



System Requirements and Compatibility Matrix for the Cisco TelePresence Exchange System

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This document summarizes the required hardware and minimum software releases that the Cisco TelePresence Exchange System solution requires, as well as compatibility information for the integration of the Cisco TelePresence Exchange System with other components.

See the following sections, which are organized by release version:

- [Cisco TelePresence Exchange System Release 1.3, page 1](#)
- [Cisco TelePresence Exchange System Release 1.2, page 4](#)
- [Cisco TelePresence Exchange System Release 1.1, page 7](#)
- [Cisco TelePresence Exchange System Release 1.0\(3\), page 10](#)
- [Cisco TelePresence Exchange System Release 1.0\(2\), page 12](#)

For links to other Cisco TelePresence Exchange System documentation, see the [“Related Documentation”](#) section on page 13.

Cisco TelePresence Exchange System Release 1.3

For Cisco TelePresence Exchange System Release 1.3 system requirements, compatibility information, and supported operating systems and browsers, see the following tables:

- [Table 1](#)—Hardware and Software Requirements for the Cisco TelePresence Exchange System Release 1.3 and Related Cisco Platforms
- [Table 2](#)—Supported Telepresence Endpoints for Cisco TelePresence Exchange System Release 1.3
- [Table 3](#)—Supported Operating Systems and Browsers for Cisco TelePresence Exchange System Release 1.3



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Table 1 **Hardware and Software Requirements for the Cisco TelePresence Exchange System Release 1.3 and Related Cisco Platforms**

Component	Required Hardware	Supported Software Release
Cisco TelePresence Exchange System—Virtual Machines	For virtualization requirements, see the Release Notes for Cisco TelePresence Exchange System Release 1.3 at http://www.cisco.com/en/US/products/ps11276/prod_release_notes_list.html	1.3
	Fabric Interconnect	5.0.3
Cisco TelePresence Exchange System—Physical Machines	Cisco MCS 7845-I3 servers—quantity of 6	1.3
Adaptive Security Appliances (ASA) Firewall	ASA Firewall (5500 series)	8.2.5
Cisco Application Control Engine (ACE)	Cisco ACE 4710	5.1.0
Cisco Switch	Cisco Catalyst 6500	122-33.SXI8a
	Nexus 7k	5.2
	Nexus 1K	4.2.1.SV1.4a
Cisco TelePresence Manager (CTS-Manager)	For hardware requirements, see the Release Notes for Cisco TelePresence Manager at http://www.cisco.com/en/US/products/ps7074/prod_release_notes_list.html	1.9.1
Cisco TelePresence MSE 8000 Series	Cisco TelePresence MSE 8050 System Supervisor Blade	2.3(1.31)
	Cisco TelePresence ISDN Gateway MSE 8321	2.2(1.79)
	Cisco TelePresence MCU MSE 8510 (HD/SD)	4.4(3.49)
	Cisco TelePresence Server MSE 8710 (TPS)	3.0(2.48)
Cisco TelePresence Multipoint Switch	For hardware requirements, see the Release Notes for Cisco TelePresence Multipoint Switch at http://www.cisco.com/en/US/products/ps7315/prod_release_notes_list.html	1.9.3
Cisco Unified Communications Manager	For hardware requirements, see the Release Notes for Cisco Unified Communications Manager at http://www.cisco.com/en/US/products/sw/voicesw/ps556/prod_release_notes_list.html	9.1.1.10000-11,10.5*
CE Router	ISR 3845, ISR 3945	15.1(3)T1
PSTN Gateway	AS5400 series	12.4(15)T17
Cisco Router with IVR	AS5350	15.1(3)T

Table 1 *Hardware and Software Requirements for the Cisco TelePresence Exchange System Release 1.3 and Related Cisco Platforms (continued)*

Component	Required Hardware	Supported Software Release
Cisco TelePresence Video Communication Server (VCS)	—	X7.2
Cisco Session Border Controller (SBC)/ Cisco Unified Border Element (CUBE)—Service Provider Core (SIP or H.323)	Cisco Aggregation Services Router (ASR1K)	XE 3.7.2
Cisco Session Border Controller (SBC)/ Cisco Unified Border Element (CUBE)—Enterprise	CUBE Enterprise (ISR 3945)	15.2(2)T
Cisco Telepresence Server - Virtual Machines	For hardware requirements, see the Release Notes for Cisco Telepresence Server on Virtual Machine at http://www.cisco.com/c/en/us/support/conferencing/telepresence-server/products-release-notes-list.html	4.1(2.33) **
Cisco Telepresence Video Communication Server Expressway	For hardware requirements, see the Release Notes for Cisco Telepresence Video Communication Server at http://www.cisco.com/c/dam/en/us/td/docs/telepresence/infrastructure/vcs/release_note/Cisco-VCS-Release-Note-X8-6.pdf	X8.6***

- * Recommended CUCM SW version to support vTS in CTX 1.3 solution.
- ** Support is available from CTX Release 1.3.0.4.3.0 onwards
- *** Recommended VCS Expressway SW version to support vTS in CTX 1.3 Starter package.

Table 2 *Supported Cisco Telepresence Endpoints for Cisco TelePresence Exchange System Release 1.3*

Endpoint	Supported Software Release
CTS	1.10.0
	IP Phone load: 9-2-1S
	MIDlet: TSPM-1.10.0-P1-1S
TX9000 Series (immersive)	TX6.0
EX Series (personal)	TC6.1
MX Series, SX20 Quick Set, Quick Set C20, Integrator C Series	TC6.1

Table 2 *Supported Cisco Telepresence Endpoints for Cisco TelePresence Exchange System Release 1.3 (continued)*

Endpoint	Supported Software Release
Cisco Jabber for Windows (Unified CM)—CUPC 9.0.1	9.2.1
Cisco Jabber for iPad (Unified CM)—CUPC 9.0.1	9.3.1
Jabber Video (formerly Movi)	4.6.3.17194
Cisco Unified IP Phone 9971, 9951, and 8941	9.3.1
IX5000 Series (immersive)	IX8.1 *

- * Support is available from CTX Release 1.3.0.4.3.0 onwards.

Table 3 *Supported Operating Systems and Browsers for Cisco TelePresence Exchange System Release 1.3*

Platform	Operating Systems	Browsers
Microsoft Windows	- Windows XP - Windows 7	- Windows Internet Explorer (IE) versions 8.x and 9.x - Mozilla Firefox versions 11.0 and 12.0
Mac	OS X 10.7 and later	Mozilla Firefox versions 11.0 and 12.0

Cisco TelePresence Exchange System Release 1.2

For Cisco TelePresence Exchange System Release 1.2 system requirements, compatibility information, and supported operating systems and browsers, see the following tables:

- [Table 4](#)—Hardware and Software Requirements for the Cisco TelePresence Exchange System Release 1.2 and Related Cisco Platforms
- [Table 5](#)—Supported Telepresence Endpoints for Cisco TelePresence Exchange System Release 1.2
- [Table 6](#)—Supported Operating Systems and Browsers for Cisco TelePresence Exchange System Release 1.2

Table 4 *Hardware and Software Requirements for the Cisco TelePresence Exchange System Release 1.2 and Related Cisco Platforms*

Component	Required Hardware	Supported Software Release
Cisco TelePresence Exchange System—Virtual Machines	Cisco UCS B-series blade servers—quantity of 2 For additional virtualization requirements, see the Release Notes for Cisco TelePresence Exchange System Release 1.2 at http://www.cisco.com/en/US/products/ps11276/prod_release_notes_list.html	1.2
	Fabric Interconnect	5.0.3

Table 4 *Hardware and Software Requirements for the Cisco TelePresence Exchange System Release 1.2 and Related Cisco Platforms (continued)*

Component	Required Hardware	Supported Software Release
Cisco TelePresence Exchange System—Physical Machines	Cisco MCS 7845-I3 servers—quantity of 6	1.2
Adaptive Security Appliances (ASA) Firewall	ASA Firewall (5500 series)	8.2.5
Cisco Application Control Engine (ACE)	Cisco ACE 4710	4.1.1
Cisco Switch	Cisco Catalyst 6500	122-33.SXI8a
	Nexus 7k	5.2
	Nexus 1K	4.2.1
Cisco TelePresence Manager (CTS-Manager)	For hardware requirements, see the Release Notes for Cisco TelePresence Manager at http://www.cisco.com/en/US/products/ps7074/prod_release_notes_list.html	1.9.1
Cisco TelePresence MSE 8000 Series	Cisco TelePresence MSE 8050 System Supervisor Blade	2.2(1.17)
	Cisco TelePresence ISDN Gateway MSE 8321	2.1(1.49)
	Cisco TelePresence MCU MSE 8510 (HD/SD)	4.3(2.32)
	Cisco TelePresence Server MSE 8710 (TPS)	2.3(1.55)
Cisco TelePresence Multipoint Switch	For hardware requirements, see the Release Notes for Cisco TelePresence Multipoint Switch at http://www.cisco.com/en/US/products/ps7315/prod_release_notes_list.html	1.9.1
Cisco Unified Communications Manager	For hardware requirements, see the Release Notes for Cisco Unified Communications Manager at http://www.cisco.com/en/US/products/sw/voicesw/ps556/prod_release_notes_list.html	9.1(1)
CE Router	ISR 3845, ISR 3945	15.1(3)T1
PSTN Gateway	AS5400 series	12.4(15)T17
Cisco Router with IVR	AS5350	15.1(3)T
Cisco TelePresence Video Communication Server (VCS)	—	X7.2

Table 4 *Hardware and Software Requirements for the Cisco TelePresence Exchange System Release 1.2 and Related Cisco Platforms (continued)*

Component	Required Hardware	Supported Software Release
Cisco Session Border Controller (SBC)/ Cisco Unified Border Element (CUBE)—Service Provider Core (SIP or H.323)	Cisco Aggregation Services Router (ASR1K)	XE 3.4(4s)
Cisco Session Border Controller (SBC)/ Cisco Unified Border Element (CUBE)—Enterprise	CUBE Enterprise (ISR 3945)	15.2(2)T

Table 5 *Supported Cisco Telepresence Endpoints for Cisco TelePresence Exchange System Release 1.2*

Endpoint	Supported Software Release
CTS	1.9.2
	IP Phone load: 9-2-1S
	MIDlet: TSPM-1.9.1-P1-S1 or TSPM-1.9.1-P2-S1
TX9000 Series (immersive)	1.9.2
EX Series (personal)	TE6.0
MX Series, SX20 Quick Set, Quick Set C20, Integrator C Series	TC6.0
Cisco Jabber for Windows (Unified CM)—CUPC 9.0.1	9.0.5
Cisco Jabber for iPad (Unified CM)—CUPC 9.0.1	9.0
Jabber Video (formerly Movi)	4.5.7
Cisco Unified IP Phone 9971, 9951, and 8941	9.3.1
T3 (immersive)	TCU4.1
1700 MXP	F9.1.2

Table 6 *Supported Operating Systems and Browsers for Cisco TelePresence Exchange System Release 1.2*

Platform	Operating Systems	Browsers
Microsoft Windows	- Windows XP - Windows 7	- Windows Internet Explorer (IE) versions 8.x and 9.x - Mozilla Firefox versions 11.0 and 12.0
Mac	OS X 10.7 and later	Mozilla Firefox versions 11.0 and 12.0

Cisco TelePresence Exchange System Release 1.1

For Cisco TelePresence Exchange System Release 1.1 system requirements and compatibility information, see the following tables:

- [Table 7](#)—Hardware and Software Requirements for the Cisco TelePresence Exchange System Release 1.1 and Related Cisco Platforms
- [Table 8](#)—Supported Telepresence Endpoints for Cisco TelePresence Exchange System Release 1.1

Table 7 *Hardware and Software Requirements for the Cisco TelePresence Exchange System Release 1.1 and Related Cisco Platforms*

Component	Required Hardware	Supported Software Release
Cisco TelePresence Exchange System	Cisco TelePresence Exchange Server (Cisco MCS 7845-I3)—quantity of 6	1.1
Adaptive Security Appliances (ASA) Firewall	ASA Firewall (5500 series)	8.2.5
Cisco Application Control Engine (ACE)	Cisco ACE 4710	4.1.1
Cisco Switch	Cisco Catalyst 6500	122-33.SXI8a
	Nexus 7k	5.2
Cisco TelePresence Manager	For hardware requirements, see the <i>Release Notes for Cisco TelePresence Manager Release 1.8</i> at http://www.cisco.com/en/US/docs/telepresence/cts_manager/1_8/release/ctm_rn1_8.html .	1.8.0 build 582
Cisco TelePresence MSE 8000 Series	Cisco TelePresence MSE 8050 System Supervisor Blade	2.2(1.17)
	Cisco TelePresence ISDN Gateway MSE 8321	2.1(1.43)
	Cisco TelePresence MCU MSE 8510 (HD/SD)	4.3(1.68)
	Cisco TelePresence Server MSE 8710 (TPS)	2.2(1.54)

Table 7 **Hardware and Software Requirements for the Cisco TelePresence Exchange System Release 1.1 and Related Cisco Platforms (continued)**

Component	Required Hardware	Supported Software Release
Cisco TelePresence Multipoint Switch	For hardware requirements, see the <i>Release Notes for Cisco TelePresence Multipoint Switch Release 1.8</i> at http://www.cisco.com/en/US/docs/telepresence/multipoint_switch/1_8/release/notes/CTMS_1_8_RNs.html .	1.8.3
Cisco Unified Communications Manager	For hardware requirements, see the <i>Release Notes for Cisco Unified Communications Manager Release 8.6(2a)</i> at http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/rel_notes/8_6_2/cucm-rel_notes-862a.html .	8.6(2a)SU1
ISR/IOS PSTN Gateway	3900 Series	15.1.3T1
Cisco TelePresence Video Communication Server (VCS)	—	X7.0.3
Cisco Router with IVR	3900 Series	15.1.3T1
Cisco Session Border Controller (SBC)/ Cisco Unified Border Element (CUBE)—Service Provider Core (SIP or H.323)	Cisco Aggregation Services Router (ASR1K)	XE 3.5(2s)
Cisco Session Border Controller (SBC)/ Cisco Unified Border Element (CUBE)—Enterprise	Cisco Aggregation Services Router (ASR1K) CUBE Enterprise (ISR 3945)	XE 3.5(2s) 15.2(2)T
Cisco TelePresence Exchange System administration console browser support	Microsoft Internet Explorer (IE)	Version 9.x / 8.x
	Mozilla Firefox	Version 3.7 and later

Table 8 **Supported Telepresence Endpoints for Cisco TelePresence Exchange System Release 1.1**

Endpoint	Supported Software Release
Cisco SIP Endpoints	
CTS	1.7.4, 1.8.0(55) Phone load/MIDlet version: CTS.1-7-4-270R-K9.P1.sbn/TSP M.1-7-4-P1-2S/cmterm-CTS.1-8-0-55R-K9.P1.cop.sgn
CTS—IP Phone	9-2-1S
C20/C60/C90	TC5.1
E20	TE4.1.1
EX60	TC5.1
EX90	TC5.1
Cisco Jabber for Windows - Soft phone - IP Phone 9971, 9951, and 8941	9.0
Cisco Jabber for iPad (soft phone)	9.0
Jabber Video (formerly Movi)	4.3
Cius	9.2.2
IP Phone 9971, 9951, and 8941	9.2.3
Cisco H.323/H.320 Endpoints	
1700 MXP	F9.1.1
3000 MXP	F9.1.1
Edge 95	F9.0.2
Maestro	F9.1.1
Non-Cisco Endpoints (H.323/H.320)	
Lifesize Room 220	4.5.0(23)
Polycom HDX 4000/4002	3.0.3.1
Polycom HDX 7000	3.0.3.1
Polycom HDX 8000	3.0.3.1
Polycom HDX 9000/9002	3.0.3.1

Cisco TelePresence Exchange System Release 1.0(3)

For Cisco TelePresence Exchange System Release 1.0(3) system requirements and compatibility information, see the following tables:

- [Table 9](#)—Hardware and Software Requirements for the Cisco TelePresence Exchange System Release 1.0(3) and Related Cisco Platforms
- [Table 10](#)—Supported Telepresence Endpoints for Cisco TelePresence Exchange System Release 1.0(3)

Table 9 *Hardware and Software Requirements for the Cisco TelePresence Exchange System Release 1.0(3) and Related Cisco Platforms*

Component	Required Hardware	Supported Software Release
Cisco TelePresence Exchange System	Cisco TelePresence Exchange Server (quantity of 6)	1.0.3
Adaptive Security Appliances (ASA) Firewall	ASA Firewall (5500 series)	8.2.5
Cisco Application Control Engine (ACE)	Cisco ACE 4710	4.1.1
Cisco TelePresence Manager	Cisco MCS 7845-I3	1.7.2(256)
Cisco TelePresence MSE 8000 Series	Cisco TelePresence MSE 8050 System Supervisor Blade	2.1(1.18)
	Cisco TelePresence ISDN Gateway MSE 8321	2.0(1.51)
	Cisco TelePresence MCU MSE 8510	4.2(1.43)
	Cisco TelePresence Server MSE 8710	2.2(1.43)
Cisco TelePresence Multipoint Switch	Cisco MCS 7845-I2	1.7.2.0(75)
Cisco Unified Communications Manager	Cisco MCS 7845	8.5.1
ISR/IOS PSTN Gateway	—	12.4(15)T14, 15.0.1M
Cisco TelePresence Video Communication Server (VCS)	—	X6.0
Cisco Router with IVR	Cisco 2811 Integrated Services Router (ISR) and Cisco AS5350XM Universal Gateway	12.4(15)T14
Cisco Session Border Controller	Cisco ASR 1002 to Cisco ASR 1006 Router	XE 3.2.1-15.1(1)

Table 9 *Hardware and Software Requirements for the Cisco TelePresence Exchange System Release 1.0(3) and Related Cisco Platforms (continued)*

Component	Required Hardware	Supported Software Release
Cisco Unified Border Element (CUBE)/SBC	ASR1K SBC (all platforms)	Minimum: XE3.2.1 / 15.1(1)S Full features: XE3.3.1 / 15.1(2)S
	CUBE Enterprise (ISR 3945)	Minimum: 15.1(2)T2 Full features: 15.1(2)T2
Cisco TelePresence Exchange System administration console browser support	Microsoft Internet Explorer (IE)	Version 7.x
	Mozilla Firefox	Version 3.x

Table 10 *Supported Telepresence Endpoints for Cisco TelePresence Exchange System Release 1.0(3)*

Endpoint	Supported Software Release
Cisco SIP Endpoints	
CTS	1.7.2
C20/C60/C90	TC4.0.1
EX20	TE2.2.1
EX90	TC4.0.1
Cisco H.323/H.320 Endpoints	
C20/C60/C90	TC4.0.1
E20	TE2.2.1
EX90	TC4.0.1
1700 MXP	F8.1 PAL
3000 MXP	F8.2 NTSC
Edge 95	F9.0 NTSC
Maestro	F7.2 NTSC
Non-Cisco Endpoints (H.323/H.320)	
Lifesize Room 200	4.7.10(14)
Lifesize Room 220	4.5.6(2)
Polycom HDX 4000	2.5.0.7-4032
Polycom HDX 7000	2.6.1-5159
Polycom HDX 8000	2.6.1
Polycom HDX 9002	2.5.0.8-4035
Polycom QDX 6000	2.6.1

Table 10 **Supported Telepresence Endpoints for Cisco TelePresence Exchange System Release 1.0(3) (continued)**

Endpoint	Supported Software Release
Polycom ViewStation	7.5.2
Polycom VSX 7000	9.0.5
Radvision VC240	1001.13

Cisco TelePresence Exchange System Release 1.0(2)

The Cisco TelePresence Exchange System Release 1.0(2) system requirements are listed in [Table 11](#).

Table 11 **Hardware and Software Requirements for the Cisco TelePresence Exchange System Release 1.0(2) and Related Cisco Platforms**

Component	Required Hardware	Minimum Software Release
Cisco TelePresence Exchange System	Cisco TelePresence Exchange Server (quantity of 6)	1.0.2
Cisco Application Control Engine (ACE)	Cisco ACE 4710	4.1.1
Cisco Catalyst Switch	Cisco Catalyst 4948 Switch Note Cisco recommends a Gigabit Ethernet switch with at least 48 ports.	12.2(31) SGA11
Cisco TelePresence Manager	Cisco MCS 7845-I3	1.7.2(256)
Cisco TelePresence MSE 8000 Series	Cisco TelePresence MSE 8050 System Supervisor Blade	2.1(1.18)
	Cisco TelePresence ISDN Gateway MSE 8321	2.0(1.51)
	Cisco TelePresence MCU MSE 8510	4.1(1.51)
	Cisco TelePresence Server MSE 8710	2.1(1.35)
Cisco TelePresence Multipoint Switch	Cisco MCS 7845-I2	1.7.2
Cisco TelePresence System Endpoints	—	1.7.1
Cisco Unified CM	Cisco MCS 7845	8.0(3a)SU2
Cisco TelePresence Video Communication Server (VCS)	—	X5.2
Cisco Router with IVR	Cisco 2811 Integrated Services Router (ISR) and Cisco AS5350XM Universal Gateway	12.4(15)T14

Table 11 **Hardware and Software Requirements for the Cisco TelePresence Exchange System Release 1.0(2) and Related Cisco Platforms (continued)**

Component	Required Hardware	Minimum Software Release
Cisco Session Border Controller	Cisco ASR 1002 to Cisco ASR 1006 Router	XE 3.2.1-15.1(1)
Browser support	Microsoft Internet Explorer (IE)	Version 7.x
	Mozilla Firefox	Version 3.x

Related Documentation

For information specific to a particular Cisco TelePresence Exchange System release, see the applicable release note at http://www.cisco.com/en/US/products/ps11276/prod_release_notes_list.html.

For access to all Cisco TelePresence Exchange System documentation, go to the following URL: <http://www.cisco.com/go/ctx-docs>.

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at: <http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

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