



Hardware and Software Compatibility Information for IM and Presence Service on Cisco Unified Communications Manager, Release 9.0(1)

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This document describes the version and compatibility requirements for installing and upgrading the IM and Presence Service. The document also provides information about the hardware platforms and software applications that are compatible with the IM and Presence Service from Release 9.0(1).

Before you install IM and Presence, we recommend that you review the [“IM and Presence Software Compatibility”](#) section on [page 9](#) for information about issues that may affect your system.

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IM and Presence Hardware Compatibility

Table 1 shows the servers that IM and Presence supports for Release 9.0(1).

Legend for Table 1:

- Blank cell—server is not supported
- X—server is supported for production use
- B—server is supported for a bridged upgrade

Table 1 *IM and Presence Server Support*

MCS Platform Model	IM and Presence Service Software Release 9.0(1)	Notes
7816 Servers		
MCS-7816-H3	X, B	Bridge support only with < 4 GB RAM. Full support with 4 GB and above.
MCS-7816-I3	X, B	Bridge support only with < 4 GB RAM. Full support with 4 GB and above.
MCS-7816-I4	X, B	Bridge support only with < 4 GB RAM. Full support with 4 GB and above.
MCS-7816-I5	X	
7825 Servers		
MCS-7825-H2		
MCS-7825-I2		
MCS-7825-H3	X, B	Bridge support only with < 4 GB RAM. Full support with 4 GB and above.
MCS-7825-I3	X, B	Bridge support only with < 4 GB RAM. Full support with 4 GB and above.
MCS-7825-H4	X, B	Bridge support only with < 4 GB RAM. Full support with 4 GB and above.
MCS-7825-I4	X, B	Bridge support only with < 4 GB RAM. Full support with 4 GB and above.
MCS-7825-I5	X	

Table 1

IM and Presence Server Support

MCS Platform Model	IM and Presence Service Software Release 9.0(1)	Notes
7835 Servers		
MCS-7835-H2	X, B	Bridge support only with < 4 GB RAM and post-raid disk array size of 72 GB or less. Full support above these values.
MCS-7835-I2	X, B	Bridge support only with < 4 GB RAM and post-raid disk array size of 72 GB or less. Full support above these values.
MCS-7835-I3	X	
7845 Servers		
MCS-7845-H2	X, B	Bridge support only with 2 raid arrays of size 72 GB or less. Full support above these values.
MCS-7845-I2	X, B	Bridge support only with 2 raid arrays of size 72 GB or less. Full support above these values.
MCS-7845-I3	X	Minimum memory of 6 GB RAM required.
MCS-7845-H3	X	Minimum memory of 6 GB RAM required.
Other Servers		
UCS-B200M1	X	
UCS-B200M2	X	
UCS-C200M2	X	
UCS-C210M1	X	
UCS-C210M2	X	
UCS-C260M2 TRC#1	X	
UCS-B440M2 TRC#1	X	
UCS-B230M2 TRC#1	X	
UCS-B200M3 TRC#1	X	
UCS-C240M3S TRC#1	X	
UCS-C220M3S TRC#1	X	
UCS-C220M3S TRC#2	X	
VMware on IBM/HP server	X	As specified for VMware support for Cisco Unified Communications.

Supported Federations with IM and Presence Release 9.0(1)

Table 2 *IM and Presence Federations*

	IM and Presence Release 9.0(1)
Interdomain Federation	
Cisco Unified Presence 7.x	No
Cisco Unified Presence 8.0	Yes
Cisco Unified Presence 8.5	Yes
Cisco Unified Presence 8.6	Yes
Webex Connect 6.0 ¹	Yes
Webex Connect 7.0	Yes
Jabber XCP 4.5	Yes
IBM Sametime 8.2	Yes
IBM Sametime 8.5	Yes
Microsoft LCS 2005	Yes
Microsoft OCS 2007	Yes
Microsoft OCS R2	Yes
Microsoft Lync	Yes
AOL ²	Yes
GoogleTalk	Yes
Intradomain Federation	
Cisco Unified Presence 7 (intercluster)	No
Cisco Unified Presence 8 (intercluster)	No
Cisco Unified Presence 8.5 (intercluster)	No
Cisco Unified Presence 8.6 (intercluster)	Yes
Microsoft LCS 2005	Yes
Microsoft OCS 2007	No
Microsoft OCS R2	Yes
Microsoft Lync	Yes

Table 2

IM and Presence Federations (continued)

	IM and Presence Release 9.0(1)
Support Adaptive Security Appliance (ASA)	
Cisco ASA Version 8.4(7)	Yes

1. Currently testing validation against Webex Connect 6.5.
2. Validated against AIM client version 7.5.11.9.

User Capacities with IM and Presence Release 9.0(1)

- [Number of IM and Presence Users Supported](#), page 6
- [Number of Microsoft Office Communicator Users Supported For Remote Call Control](#), page 8

Number of IM and Presence Users Supported

Table 3 identifies the number of users that IM and Presence Release 9.0(1) can sustain for Cisco Unified Communications mode depending on your server type and your deployment strategy.

Table 3 *IM and Presence 9.0(1) Capacities for Cisco Unified Communications Mode*

Cisco Unified Communications Mode			
Deployment Model	Platform Model	Number of Users Supported	Number of Users Supported (Guaranteed High Availability)
Single Node	MCS7816 ¹	1000	
Single Node	MCS7825 ¹	2000	
Single Node	MCS7835 ¹ (or UCS B series / C series equivalent)	5000	
Single Node	MCS7845 ¹ (or UCS B series / C series equivalent)	15000	
Multi-Node Cluster (6 nodes)	MCS7816 ¹	3000	3000
Multi-Node Cluster (6 nodes)	MCS7825 ¹	6000	6000
Multi-Node Cluster (6 nodes)	MCS7835 ¹ (or UCS B series / C series equivalent)	15000	15000
Multi-Node Cluster (6 nodes)	MCS7845 ¹ (or UCS B series / C series equivalent)	45000	45000

1. Validated against 7816-I5, 7825-I5, 7835-I5 , 7845-I3 HW

Table 4 identifies the number of users that IM and Presence Release 9.0(1) can sustain for IM–Only Mode depending on your server type and your deployment strategy.

Table 4 *IM and Presence 9.0(1) Capacities for IM-Only Mode*

Jabber for Everyone (IM–Only User) Mode			
Deployment Model	Platform Model	Number of Users Supported	Number of Users Supported (Guaranteed High Availability)
Single Node	MCS7816 ¹	2500	
Single Node	MCS7825 ¹	5000	
Single Node	MCS7835 ¹ (or UCS B series / C series equivalent)	12500	
Single Node	MCS7845 ¹ (or UCS B series / C series equivalent)	25000	
Multi-Node Cluster (3 nodes)	MCS7816 ¹	7500	7500
Multi-Node Cluster (3 nodes)	MCS7825 ¹	15000	15000
Multi-Node Cluster (3 nodes)	MCS7835 ¹ (or UCS B series / C series equivalent)	37500	37500
Multi-Node Cluster (3 nodes)	MCS7845 ¹ (or UCS B series / C series equivalent)	75000	75000

1. Validated against 7816-I5, 7825-I5, 7835-I5 , 7845-I3 HW

If you are deploying two or more nodes in your IM and Presence installation, use the multi-node feature in IM and Presence and ensure that your hardware is compatible with this feature. This is necessary for both a fresh install and upgrade of IM and Presence. See the *Deployment Guide for IM and Presence Service on Cisco Unified Communications Manager* for more information about specific multi-node deployment strategies and hardware support information for a multi-node deployment

Number of Microsoft Office Communicator Users Supported For Remote Call Control

The Cisco Unified Communications Manager server that you use determines how many users are supported when interoperating with Microsoft Office Communicator for Remote Call Control. Remote Call Control is a unique deployment mode for IM and Presence which enables Microsoft Office Communicator Users to control Cisco IP Telephony endpoints. This is a separate and independent deployment mode from standard IM and Presence functions. The IM and Presence server is required only as the gateway and does not limit user capacity. [Table 5](#) identifies the number of Microsoft Office Communicator users that are supported per server and per cluster.


Note

Capacity numbers for Microsoft Office Communicator interoperability are defined based on Cisco Unified Communications Manager, not IM and Presence; Cisco Unified Communications Server is required to provide CSTA Gateway.

Table 5
Microsoft Office Communicator Interoperability

Microsoft Office Communicator Interoperability Mode (Microsoft Client Mode)			
Cisco Unified Communication Manager Platform	Number of Microsoft Office Communicator User Supported Per Server	Number of Microsoft Office Communicator User Support Per Cluster	IM and Presence Server Dependency
MCS7825	900	3600	IM and Presence Server Required as Gateway, no IM and Presence server capacity limitation. ¹
MCS7835	2000	8000	IM and Presence Server Required as Gateway, no IM and Presence server capacity limitation. ¹
MCS7845 (I3)	10000	40000	IM and Presence Server Required as Gateway, no IM and Presence server capacity limitation. ¹

1. A maximum of 2 IM and Presence servers in a cluster is supported.

IM and Presence Software Compatibility

Table 6 shows the supported integrations with various software.

Table 6 *IM and Presence Release 9.0(1) Software Compatibility*

		IM and Presence Software Release 9.0(1)
Cisco Unified Communications Manager	9.0	Yes
Cisco Jabber¹	Cisco Jabber for Windows	Yes
	Cisco Jabber for Mac	Yes
	Cisco Jabber IM for BlackBerry	Yes
	Cisco Jabber IM for iPhone	Yes
	Cisco Jabber for iPad	Yes
	Cisco Jabber Web SDK	Yes
Cisco Unified Personal Communicator	8.6.2	Yes
Cisco Cius	9.2.1 or later	Yes
Webex Social (Quad)	2.5.x, 3.x	Yes
Microsoft Remote Call Control (RCC)	LCS 2005	Yes
	OCS 2007	Yes
	OCS R2	Yes
	Lync	Yes
Microsoft Exchange Calendaring	Exchange 2003	Yes
	Exchange 2007	Yes
	Exchange 2010	Yes
IBM for Presence Service (PCAP)	Sametime 7.5(1)	Yes
	Sametime 8.0(1)	Yes
	Sametime 8.5(1)	Yes
Cisco Phone Control and Presence PCAP Client - Sametime Interop	9.0	Yes

1. For version compatibility for all Cisco Jabber clients, see the appropriate Cisco Jabber client documentation.

Supported Cisco AJAX XMPP Libraries

Table 7 displays support for Cisco AJAX XMPP Libraries (CAXL).

Table 7 CAXL Support

IM and Presence Release	CAXL 2.0.1	CAXL 2.1.1	CAXL 8.5	CAXL 8.6
9.0(1)	Yes	Yes	Yes	Yes

See the Cisco Developer Network for details around CAXL interfaces.

Supported Interfaces with IM and Presence Release 9.0(1)

Table 8 displays support for interfaces with IM and Presence Release 9.0(1).

Table 8 Supported IM and Presence Interfaces

	IM and Presence Release 9.0(1)
SIP/SIMPLE	Yes
REST	Yes
SOAP	Yes
XMPP	Yes
Cisco AJAX XMPP Library (CAXL)	Yes

Related Documentation

For the latest IM and Presence requirements, refer to the *Release Notes for Cisco Unified Communications Manager* at the following URL:

http://www.cisco.com/en/US/products/sw/voicesw/ps556/prod_release_notes_list.html

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