Cisco WebEx Meetings Server System Requirements Release 1.1

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CHAPTER 1

System Requirements

This document provides system requirements for the Cisco WebEx Meetings Server, Release 1.1.

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General System Requirements

Cisco WebEx Meetings Server is automatically compatible with Cisco UCS servers that meet or exceed the specifications.

Note The following table suggests that you deploy your internal storage in a RAID configuration. For further information, see the "Installing VMware vSphere ESXi and Configuring Storage" section of the *Cisco WebEx Meetings Server Planning Guide* at http://www.cisco.com/en/US/products/ps12732/products_installation_and_configuration_guides_list.html. Also, note that for brevity, we use the acronym IRP for the Internet Reverse Proxy.

Module	Requirements Notes
Host Server & Processors	• Cisco UCS "C-series" rack server or equivalent "B-series" blade. • Must support "AES-NI" instruction set. • 2.4 GHz processor clock speed or faster
Network interfaces	These requirements apply to the NIC between the ESXi hosts (for the Cisco WebEx Meetings Server virtual machines) and the Ethernet switch, and not to the external network interface. • Minimum 1 physical NIC for non-redundant configuration. See the 50 User System page below, for special requirements where the Internet Reverse Proxy (IRP) and Admin virtual machine are sharing a host. • Redundant configurations must have all NIC interfaces duplicated ("teamed" or "bonded") and connected to independent switching fabric. • Recommend an additional NIC for VMware management network (optional).
Internal (DAS) Storage for ESXi hosts where internal virtual machines are deployed	• Minimum of 4 drives in a RAID-10 or RAID-5 configuration • Minimum of 1 TB usable storage (For example, 4 x 600 GB RAID-10) • Optional 2nd array for ESXi
Internal (DAS) storage for ESXi hosts where IRP virtual machines are deployed	• Minimum of 2 drives in a RAID-1 configuration • Minimum of 300 GB usable storage (For example, 2 x 300 GB drives make 300 GB of usable storage) • May use the same configurations as for the internal virtual machines

Module	Requirements Notes
SAN Storage	• May be used as a substitute for DAS. Cisco recommends the allocation of the same amount of storage space. • Recommended only for deployments where the support staff has experience monitoring and tuning SAN performance. **Note** You take responsibility for adding additional storage for new VMware requirements and future growth of the system. • Fiber Channel (FC) or Fiber Channel over 10 Gb Ethernet (FCoE) only. • Performance requirements are the same as for DAS.
Hypervisor	• vSphere versions 5.0, 5.0 Update 1, or 5.1. • vSphere licenses: ◦ 5.0 or 5.0 Update 1: vSphere Enterprise Plus license for 800 and 2000 user systems. vSphere Standard license for 50 and 250 user systems. ◦ 5.1: vSphere Enterprise license for 800 and 2000 user systems. vSphere Standard license for 50 and 250 user systems. • One VMware license per processor socket. • vCenter Server 5.0, 5.0 Update 1, or 5.1. • vCenter may be co-resident with Cisco WebEx Meetings Server, providing the processor and memory requirements are added to the system requirements. vCenter co-resident configurations are supported for 50-user and 250-user systems only. • Co-residency with Cisco Unified Communications products on the same physical ESXi host is not supported. • Co-residency with non-Cisco WebEx Meetings Server virtual machines on the same physical ESXi host is not supported.
Email server	• Fully qualified domain name (FQDN) of a mail server that the system will use to send emails. • Port number—default value of the SMTP port number is 25, or 465 (secure SMTP port number).

Operating System, Browser, and Other Requirements

This section lists the supported requirements for end users to host and access meetings.

Note The information in this document is more current and therefore supersedes the browser and system requirements in the end user help.

Mobile Devices

- Apple iPhones using iOS 5.0 and later
- Apple iPads using iOS 5.0 and later

Note You cannot record a WebEx meeting that was scheduled or started with an iPhone or iPad.

WebEx Productivity Tools

This release of Cisco WebEx Meetings Server supports the latest version of WebEx Productivity Tools, which can be found on the Downloads page of your WebEx site. If you are upgrading to this release and have an older version of Productivity Tools installed, your older version will still work for scheduling and starting meetings but will not support the latest WebEx features. We recommend that you push out the latest .msi for the optimal experience.

Windows System Requirements

Supported Operating System For Windows

- Windows XP SP3
- Windows Vista (32-bit/64-bit)
- Windows 7 (32-bit/64-bit)

Hardware Requirements

- Intel Core2 Duo CPU 2.XX GHz or AMD processor (2 GB of RAM recommended)

Tested Browsers For Windows

- Internet Explorer: 8 and 9 (32-bit/64-bit)
- Mozilla Firefox: 10 through 21

  See the Firefox release schedule at https://wiki.mozilla.org/RapidRelease/Calendar.

- Google Chrome: 23 through 27

  See the Chrome release schedule at http://www.chromium.org/developers/calendar.

Meeting Client and Browser Requirements For Windows

- JavaScript and cookies enabled
- Active X enabled and unblocked for Microsoft Internet Explorer (recommended)
- Java 6 and Java 7

Note If you have Java enabled, the Cisco WebEx Meetings Application will automatically download onto your system the first time you start or join a meeting. We recommend that you install the latest update for your Java version.

Microsoft Outlook Requirements

- Microsoft Outlook 2007 SP2 and later
- Microsoft Outlook 2010 (32-bit and 64-bit editions; all service packs)

Mac System Requirements

This section describes the system requirements for the Mac.

Supported Operating Systems For Mac

- Mac OS X 10.6 Snow Leopard
- Mac OS X 10.7 Lion
- Mac OS X 10.8 Mountain Lion

Tested Browsers For Mac

- Mozilla Firefox: 10 through 21

  See the Firefox release schedule at https://wiki.mozilla.org/RapidRelease/Calendar.

- Apple Safari: versions supported by the supported operating systems listed previously
- Google Chrome: 23 through 27

  See the Chrome release schedule at http://www.chromium.org/developers/calendar.

Meeting Client and Browser Requirements For Mac

- Intel processor (512 MB of RAM or more recommended)
- JavaScript and cookies enabled

- Plug-ins enabled in Safari

Minimum Hardware Requirements

CPU usage, memory, Ethernet, and hard drive requirements are described in the section for your system size. Select from the following sizes:

- 50 User System, on page 8
- 250 User System, on page 11
- 800 User System, on page 13
- 2000 User System, on page 15

Table 1: Example Host Models and Required vSphere Versions

Deployment Size	Example of UCS Model	Virtual Support
50 Users	• UCS C220 M3 • UCS B200 M3	• vSphere ESXi 5.1 Standard Edition • vSphere ESXi 5 Standard Edition
250 Users	• UCS C240 M3 • UCS B200 M3	• vSphere ESXi 5.1 Standard Edition • vSphere ESXi 5 Standard Edition
800 Users	• UCS C460 M2 • UCS B440 M2	• vSphere ESXi 5.1 Enterprise Edition • vSphere ESXi 5 Enterprise Plus Edition
2000 Users	• UCS C460 M2 • UCS B440 M2	• vSphere ESXi 5.1 Enterprise Edition • vSphere ESXi 5 Enterprise Plus Edition

Note Co-residency with vCenter is supported with 50 and 250 user system deployments only. Co-residency with Cisco Unified Communications products on the same physical host is not supported.

The supported co-resident configurations are described in these sections:

- 50 User System, on page 8
- 250 User System, on page 11

Resources Consumed by Cisco WebEx Meetings Server and the ESXi Host

Cisco WebEx Meetings Server is deployed on one or more virtual machines on ESXi hosts. CPU and memory resources, and storage space, is consumed by Cisco WebEx Meetings Server and by ESXi (VMware component that enables virtualization on the physical Cisco UCS Server). Depending on your system size, vCenter and multiple virtual machines may run on the same Cisco UCS server.

Cisco WebEx Meetings Server uses "resource reservation" for its virtual machines to guarantee system scalability. Other VMware workloads do not take CPU and other resources away from the virtual machines. The minimum requirements for each system size includes enough resources to support:

- Continued quality of service for Cisco WebEx Meeting Server at peak system usage (maximum capacity).
- VMware ESXi.
- VMware vCenter (when co-resident).

  For the requirements for vCenter Server, see http://kb.vmware.com and search for "Installing vCenter Server 5.0 best practices" or "Installing vCenter Server 5.1 best practices", respectively.
- VMware snapshots of the virtual machine (delete these as soon as possible otherwise you may experience severe performance degradation).

  Extra disk space is required for snapshots, as some snapshots may be as large as the original virtual machine. In some cases, vSphere may delete snapshots to create storage space, compromising the ability to roll back to previous snapshots.
- Use of the Cisco UCS Server over the typical life cycle of the server.

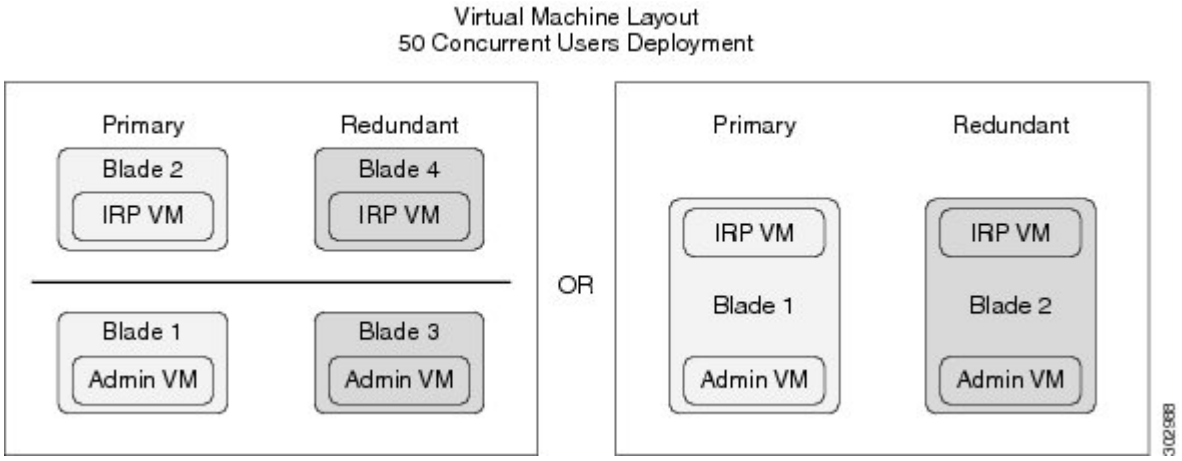
Remember The hardware requirements specified in the OVA file are the minimum requirements that are needed to deploy Cisco WebEx Meetings Server. These requirements *do not include* any CPU, memory, or storage requirements for VMware vCenter or ESXi.

Important The requirements for the Cisco UCS Servers, as listed in the following tables, include requirements for Cisco WebEx Meetings Server 1.x, VMware ESXi 5.0 and 5.1, and vCenter 5.0 and 5.1 (in supported co-residency configurations). Be sure to purchase hardware with the specifications defined in the following tables.

Caution Co-residency, other than the configurations listed in the following tables, are not supported. If you disregard our system requirements, your virtual machines may not be able to boot. The deployment of the virtual machines may stall from within the earliest product screens during the vCenter OVA deployment.

50 User System

This is a schematic diagram of a 50 user system. The diagram illustrates two versions of a 50 user deployment. If you plan to add an HA system, those virtual machines are shown as the "redundant" virtual machines. If you do not want HA, then only deploy the primary system.



The following table lists the minimum hardware requirements for the ESXi hosts (Cisco UCS servers) in your system. For general requirements, see General System Requirements, on page 1.

For more information about the bandwidth requirements, see Bandwidth on Cisco WebEx Meetings Server Network Interfaces.

Note Because the resource requirements for ESXi 5.1 is greater than that for ESXi 5.0, Cisco requires additional CPU cores for a system deployed on vSphere ESXi 5.1.

Note Co-residency with vCenter is supported with a 50 user system deployment as configured in the following table.

Note IOPS numbers for storage are not available for this release. Use the speed for internal drives (last column) as a guidance. You can substitute these internal drives with SAN or SSD.

Note For brevity, we use the acronym IRP for the Internet Reverse Proxy in the following table.

Virtual Machines on ESXi Host (Cisco UCS Server)	CPU Cores	Memory (GB)	Ethernet Ports	DAS (Local)Hard Drive
Admin	• 4 (ESXi 5.0) • 6 (ESXi 5.1)	24	• 2 for the Admin virtual machine, including 1 if NIC teaming is used for redundancy • 1 recommended for ESXi management network	1 TB; 7200 RPM
Admin and vCenter (co-resident)	• 8 (ESXi 5.0) • 10 (ESXi 5.1)	36	• 2 for the Admin virtual machine, including 1 if NIC teaming is used for redundancy • 1 for vCenter • 1 recommended for ESXi management network	1 TB; 7200 RPM
IRP	• 4 (ESXi 5.0) • 6 (ESXi 5.1)	12	• 2 for the IRP virtual machine, including 1 if NIC teaming is used for redundancy • 1 recommended for ESXi management network	300 GB; 7200 RPM
Admin and IRP (co-resident)	8	36	• 2 for the Admin virtual machine, including 1 if NIC teaming is used for redundancy • 2 for IRP virtual machine, including 1 if NIC teaming is used for redundancy • 1 recommended for ESXi management network	1 TB; 7200 RPM

Virtual Machines on ESXi Host (Cisco UCS Server)	CPU Cores	Memory (GB)	Ethernet Ports	DAS (Local)Hard Drive
Admin and IRP and vCenter (all co-resident)	12	40	• 2 for the Admin virtual machine, including 1 if NIC teaming is used for redundancy • 2 for IRP virtual machine, including 1 if NIC teaming is used for redundancy • 1 for vCenter • 1 recommended for ESXi management network	1 TB; 7200 RPM

Note If you plan to use an HA system, purchase the same hardware requirements and quantities as the primary system.

Resources Reserved by the Virtual Machines in a 50 User System

This section illustrates how much media the virtual machines use and is intended for those with expert knowledge of VMware. CPU resources are specified as vCPUs (cores) and MHz (CPU cycles). The VMware VMkernel uses MHz cycles to control CPU scheduling.

Memory resources are specified by maximum memory and reserved memory. Reserved memory is not shared with other virtual machines on the same physical Cisco UCS Server.

Disk resources (storage) are controlled in two separate areas. During the OVA build, the CentOS filesystem partition sizes determine the minimum disk size. Secondly, vCenter controls the maximum disk space available.

Important The numbers in this table do not include resources for VMware ESXi or vCenter. See Resources Consumed by Cisco WebEx Meetings Server and the ESXi Host, on page 7.

Virtual Machine Type	Virtual CPU (vCPU)	CPU[1] (MHz)	Reserved Memory/Total Memory[2] (GB)	Disks (GB)
Admin	4	8000	12/14	418
Internet Reverse Proxy	4	8000	4/4	128

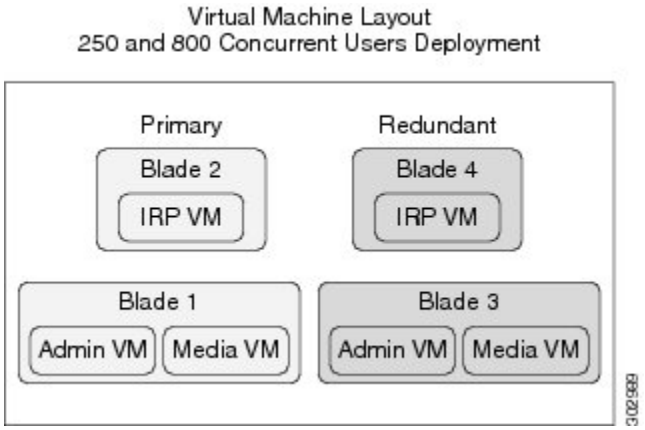
1 Number obtained by multiplying the number of physical CPUs with the speed of the CPU chip (MHz). Hyperthreading is not included in this calculation. (The physical CPU must have a clock speed of 2.4 GHz or faster.)

2 Virtual machines with media functionality have additional, non-reserved memory; Memory = Reserved/Total

Note If you attempt to deploy a virtual machine without the minimum number of vCPUs, then the OVA deployment of the virtual machine will fail. If you attempt to deploy a virtual machine without the minimum total MHz, then the virtual machine will not power on.

250 User System

This is a schematic diagram of a 250 user system. If you plan to add an HA system, those virtual machines are shown as the "redundant" virtual machines. If you do not want HA, then only deploy the primary system.



The following table lists the minimum hardware requirements for the ESXi hosts (Cisco UCS servers) in your system. For general requirements, see General System Requirements, on page 1.

For more information about the bandwidth requirements, see Bandwidth on Cisco WebEx Meetings Server Network Interfaces.

Note Co-residency with vCenter is supported with a 250 user system deployment as configured in the following table.

Note IOPS numbers for storage are not available for this release. Use the speed for internal drives (last column) as a guidance. You can substitute these internal drives with SAN or SSD.

Note For brevity, we use the acronym IRP for the Internet Reverse Proxy in the following table.

Virtual Machines on ESXi Host (Cisco UCS Server)	CPU Cores	Memory (GB)	Ethernet Ports	DAS (Local)Hard Drive
Admin and Media	12	52	• 2 for Admin and Media, including 1 if NIC teaming is used for redundancy • 1 recommended for ESXi management network	1 TB; 7200 RPM
(Admin and Media) and vCenter (co-resident)	16	56	• 2 for Admin and Media, including 1 if NIC teaming is used for redundancy • 1 recommended for ESXi management network • 1 for vCenter	1 TB; 7200 RPM
IRP	12	36	• 2 for IRP, including 1 if NIC teaming is used for redundancy • 1 recommended for ESXi management network	300 GB; 7200 RPM

Note If you plan to use an HA system, purchase the same hardware requirements and quantities as the primary system.

Resources Reserved by the Virtual Machines in a 250 User System

This section illustrates how much media the virtual machines use and is intended for those with expert knowledge of VMware. CPU resources are specified as vCPUs (cores) and MHz (CPU cycles). The VMware VMkernel uses MHz cycles to control CPU scheduling.

Memory resources are specified by maximum memory and reserved memory. Reserved memory is not shared with other virtual machines on the same physical Cisco UCS Server.

Disk resources (storage) are controlled in two separate areas. During the OVA build, the CentOS filesystem partition sizes determine the minimum disk size. Secondly, vCenter controls the maximum disk space available.

Important The numbers in this table do not include resources for VMware ESXi or vCenter. See Resources Consumed by Cisco WebEx Meetings Server and the ESXi Host, on page 7.

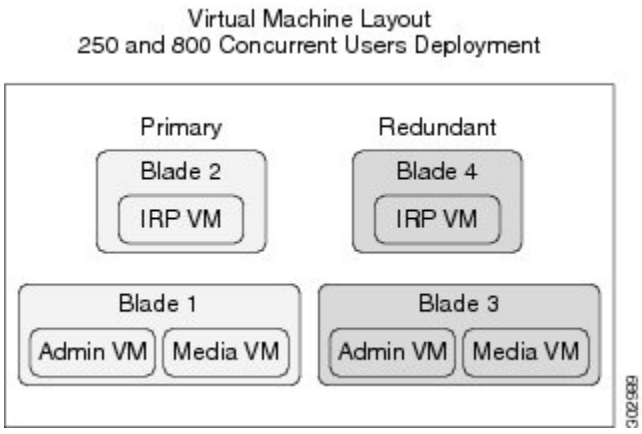
Virtual Machine Type	Virtual CPU (vCPU)	CPU[3] (MHz)	Reserved Memory/Total Memory[4] (GB)	Disks (GB)
Admin	4	8000	16/16	418
Media	8	16,480	13/23	128
Internet Reverse Proxy	8	16,480	6/6	128

3 Number obtained by multiplying the number of physical CPUs with the speed of the CPU chip (MHz). Hyperthreading is not included in this calculation. (The physical CPU must have a clock speed of 2.4 GHz or faster.)
4 Virtual machines with media functionality have additional, non-reserved memory; Memory = Reserved/Total

Note If you attempt to deploy a virtual machine without the minimum number of vCPUs, then the OVA deployment of the virtual machine will fail. If you attempt to deploy a virtual machine without the minimum total MHz, then the virtual machine will not power on.

800 User System

This is a schematic diagram of an 800 user system. If you plan to add a HA system, those virtual machines are shown as the "redundant" virtual machines. If you do not want HA, then only deploy the primary system.



The following table lists the minimum hardware requirements for the ESXi hosts (Cisco UCS servers) in your system. For general requirements, see General System Requirements, on page 1.

For more information about the bandwidth requirements, see Bandwidth on Cisco WebEx Meetings Server Network Interfaces.

Note Co-residency with vCenter is not supported with an 800 user system deployment.

Note IOPS numbers for storage are not available for this release. Use the speed for internal drives (last column) as a guidance. You can substitute these internal drives with SAN or SSD.

Note For brevity, we use the acronym IRP for the Internet Reverse Proxy in the following table.

Virtual Machines on ESXi Host (Cisco UCS Server)	CPU Cores	Memory (GB)	Ethernet Ports	DAS (Local)Hard Drive
Admin and Media (combined)	40	80	• 2 for Admin and Media, including 1 if NIC teaming is used for redundancy • 1 recommended for ESXi management network	1 TB; 10,000 RPM
IRP	40	36	• 2 for IRP, including 1 if NIC teaming is used for redundancy • 1 recommended for ESXi management network	300 GB; 10,000 RPM

Note If you plan to use an HA system, purchase the same hardware requirements and quantities as the primary system.

Resources Reserved by the Virtual Machines in a 800 User System

This section illustrates how much media the virtual machines use and is intended for those with expert knowledge of VMware. CPU resources are specified as vCPUs (cores) and MHz (CPU cycles). The VMware VMkernel uses MHz cycles to control CPU scheduling.

Memory resources are specified by maximum memory and reserved memory. Reserved memory is not shared with other virtual machines on the same physical Cisco UCS Server.

Disk resources (storage) are controlled in two separate areas. During the OVA build, the CentOS filesystem partition sizes determine the minimum disk size. Secondly, vCenter controls the maximum disk space available.

Important The numbers in this table do not include resources for VMware ESXi. See Resources Consumed by Cisco WebEx Meetings Server and the ESXi Host, on page 7.

Virtual Machine Type	Virtual CPU (vCPU)	CPU[5] (MHz)	Reserved Memory/Total Memory[6] (GB)	Disks (GB)
Admin	10	20,600	16/16	418
Media	30	61,800	14/44	128
Internet Reverse Proxy	20	41,200	10/10	128

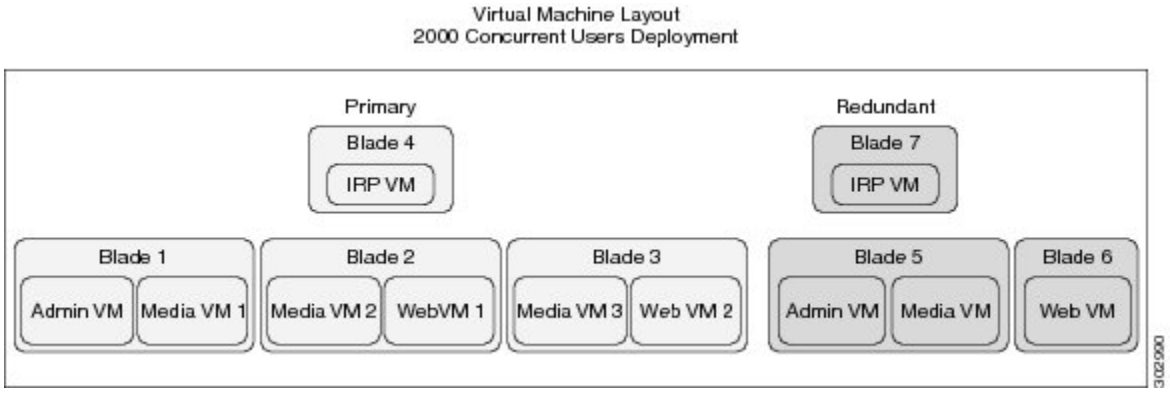
5 Number obtained by multiplying the number of physical CPUs with the speed of the CPU chip (MHz). Hyperthreading is not included in this calculation. (The physical CPU must have a clock speed of 2.4 GHz or faster.)

6 Virtual machines with media functionality have additional, non-reserved memory; Memory = Reserved/Total

Note If you attempt to deploy a virtual machine without the minimum number of vCPUs, then the OVA deployment of the virtual machine will fail. If you attempt to deploy a virtual machine without the minimum total MHz, then the virtual machine will not power on.

2000 User System

This is a schematic diagram of a 2000 user system.



The following table lists the minimum hardware requirements for the ESXi hosts (Cisco UCS servers) in your system. For general requirements, see General System Requirements, on page 1.

For more information about the bandwidth requirements, see Bandwidth on Cisco WebEx Meetings Server Network Interfaces.

If you plan to add a HA system, those virtual machines are shown as the "redundant" virtual machines. If you do not want HA, then only deploy the primary system.

Note Co-residency with vCenter is not supported with a 2000 user system deployment.

Note IOPS numbers for storage are not available for this release. Use the speed for internal drives (last column) as a guidance. You can substitute these internal drives with SAN or SSD.

Note For brevity, we use the acronym IRP for the Internet Reverse Proxy in the following table.

Virtual Machines on ESXi Host (Cisco UCS Server)	CPU Cores	Memory (GB)	Ethernet Ports	DAS (Local)Hard Drive
Media1 and Admin (combined)	40	80	• 2 for Media1 and Admin, including 1 if NIC teaming is used for redundancy • 1 recommended for ESXi management network	1 TB; 10,000 RPM
Media2 and Web1 (combined)	40	80	• 2 for Media2 and Web1, including 1 if NIC teaming is used for redundancy • 1 recommended for ESXi management network	1 TB; 10,000 RPM
Media3 and Web2 (combined)	40	80	• 2 for Media3 and Web2, including 1 if NIC teaming is used for redundancy • 1 recommended for ESXi management network	1 TB; 10,000 RPM

Virtual Machines on ESXi Host (Cisco UCS Server)	CPU Cores	Memory (GB)	Ethernet Ports	DAS (Local)Hard Drive
IRP	40	36	• 2 for IRP, including 1 if NIC teaming is used for redundancy • 1 recommended for ESXi management network	300 GB; 10,000 RPM
Media and Admin (combined) for HA	40	80	• 2 for Media and Admin, including 1 if NIC teaming is used for redundancy • 1 recommended for ESXi management network	1 TB; 10,000 RPM
Web for HA	40	80	• 2 for Web, including 1 if NIC teaming is used for redundancy • 1 recommended for ESXi management network	1 TB; 10,000 RPM
IRP for HA	40	36	• 2 for IRP, including 1 if NIC teaming is used for redundancy • 1 recommended for ESXi management network	300 GB; 10,000 RPM

Resources Reserved by the Virtual Machines in a 2000 User System

This section illustrates how much media the virtual machines use and is intended for those with expert knowledge of VMware. CPU resources are specified as vCPUs (cores) and MHz (CPU cycles). The VMware VMkernel uses MHz cycles to control CPU scheduling.

Memory resources are specified by maximum memory and reserved memory. Reserved memory is not shared with other virtual machines on the same physical Cisco UCS Server.

Disk resources (storage) are controlled in two separate areas. During the OVA build, the CentOS filesystem partition sizes determine the minimum disk size. Secondly, vCenter controls the maximum disk space available.

Important The numbers in this table do not include resources for VMware ESXi. See Resources Consumed by Cisco WebEx Meetings Server and the ESXi Host, on page 7.

Virtual Machine Type	Virtual CPU (vCPU)	CPU[7] (MHz)	Reserved Memory/Total Memory[8] (GB)	Disks (GB)
Admin	10	20,600	16/16	418
Media	30	61,800	14/44	128
Web	10	20,600	16/16	128
Internet Reverse Proxy	20	41,200	10/10	128

7 Number obtained by multiplying the number of physical CPUs with the speed of the CPU chip (MHz). Hyperthreading is not included in this calculation. (The physical CPU must have a clock speed of 2.4 GHz or faster.)
8 Virtual machines with media functionality have additional, non-reserved memory; Memory = Reserved/Total

Note If you attempt to deploy a virtual machine without the minimum number of vCPUs, then the OVA deployment of the virtual machine will fail. If you attempt to deploy a virtual machine without the minimum total MHz, then the virtual machine will not power on.

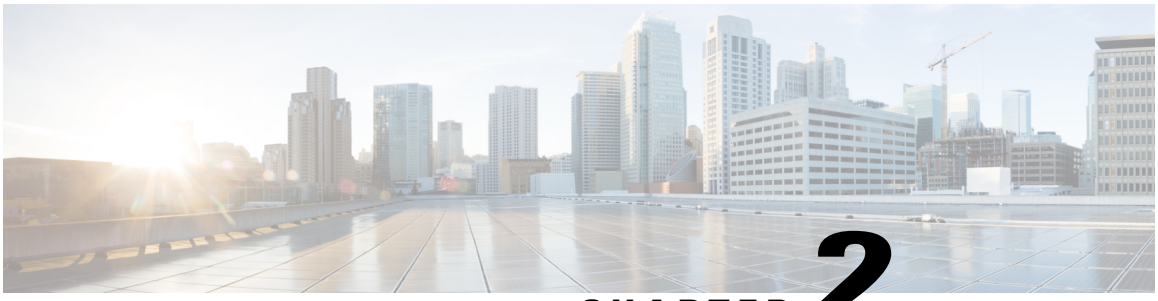
System Capacity Matrix

The numbers in the table below represent the design capacity for the Cisco WebEx Meetings Server system. Operating the system at a capacity higher than these specifications can result in a degraded user experience and may result in system instability. Cisco reserves the right to enforce capacity limits at these levels.

Table 2: System Capacity Matrix

System Capacity	2000 user system	800 user system	250 user system	50 user system	Notes
Maximum Simultaneous Audio Connections (Teleconference Phone Calls and Voice Connection Using Computer From Meeting Clients)	2000	800	250	50	The system capacity remains the same as shown on the left, regardless of what combination of the following features are used: • G.711, G.722, G.729 audio codecs • IPv4 or IPv6 teleconferencing • TLS/SRTP audio encryption

System Capacity	2000 user system	800 user system	250 user system	50 user system	Notes
Maximum Call Rate (calls/per second)	20	8	3	1	
Maximum Concurrent Meetings	1000	400	125	25	
Maximum Concurrent Video and Video File Sharing Users	1000	400	125	25	
Maximum Concurrent Meeting Connections (Desktop, Application, or File Sharing Users)	2000	800	250	50	This number includes hosts and participants.
Maximum Meetings That Can be Recorded Simultaneously	100	40	13	3	
Maximum Concurrent Recording Playback Sessions	500	200	63	12	
Maximum User Profiles in Database	400,000	400,000	400,000	400,000	This number includes active and deactivated users.
Maximum Concurrent Sign-in	20 people per second	8 people per second	3 people per second	1 person per second	
Maximum Aggregate Bandwidth Utilization	5 Gbps	2 Gbps	625 Mbps	125 Mbps	



CHAPTER 2

Cisco WebEx Meetings Server Integration Matrix

This document provides information for Cisco WebEx Meetings Server integration with Cisco Unified Communications and audio endpoint compatibility.

- Cisco Unified Communications Integration, page 21
- Audio Endpoint Compatibility, page 22

Cisco Unified Communications Integration

Compatibility With Cisco Unified Communications Manager

Cisco WebEx Meetings Server is compatible with the following releases of Cisco Unified Communications Manager:

- 9.1
- 7.1
- 8.6
- 9.0

Cisco Jabber Integration

Cisco WebEx Meetings Server is compatible with the following versions of Cisco Jabber:

- Cisco Jabber for Windows 9.1.2 and later

Cisco Jabber for Windows supports Cisco WebEx Meetings Server with LDAP/Active Directory integration.

Restriction

For information about integrating with Cisco WebEx Meetings Server, see the Cisco Jabber for Windows documentation at http://www.cisco.com/en/US/products/ps12511/tsd_products_support_series_home.html.

Note Not all Cisco Jabber versions or platforms support integration with Cisco WebEx Meetings Server. To confirm support, refer to the appropriate Cisco Jabber documentation at http://www.cisco.com/web/products/voice/jabber.html.

Audio Endpoint Compatibility

You may use any standards-based audio endpoint that connects to Cisco Unified Communications Manager to join a WebEx meeting on the conferencing system. The supported audio endpoints include the Cisco IP Phones, Telepresence endpoints, and PSTN devices such as mobile phones and landline phones. Many audio endpoints support audio and video connectivity. However, only audio connectivity to the Cisco WebEx Meetings Server is supported.

Note To permit users from outside the organization to join WebEx meetings using PSTN devices, your company must deploy Analog-to-VoIP Gateways such as Cisco Integrated Service Routers (ISR).

For a list of Cisco Unified IP Phones supported by Cisco Unified Communications Manager and the Device Packs available for each model, see http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/compat/devpack_comp_mtx.html#wp262585.