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

September 13, 2013
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.

- IM and Presence Hardware Compatibility, page 2
- Supported Federations with IM and Presence Release 9.0(1), page 4
- User Capacities with IM and Presence Release 9.0(1), page 6
- IM and Presence Software Compatibility, page 9
- Supported Cisco AJAX XMPP Libraries, page 10
- Supported Interfaces with IM and Presence Release 9.0(1), page 10
- Related Documentation, page 11
### 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

<table>
<thead>
<tr>
<th>MCS Platform Model</th>
<th>IM and Presence Service Software Release 9.0(1)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>7816 Servers</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MCS-7816-H3</td>
<td>X, B</td>
<td>Bridge support only with &lt; 4 GB RAM. Full support with 4 GB and above.</td>
</tr>
<tr>
<td>MCS-7816-I3</td>
<td>X, B</td>
<td>Bridge support only with &lt; 4 GB RAM. Full support with 4 GB and above.</td>
</tr>
<tr>
<td>MCS-7816-I4</td>
<td>X, B</td>
<td>Bridge support only with &lt; 4 GB RAM. Full support with 4 GB and above.</td>
</tr>
<tr>
<td>MCS-7816-I5</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td><strong>7825 Servers</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MCS-7825-H2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MCS-7825-I2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MCS-7825-H3</td>
<td>X, B</td>
<td>Bridge support only with &lt; 4 GB RAM. Full support with 4 GB and above.</td>
</tr>
<tr>
<td>MCS-7825-I3</td>
<td>X, B</td>
<td>Bridge support only with &lt; 4 GB RAM. Full support with 4 GB and above.</td>
</tr>
<tr>
<td>MCS-7825-H4</td>
<td>X, B</td>
<td>Bridge support only with &lt; 4 GB RAM. Full support with 4 GB and above.</td>
</tr>
<tr>
<td>MCS-7825-I4</td>
<td>X, B</td>
<td>Bridge support only with &lt; 4 GB RAM. Full support with 4 GB and above.</td>
</tr>
<tr>
<td>MCS-7825-I5</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>
Table 1  IM and Presence Server Support

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

#### Table 2  
**IM and Presence Federations**

<table>
<thead>
<tr>
<th>Interdomain Federation</th>
<th>IM and Presence Release 9.0(1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cisco Unified Presence 7.x</td>
<td>No</td>
</tr>
<tr>
<td>Cisco Unified Presence 8.0</td>
<td>Yes</td>
</tr>
<tr>
<td>Cisco Unified Presence 8.5</td>
<td>Yes</td>
</tr>
<tr>
<td>Cisco Unified Presence 8.6</td>
<td>Yes</td>
</tr>
<tr>
<td>Webex Connect 6.0¹</td>
<td>Yes</td>
</tr>
<tr>
<td>Webex Connect 7.0</td>
<td>Yes</td>
</tr>
<tr>
<td>Jabber XCP 4.5</td>
<td>Yes</td>
</tr>
<tr>
<td>IBM Sametime 8.2</td>
<td>Yes</td>
</tr>
<tr>
<td>IBM Sametime 8.5</td>
<td>Yes</td>
</tr>
<tr>
<td>Microsoft LCS 2005</td>
<td>Yes</td>
</tr>
<tr>
<td>Microsoft OCS 2007</td>
<td>Yes</td>
</tr>
<tr>
<td>Microsoft OCS R2</td>
<td>Yes</td>
</tr>
<tr>
<td>Microsoft Lync</td>
<td>Yes</td>
</tr>
<tr>
<td>AOL²</td>
<td>Yes</td>
</tr>
<tr>
<td>GoogleTalk</td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Intradomain Federation</th>
<th>IM and Presence Release 9.0(1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cisco Unified Presence 7 (intercluster)</td>
<td>No</td>
</tr>
<tr>
<td>Cisco Unified Presence 8 (intercluster)</td>
<td>No</td>
</tr>
<tr>
<td>Cisco Unified Presence 8.5 (intercluster)</td>
<td>No</td>
</tr>
<tr>
<td>Cisco Unified Presence 8.6 (intercluster)</td>
<td>Yes</td>
</tr>
<tr>
<td>Microsoft LCS 2005</td>
<td>Yes</td>
</tr>
<tr>
<td>Microsoft OCS 2007</td>
<td>No</td>
</tr>
<tr>
<td>Microsoft OCS R2</td>
<td>Yes</td>
</tr>
<tr>
<td>Microsoft Lync</td>
<td>Yes</td>
</tr>
</tbody>
</table>
### Table 2: IM and Presence Federations (continued)

<table>
<thead>
<tr>
<th>Support Adaptive Security Appliance (ASA)</th>
<th>IM and Presence Release 9.0(1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cisco ASA Version 8.4(7)</td>
<td>Yes</td>
</tr>
</tbody>
</table>

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>
<thead>
<tr>
<th>Deployment Model</th>
<th>Platform Model</th>
<th>Number of Users Supported</th>
<th>Number of Users Supported (Guaranteed High Availability)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Node</td>
<td>MCS7816¹</td>
<td>1000</td>
<td></td>
</tr>
<tr>
<td>Single Node</td>
<td>MCS7825¹</td>
<td>2000</td>
<td></td>
</tr>
<tr>
<td>Single Node</td>
<td>MCS7835¹ (or UCS B series / C series equivalent)</td>
<td>5000</td>
<td></td>
</tr>
<tr>
<td>Single Node</td>
<td>MCS7845¹ (or UCS B series / C series equivalent)</td>
<td>15000</td>
<td></td>
</tr>
<tr>
<td>Multi-Node Cluster (6 nodes)</td>
<td>MCS7816¹</td>
<td>3000</td>
<td>3000</td>
</tr>
<tr>
<td>Multi-Node Cluster (6 nodes)</td>
<td>MCS7825¹</td>
<td>6000</td>
<td>6000</td>
</tr>
<tr>
<td>Multi-Node Cluster (6 nodes)</td>
<td>MCS7835¹ (or UCS B series / C series equivalent)</td>
<td>15000</td>
<td>15000</td>
</tr>
<tr>
<td>Multi-Node Cluster (6 nodes)</td>
<td>MCS7845¹ (or UCS B series / C series equivalent)</td>
<td>45000</td>
<td>45000</td>
</tr>
</tbody>
</table>

¹. Validated against 7816-15, 7825-15, 7835-15, 7845-13 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*

<table>
<thead>
<tr>
<th>Deployment Model</th>
<th>Platform Model</th>
<th>Number of Users Supported</th>
<th>Number of Users Supported (Guaranteed High Availability)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Node</td>
<td>MCS7816¹</td>
<td>2500</td>
<td></td>
</tr>
<tr>
<td>Single Node</td>
<td>MCS7825¹</td>
<td>5000</td>
<td></td>
</tr>
<tr>
<td>Single Node</td>
<td>MCS7835¹ (or UCS B series / C series equivalent)</td>
<td>12500</td>
<td></td>
</tr>
<tr>
<td>Single Node</td>
<td>MCS7845¹ (or UCS B series / C series equivalent)</td>
<td>25000</td>
<td></td>
</tr>
<tr>
<td>Multi-Node Cluster (3 nodes)</td>
<td>MCS7816¹</td>
<td>7500</td>
<td>7500</td>
</tr>
<tr>
<td>Multi-Node Cluster (3 nodes)</td>
<td>MCS7825¹</td>
<td>15000</td>
<td>15000</td>
</tr>
<tr>
<td>Multi-Node Cluster (3 nodes)</td>
<td>MCS7835¹ (or UCS B series / C series equivalent)</td>
<td>37500</td>
<td>37500</td>
</tr>
<tr>
<td>Multi-Node Cluster (3 nodes)</td>
<td>MCS7845¹ (or UCS B series / C series equivalent)</td>
<td>75000</td>
<td>75000</td>
</tr>
</tbody>
</table>

¹. Validated against 7816-15, 7825-15, 7835-15, 7845-13 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

<table>
<thead>
<tr>
<th>Cisco Unified Communication Manager Platform</th>
<th>Number of Microsoft Office Communicator User Supported Per Server</th>
<th>Number of Microsoft Office Communicator User Support Per Cluster</th>
<th>IM and Presence Server Dependency</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCS7825</td>
<td>900</td>
<td>3600</td>
<td>IM and Presence Server Required as Gateway, no IM and Presence server capacity limitation.¹</td>
</tr>
<tr>
<td>MCS7835</td>
<td>2000</td>
<td>8000</td>
<td>IM and Presence Server Required as Gateway, no IM and Presence server capacity limitation.¹</td>
</tr>
<tr>
<td>MCS7845 (I3)</td>
<td>10000</td>
<td>40000</td>
<td>IM and Presence Server Required as Gateway, no IM and Presence server capacity limitation.¹</td>
</tr>
</tbody>
</table>

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

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

\(^1\) 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>
<thead>
<tr>
<th>IM and Presence Release</th>
<th>CAXL 2.0.1</th>
<th>CAXL 2.1.1</th>
<th>CAXL 8.5</th>
<th>CAXL 8.6</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.0(1)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

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>
<thead>
<tr>
<th>Supported IM and Presence Interfaces</th>
<th>IM and Presence Release 9.0(1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIP/SIMPLE</td>
<td>Yes</td>
</tr>
<tr>
<td>REST</td>
<td>Yes</td>
</tr>
<tr>
<td>SOAP</td>
<td>Yes</td>
</tr>
<tr>
<td>XMPP</td>
<td>Yes</td>
</tr>
<tr>
<td>Cisco AJAX XMPP Library (CAXL)</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Related Documentation

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

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