	Release 7.0.1, 7.0.2, 7.0.3	7979-AC1 (IBM direct US/CAN/LA), 7979-CTO (IBM direct EMEA/AP) Supported for upgrades only	Supported for upgrades only
MCS 7845-H2-RC2 (end-of-sale 7/09)	Dual Intel 5140 2.33GHz; 4x146GB HDD, 4GB RAM	Release 7.0.1, 7.0.2, 7.0.3	Supported for upgrades only	DL380-G5 Server, part number: 470064-887 Supported for upgrades only
MCS 7835-H2-RC2 (end-of-sale 7/09)	Single Xeon 5140 2.33GHz Processor, 2G RAM, 2x 146GB HDD	Release 7.0.1, 7.0.2, 7.0.3	Supported for upgrades only	DL380-G5 Server, part number: 470064-880 Supported for upgrades only
MCS 7845-H2-RC1 (end-of-sale 7/09)	Dual Intel 5140 2.33GHz; 4X72GB HDD, 4GB RAM	Release 7.0.1, 7.0.2, 7.0.3	Supported for upgrades only	Supported for upgrades only
MCS 7835-H2-RC1 (end-of-sale 7/09)	Single Intel 5140 2.33GHz, 2G RAM, 2x 72GB HDD	Release 7.0.1, 7.0.2, 7.0.3	Supported for upgrades only	Supported for upgrades only
MCS 7835-H1-RC1	--	Release 7.0.1, 7.0.2	Supported for upgrades only	Supported for upgrades only
MCS 7835-H1-RC2	--	Release 7.0.1, 7.0.2	Supported for upgrades only	Supported for upgrades only
MCS 7835-I1-RC1	--	Release 7.0.1, 7.0.2	Supported for upgrades only	Supported for upgrades only
MCS 7835-I1-RC2	--	Release 7.0.1, 7.0.2	Supported for upgrades only	Supported for upgrades only

Notes:

- The Cisco MCS 7845-I3-RC2/AX693A (2 Quad-Core) does not support the Web Server for Cisco Unified MeetingPlace Release 7.0.

- All end-of-sale servers are supported for upgrades only.
- For detailed information about supported HP servers, see http://www.cisco.com/en/US/prod/collateral/voicesw/ps6790/ps5748/ps378/product_solution_overview09186a008
- Cisco Unified MeetingPlace supports the Cisco MCS 7835 models only for systems that are upgrading a Web Server from Release 6.0 to Release 7.0. For Cisco Unified MeetingPlace systems that use new hardware for the Web Server, we require a Cisco MCS 7845 H2/I2 model (or I3 for Release 7.0.3).
- The Cisco MCS 7835 models must have at least 4GB of memory using these memory modules:
  - MEM-7835-H2-1GB=
  - MEM-7835-I2-2GB=

Exact equivalent third-party servers are also supported. For information, go to http://www.cisco.com/go/swonly

Operating System Requirements

The Cisco Unified MeetingPlace Web Server runs on the Cisco MCS operating system Cisco MCS OS 2003.1.5 SR6 or later, which is included with the software.

SQL Server Requirements

Cisco Unified MeetingPlace Web Conferencing requires Microsoft SQL Server 2000 (Service Pack 4). During the installation, you can choose the local SQL Server option or the remote SQL Server option:

"Remote" SQL 2000 or 2005 is customer provided software and license. Cisco does not provide this for MeetingPlace installations for 'remote" install.

- If you choose the local SQL Server option, the system automatically installs SQL Server 2000 (Service Pack 4) during the Web Conferencing software installation. Microsoft SQL Server 2000 (Service Pack 4) is included in the Web Conferencing Release 7.0 installer.
- If you choose the remote SQL Server option, you must install SQL Server 2000 (Service Pack 4) before you install Web Conferencing. You must also install and configure your SQL Server to be case insensitive because Web Conferencing supports only SQL Server case-insensitive configurations. If you configure your SQL Server to be case-sensitive, Web Conferencing will not function properly.

Note: If you choose the remote SQL Server option, you can use SQL Server 2005 (Service Pack 2) instead of SQL Server 2000 (Service Pack 4). To use SQL Server 2005, first install the SQL Server 2005 backward compatibility software (the Distributed Management Objects [DMO] component only) on the Web Server.

Networking Requirements

- The Web Server must be configured with two static IP addresses on the same subnet.
- Cisco Unified MeetingPlace Web Servers must be connected to network switch ports that are configured for 100/1000 Mb full duplex.

Additional Requirements

- Cisco Unified MeetingPlace Web Conferencing does not support "thin clients" (Citrix or Terminal Server).
- Cisco Unified MeetingPlace Web Conferencing requires that all corporate fonts and standard Microsoft fonts, including Microsoft PowerPoint fonts, are installed.
- Cisco Unified MeetingPlace Web Conferencing requires NT File System (NTFS) with more than 2.5 GB free space available.
- Cisco Unified MeetingPlace Web Conferencing requires additional disk space for recording. See the "Recording Size" section in the *Configuration Guide for Cisco Unified MeetingPlace Release 7.0* or the online help in the administrator interface for more information about recording.
- You must set the network port configuration on your Web Server to "Enable NetBIOS over TCP/IP" and not "Default."

Related Information

- For information about physically installing the Cisco MCS, see the documentation at this location: http://www.cisco.com/en/US/products/hw/voiceapp/ps378/prod_installation_guides_list.html
- For information about installing the Cisco Unified MeetingPlace software onto the Web Server, see the *Installation and Upgrade Guide for Cisco Unified MeetingPlace Release 7.0* at http://www.cisco.com/en/US/products/sw/ps5664/ps5669/prod_installation_guides_list.html
- If you are installing Web Conferencing in a segmented meeting access (SMA) configuration, also review the requirements in the Segmented Meeting Access (SMA) Requirements.