



System Release Notes for IP Telephony: Cisco Unified Communications System Release 8.5(1)

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Overview

As part of its standard methodology Cisco Systems performs system-wide testing of the Cisco Unified Communications family of products to supplement the product-level testing performed on each Cisco Unified Communications product.

A major deliverable of the System Release and Cisco Unified Communications System testing is a recommendation of compatible software releases that have been verified by the testing teams. The recommendations are not exclusive and are in addition to interoperability recommendations for each of the individual voice application or voice infrastructure products.

For information about component software releases for Cisco Unified Communications System Release 8.5(1), see [System Requirements, page 12](#). Software compatibility data for all Cisco Unified Communications System releases, as well as updated compatibility information for this release, is available from the Cisco Unified Communications Compatibility Tool at: <http://tools.cisco.com/ITDIT/vtgsca>

This document focuses on the IP telephony components of Cisco Unified Communications system testing. Information about contact center components that were tested for Cisco Unified Communications System System Release 8.5(1) is available at: <http://cisco.com/go/unified-techinfo>

This document provides release notes for the testing conducted on systems including the following types of components:

- Call control components, such as Cisco Unified Communications Manager, Cisco Unified Communications Manager Business Edition, Cisco Unified Communications Manager Express, Cisco Intercompany Media Engine, and Cisco Unified Presence
- Voice applications, such as Cisco Emergency Responder
- Conferencing components, such as Cisco Unified MeetingPlace, and Cisco Unified Videoconferencing
- Voice mail and unified messaging components, such as Cisco Unity, Cisco Unity Connection, and Cisco Unity Express
- Endpoints and clients, such as Cisco Unified IP Phones 6900 Series, 8900 Series, 9900 Series, Cisco Unified Personal Communicator, and Cisco UC Integration™ for Microsoft Office Communicator and Cisco Unified Communications for RTX (UC for RTX)
- Security devices, such as Cisco ASA 5500 Series Adaptive Security Appliances
- Network management tools, such as Cisco Unified Operations Manager, Cisco Unified Service Statistics Manager, and Cisco Unified Service Monitor
- Communications infrastructure devices, such as Cisco routers, gateways/gatekeepers, and switches

**Note**

For a more complete list of IP telephony components that are included in a Unified Communications System Release 8.5(1), see [Software Version Matrix, page 14](#).

Tested Functionality

The system-wide testing of IP telephony functionality for Cisco Unified Communications System Release 8.5(1) included the following direct and upgrade paths:

- Multistage upgrade of IP telephony components from Cisco Unified Communications System Release 8.0(2) to Cisco Unified Communications System Release 8.5(1). For a list of the base Release 8.0(2) versions, see *System Release Notes for IP Telephony: Cisco Unified Communications System, Release 8.0(2)* at:
http://www.cisco.com/en/US/docs/voice_ip_comm/uc_system/UC8.0.2/release_notes/rnipt802.html
- Multistage upgrade of IP telephony components from Cisco Unified Communications System Release 7.1(3) to Cisco Unified Communications System Release 8.5(1). For a list of the base Release 7.1(3) versions, see the *System Release Notes for IP Telephony: Cisco Unified Communications System, Release 7.1(3)* at:
http://www.cisco.com/en/US/docs/voice_ip_comm/uc_system/UC7.1.3/release_notes/rnipt713.html
- Multistage upgrade of IP telephony components from Cisco Unified Communications System Release 6.1(1) to Cisco Unified Communications System Release 8.5(1). For a list of the base Release 6.1(1) versions, see the *System Release Notes for IP Telephony: Cisco Unified Communications System, Release 6.1(1)* at:
http://www.cisco.com/en/US/docs/voice_ip_comm/uc_system/UC6.1.1/release_notes/rnipt611.html

For a list of the target Cisco Unified Communications System Release 8.5(1) versions that the main components were upgraded to, see [Software Version Matrix, page 14](#).

For system upgrade procedures for Cisco Unified Communications System Release 8.5(1), see the *System Installation and Upgrade Manual for IP Telephony* at:

http://www.cisco.com/en/US/docs/voice_ip_comm/uc_system/UC8.5.1/ipt_system_inst_upg/suimt851.pdf

The following Unified Communications components were tested on Unified Computing System C-Series Blade Servers:

- Cisco Unified Communications Manager
- Cisco Unified Communications Manager Session Management Edition
- Cisco Unity Connection
- Cisco Unified Presence
- Cisco Unified Contact Center Express

For more information about Unified Communications on Unified Computing System (Virtualization), see http://docwiki.cisco.com/wiki/Unified_Communications_Virtualization.

New and Changed Features

Cisco Unified Communications System Release 8.5(1) integrates telephony, conferencing (voice and web), and messaging products for enterprise IP customers in a variety of deployment models using SIP and SCCP endpoints over IP networks. The IP telephony system is a part of the end-to-end system release for enterprise Cisco Unified Communications, which is centered on the latest Unified Communications Manager release.

The following sections provide brief overviews of new and enhanced features for Cisco Unified Communications System Release 8.5(1) major components and links to release note documentation:

- [Cisco Unified Communications Manager](#)
- [Cisco Unified Communications Manager Business Edition 3000, 5000, 6000](#)
- [Cisco Intercompany Media Engine](#)
- [Cisco Unified Contact Center Express](#)
- [Cisco Unified Presence](#)
- [Cisco Unified SIP Proxy](#)
- [Cisco Emergency Responder](#)
- [Cisco Unified Business/Department Attendant Console](#)
- [Cisco Unified Enterprise Attendant Console](#)
- [Cisco Unified MeetingPlace](#)
- [Cisco Unity](#)
- [Cisco Unity Connection](#)
- [Cisco Unity Express](#)
- [Cisco Unified Messaging Gateway](#)
- [Cisco Unified Survivable Remote Site Voicemail-Cisco Unity Express \(SRSV-CUE\)](#)
- [Cisco Unified IP Phone Support](#)
- [Cisco IP Communicator](#)
- [Cisco Unified Personal Communicator](#)
- [Cisco UC Integration™ for Microsoft Lync](#)
- [Cisco Unified Communications for RTX](#)
- [Cisco Adaptive Security Appliance](#)
- [Cisco Unified Operations Manager](#)
- [Cisco Unified Service Monitor](#)
- [Cisco Unified Service Statistics Manager](#)
- [Cisco Unified Provisioning Manager](#)
- [Unified Computing System C-Series Blade Servers \(Unified Communications Virtualization\)](#)
- [Cisco IOS Release 15.1\(3\)T](#)

Cisco Unified Communications Manager

Cisco Unified Communications Manager Release 8.5(1) includes the following new features and changes to functionality:

- Installation, Upgrade, and Migration changes
- Command Line Interface changes
- Cisco Unified Communications Manager Administration changes
- Cisco Unified Communications Manager Features and Applications changes
- Security changes
- Bulk Administration tool changes
- Enhanced support for Cisco Unified IP Phones and Video Endpoints
- Cisco Unified Serviceability changes
- Cisco Unified Communication Manager Express
- Cisco Unified Survivable Remote Site Telephony (SRST)

For detailed information about these changes, see *New and Changed Info for Cisco Unified Communications Manager Release 8.5(1)* at:

http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/rel_notes/8_5_1/delta/delta.pdf

For other information about Release 8.5(1), see *Release Notes for Cisco Unified Communications Manager Release 8.5(1)* at:

http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/rel_notes/8_5_1/cucm-rel_notes-851.pdf

Cisco Unified Communications Manager Business Edition 3000, 5000, 6000

Cisco Unified Communications System Release 8.5(1) supports Cisco Unified Communications Manager Business Edition 3000, 5000, and 6000. For information about features and functionality, see *New and Changed Info for Cisco Unified Communications Manager Release 8.5(1)* at:

http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/rel_notes/8_5_1/delta/delta.pdf

Cisco Intercompany Media Engine

Cisco Unified Communications System Release 8.5(1) supports Cisco Intercompany Media Engine for this release. For information about features and functionality, see *Release Notes for Cisco Intercompany Media Engine Release 8.5(1)* at:

http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/ime/8_5_1/rel_notes/ime-rel_notes-851.pdf

Cisco Unified Contact Center Express

Cisco Unified Contact Center Express 8.5(1) includes the following new features and changes to functionality:

- Outbound IVR feature
- Increased scalability to support 400 agents and 400 unified ports
- Simplified and enhanced Telephony Data Synchronization
- Agent Email feature enhancements
- Support for multiple new platforms

- Support for Virtualization

For information about features and functionality, see *Release Notes for Cisco Unified Contact Center Express Release 8.5(1)* at:

http://www.cisco.com/en/US/docs/voice_ip_comm/cust_contact/contact_center/crs/express_8_5/release/guide/uccx851rn.pdf

Cisco Unified Presence

Cisco Unified Presence Server Release 8.5(1) includes the following new features and changes to functionality:

- Support for High Availability
- Support for Email Address for Interdomain Federation
- Support for Turning On or Off Instant Message Capabilities
- Support for Turning On or Off Availability Sharing
- Support for Clustering over WAN
- Support for Exchange Web Services Exchange 2010 Calendar Integration
- Support for SIP Federation with AOL
- Support for Global Do Not Disturb Settings
- Support for Temporary (Ad-Hoc) Presence Subscriptions
- Support for Cisco Unified Personal Communicator Release 8.5
- Support for Cisco Adaptive Security Appliance
- Support Policy for Extensible Messaging and Presence Protocol
- Support for VMware on Customer Deployments

For information about features and functionality, see *Release Notes for Cisco Unified Presence Release 8.5* at:

http://www.cisco.com/en/US/docs/voice_ip_comm/cups/8_5/english/rel_notes/cup8xrn.pdf

Cisco Unified SIP Proxy

Cisco Unified SIP Proxy Release 8.5 includes the following new features and changes to functionality:

- An intuitive and easy-to-use graphical user interface (GUI)
- Support for Cisco Unified SIP Proxy on the SM-SRE-700-K9 and the SM-SRE-900-K9 SRE modules
- The ability to enable or disable Lite Mode
- Enforced licensing using Cisco Software Licensing (CSL)
- Updated functionality for route tables

For information about features and functionality, see *Release Notes for Cisco Unified SIP Proxy Release 8.5* at:

http://www.cisco.com/en/US/docs/voice_ip_comm/cusp/rel8_5/release_notes/cuspr85.pdf

Cisco Emergency Responder

Cisco Emergency Responder Release 8.5(1) includes the following new features and changes to functionality:

- New server support
- Bridge upgrade providing a migration path for customers who use discontinued server models

For information about features and functionality, see *Release Notes for Cisco Emergency Responder 8.5(1)* at:

http://www.cisco.com/en/US/docs/voice_ip_comm/cer/8_5/english/release/notes/cer_851.pdf

Cisco Unified Business/Department Attendant Console

Cisco Unified Enterprise Attendant Console 8.5.1 includes the following changes to functionality:

- Support for Cisco Unified Presence 8.5

For information about features and functionality, see *Release Notes for Cisco Unified Business/Department Attendant Console Release v8.5.1.5* at:

http://www.cisco.com/en/US/docs/voice_ip_comm/cucmac/arc/cubdacrn8515.pdf

Cisco Unified Enterprise Attendant Console

Cisco Unified Enterprise Attendant Console 8.5.1 includes the following changes to functionality:

- Support for Cisco Unified Presence 8.5

For information about features and functionality, see *Release Notes for Cisco Unified Enterprise Attendant Console Release v8.5.1.5* at:

http://www.cisco.com/en/US/docs/voice_ip_comm/cucmac/arc/cueacrn8515.pdf

Cisco Unified MeetingPlace

Cisco Unified Communications System Release 8.5(1) supports Cisco Unified MeetingPlace 8.0. Cisco Unified MeetingPlace release version did not change from the previous Cisco Unified Communications release. For information about features and functionality, see *Release Notes for Cisco Unified MeetingPlace Release 8.0* at:

http://www.cisco.com/en/US/docs/voice_ip_comm/meetingplace/8x/english/releasenotes/mp80rn.pdf

Note that Adhoc conferencing feature in Unified MeetingPlace Releases 8.0/8.5 is not supported with Unified Communications Manager Release 8.5(1).

Cisco Unity

Cisco Unified Communications System Release 8.5(1) supports Cisco Unity Release 8.0(3). Cisco Unity release version did not change from the previous Cisco Unified Communications release. For information about features and functionality, see *Release Notes for Cisco Unity Release 8.0(3)* at:

http://www.cisco.com/en/US/docs/voice_ip_comm/unity/8x/release/notes/803curn.pdf

Cisco Unity Connection

Cisco Unity Connection Release 8.5(1) includes the following new features:

- Advanced settings for intrasite networking
- Announcing when a message is sent to multiple recipients, and listing recipients
- New functionality for Cisco Unity Connection Provisioning Interface (CUPI) API.
- Bulk Administration Enhancements
- Cisco Unity Connection Application and Database Audit Logging
- Cisco Unity Connection Web Inbox
- Internet Protocol Version 6 (IPv6)
- LDAP Integration
- Message Aging Alerts
- Message Recording Expiration
- Run Now functionality on Task Management pages
- Call Routing Rules for conversation styles
- Shredding message files for Secure Delete
- Synchronizing Connection and Exchange mailboxes (Single Inbox)
- System setting for outgoing SMTP connections
- External Services Settings Have Been Replaced with Unified Messaging Settings

Cisco Unity Connection Release 8.5(1) includes the following changes to functionality:

- Toggle between Touchtone and Voice-Recognition conversations
- LDAP integration status of Connection users
- External Services settings replaced with Unified Messaging settings
- Automatic update of search space partition membership

For information about features and functionality, see *Release Notes for Cisco Unity Connection Release 8.5(1)* at:

http://www.cisco.com/en/US/docs/voice_ip_comm/connection/8x/release/notes/851cucrn.pdf

Cisco Unity Express

Cisco Unity Express Release 8.5(1) includes the following new features and changes to functionality:

- New Hardware Supported: Cisco Unity Express 8.5(1) adds support for the SM-SRE-900-K9 module
- Support for Cisco Unified Communications Manager 8.5(1)
- Support for Cisco Unified Communications Manager Express 8.5(1)
- Support for Cisco Unity Connection 8.5(1)
- Support for Cisco Unity 8.5(1)
- Support for Script Editor and Historical Reporting Client in Windows 7

For information about features and functionality, see *Release Notes for Cisco Unity Express 8.5* at:

http://www.cisco.com/en/US/docs/voice_ip_comm/unity_exp/rel8_5/rel_notes/rel_notes85.pdf

Cisco Unified Messaging Gateway

Unified Messaging Gateway Release 8.5(1) includes the following new feature:

- Enhanced Survivable Remote Site Telephony (E-SRST)

For information about features and functionality, see *Release Notes for Cisco Unified Messaging Gateway Release 8.5* at:

http://www.cisco.com/en/US/docs/voice_ip_comm/umg/rel8_5/rel_notes/rn_umg_85.pdf

Cisco Unified Survivable Remote Site Voicemail-Cisco Unity Express (SRSV-CUE)

Cisco Unified Communications System Release 8.5(1) supports Cisco Unified Survivable Remote Site Voicemail-Cisco Unity Express (SRSV-CUE) 8.5.1. For a detailed description of features and functionality, see *Release Notes for Cisco Unified Survivable Remote Site Voicemail-Cisco Unity Express (SRSV-CUE) Release 8.5* at:

http://www.cisco.com/en/US/docs/voice_ip_comm/umg/rel8_5/rel_notes/rn_srsv_cue_85.pdf

Cisco Unified IP Phone Support

Cisco Unified IP Phones 6901, 6911, 6921, 6941, 6961, 6945, 9951, 9971, and 8961(SIP) run on SIP firmware release 9.1(1). SIP Firmware Release 9.1(1) includes the following new features and changes to functionality:

- Automatic port synchronization
- Call History Enhancement
- SIP firmware support for Cisco Unified Video Advantage
- Support for Cisco Unified Communications Manager Express
- Support for Device Unregistration
- Support for Bluetooth Handsfree Profile
- Http Download
- Peer firmware sharing
- Support for '+' dialing
- Power Negotiation
- Support for VDI Client
- Support for VPN Client
- WPA2/AES Encryption with CCKM
- Whisper Coaching

For a detailed description of SIP Firmware Release 9.1(1) features and functionality, see *Cisco Unified IP Phone 8961, 9951, and 9971 (SIP) Release Notes for Firmware Release 9.1(1)SR1* at:

http://www.cisco.com/en/US/docs/voice_ip_comm/cuiphp/9971_9951_8961/firmware/9_1_1/release_notes/9900_8900_911.pdf

Cisco IP Communicator

Cisco IP Communicator 7.0(5) includes the following new features and changes to functionality:

- Windows 7 32-bit: Professional, Enterprise, and Ultimate support

- Windows 7 64-bit: Professional, Enterprise, and Ultimate support

For information about features and functionality, see *Release Notes for Cisco IP Communicator Release 7.0* at:

http://www.cisco.com/en/US/docs/voice_ip_comm/cipc/7_0/english/release/notes/CIPC70_RN.pdf

Cisco Unified Personal Communicator

Cisco Unified Communications System Release 8.5(1) supports Cisco Unified Personal Communicator Release 8.0(1). Cisco Unified Personal Communicator release version did not change from the previous Cisco Unified Communications release. For information about features and functionality, see *Release Notes for Cisco Unified Personal Communicator Release 8.0* at:

http://www.cisco.com/en/US/docs/voice_ip_comm/cupc/8_0/english/release/notes/cupc80.pdf

Cisco UC Integration™ for Microsoft Lync

Cisco UC Integration™ for Microsoft Lync 8.5(1) includes the following new features and changes to functionality:

- Support for Microsoft Office Communicator
- Support for Microsoft Lync and Microsoft Lync Server
- Support for click-to-call features in Microsoft Office 2010 applications
- The single sign on (SSO) feature allows users to sign in to a Windows domain, then use Cisco UC Integration for Microsoft Lync without signing in again.
- User interface enhancements

For information about features and functionality, see *Release Notes for Cisco UC Integration for Microsoft Lync Release 8.5* at:

http://www.cisco.com/en/US/docs/voice_ip_comm/cucimoc/8_5/english/release/cucimocReleaseNote.pdf

Cisco Unified Communications for RTX

Cisco UC Integration for RTX 8.5(1) includes the following new features and changes to functionality:

- The ability to place and receive phone calls, including high-definition video calls
- The ability to place conference calls, transfer calls, park calls, and forward calls
- The ability to start meetings to talk to, and to share documents with, one or more other people

For information about features and functionality, see *Release Notes for Cisco Unified Communications for RTX Release 8.5* at:

http://www.cisco.com/en/US/docs/voice_ip_comm/cucrtx/8_5/english/release/ReleaseNotes8_5.pdf

Cisco Adaptive Security Appliance

Cisco Adaptive Security Appliance Release 8.4(1) includes the following new features and changes to functionality:

- Additional hardware support
- New remote access features
- New interface features

- Increased scalability
- New High Availability features
- New Unified Communication features
- Enhanced inspection
- Improved troubleshooting and monitoring
- New security features

For information about features and functionality, see *Release Notes for the Cisco ASA 5500 Series, Version 8.4(x)* at:

<http://www.cisco.com/en/US/docs/security/asa/asa84/release/notes/asarn84.pdf>

Cisco Unified Operations Manager

Cisco Unified Operations Manager 8.5.1 will be available in CYQ1 2011. For information about features and functionality, see *Release Notes for Cisco Unified Operations Manager 8.5(1)* at:

http://www.cisco.com/en/US/products/ps6535/prod_release_notes_list.html

Cisco Unified Service Monitor

Cisco Unified Service Monitor 8.5.1 will be available in CYQ1 2011. For information about features and functionality, see *Release Notes for Cisco Unified Service Monitor 8.5* at:

http://www.cisco.com/en/US/products/ps6536/prod_release_notes_list.html

Cisco Unified Service Statistics Manager

Cisco Unified Service Statistics Manager 8.5.1 will be available in CYQ1 2011. For information about features and functionality, see *Release Notes for Cisco Unified Service Statistics Manager 8.5* at:

http://www.cisco.com/en/US/products/ps7285/prod_release_notes_list.html

Cisco Unified Provisioning Manager

Cisco Unified Provisioning Manager 8.5 will be available in CYQ1 2011. For information about features and functionality, see *Release Notes for Cisco Unified Provisioning Manager 8.5* at:

http://www.cisco.com/en/US/products/ps7125/prod_release_notes_list.html

Unified Computing System C-Series Blade Servers (Unified Communications Virtualization)

Cisco supports virtualization of Unified Communications components running on Unified Computing System C-Series Blade Servers:

For more information about Unified Communications on Unified Computing System (Virtualization), see http://docwiki.cisco.com/wiki/Unified_Communications_Virtualization.

Cisco IOS Release 15.1(3)T

In Cisco Unified Communications System Release 8.5(1), Cisco IOS Release 15.1(3)T includes the following new features and changes to functionality:

- EHWIC Multimode VDSL2/ADSL+

- VDSL HWIC: HWIC-1VDSL over POTS
- VWIC3—4MFT-T1/E1
- Advanced FXS Analog Gateway features and SCCP over TLS with Cisco UCM
- Cisco CME and SRST features enhancement for SCCP and SIP
- Cisco IOS PKI performance monitoring enhancements
- Cisco IOS SSL VPN Smart Tunnels support
- Cisco ISR G2 Multi Gigabit Fabric
- DHCP—tunnels support
- Embedded Event Manager 3.2
- Enhancement to bandwidth QoS-Reference command
- GETVPN troubleshooting
- IKEv1 hardening
- IKEv2 remote access headend
- IP Tunneling—IPv6 rapid deployment
- IPv6—Full Selective Packet Discard support
- IPv6—Per Interface Neighbor Discovery cache limit
- ISDN leased line
- Legacy QoS command deprecation: hidden commands
- MediaTrace 1.0
- Multicast for virtual multipoint interfaces
- NBAR Static IPv4 IANA protocols
- NSE capability negotiations via SDP
- Performance Monitor (Phase 1)
- Radio Aware Routing RFC 4938bis
- RSVP support for Ingress Call Admission Control
- Session-Based FPM
- Suite-B IPsec algorithm support for the On-Board Crypto Engine for Cisco 2951 and Cisco 3900 Series ISRs
- Support for conditional header manipulation of SIP headers
- Support for Interworking Between CUCM-Controlled RSVP-Capable networks and RSVP-Incapable Networks
- Support for limiting the rate of incoming SIP calls processing
- Support for Media Flow-Around with SIP Signaling Control on Cisco UBE
- Support for Release of Media Flow with Retention of SIP Signaling Control on Cisco UBE for Media Trombone or Media Hairpin Call Is Detected
- Support for reporting End-of-Call statistics in SIP BYE Message
- Support for SIP registration proxy on Cisco UBE
- Support for SIP UPDATE message per RFC 3311

- Switch image and configuration manageability
- Video monitoring MIB support for Medianet Video Monitoring

For a detailed description of the new and changed information of Cisco IOS Release 15.1(3)T, see *Release Notes for Cisco IOS Release 15.1T* at:

http://www.cisco.com/en/US/docs/docs/ios/15_1/release/notes/151TRN.pdf



Note

Cisco IOS Release 15.1(3)T is a short deployment Standard Maintenance release that is ideal for the very latest new features and hardware support from Cisco. Cisco provides 18 months of support for Standard Maintenance releases. Customers who require longer-term maintenance support should consider upgrading to the next 15 M Extended Maintenance release (when it becomes available), which will incorporate all features and hardware support of previous Standard Maintenance and Extended Maintenance releases. For more information, see *Cisco IOS Software Release 15M&T Q&A* at: http://www.cisco.com/en/US/prod/collateral/iosswrel/ps8802/ps10587/ps10591/ps10621/qa_c67_561940.pdf

System Requirements

This section provides information about the software versions of the Cisco and third-party components and the firmware versions of the Cisco Unified IP Phones used in system-wide testing of Cisco Unified Communications System Release 8.5(1). This section contains the following information:

- [End-of-Sale Components, page 12](#)
- [Deployment Considerations, page 13](#)
- [Software Version Matrix, page 14](#)
- [Latest Software Upgrades and Licenses, page 17](#)

End-of-Sale Components

The following components have reached end-of-sale (EOS) status but are still supported. Because they may be present in existing customer deployments, they remained installed in the test-bed sites for this Cisco Unified Communications System release.

- Cisco Unified MeetingPlace Express
- Cisco Unity—IBM Lotus Domino
- IBM Lotus Notes for Cisco Unified MeetingPlace Release
- Cisco Security Agent for Cisco Unified MeetingPlace Express
- Cisco Unified Videoconferencing 3511 MCU
- Cisco Unified Videoconferencing 3515 MCU
- Cisco Unified Videoconferencing 3521 BRI Gateway—Cisco Unified Videoconferencing Gateway 3522 (ISDN BRI)
- Cisco Unified Videoconferencing 3526 PRI Gateway—Cisco Unified Videoconferencing Gateway 3527 (ISDN PRI)
- Cisco Catalyst 6506, 6509 (Supervisor Engine 32)
- Cisco Catalyst Express 500

- Cisco Fax Server
- Cisco SIP Proxy Server
- Cisco Personal Assistant—Replaced with Cisco Unity
- Tandberg 990 MXP (H.323 video endpoint)
- Cisco 2691 router
- Cisco 831 router
- Cisco Catalyst 3550 series switches
- Cisco Catalyst 3660 multiservice platform
- Cisco Catalyst Firewall Service Module
- Cisco NAC Appliance (Clean Access)

The EOS date is the last date to order the product through Cisco point-of-sale mechanisms. The product is no longer for sale. Another process, the end-of-life (EOL) cycle, guides the final business operations associated with the product.

The EOL process consists of a series of technical and business milestones and activities that, when completed, make a product obsolete. After a product becomes obsolete, it is not sold, manufactured, improved, repaired, maintained, or supported.

For information about recommended replacements, see the comprehensive list of announcements at End-of-Life and End-of-Sale Products at the following URL:

http://www.cisco.com/en/US/products/prod_end_of_life.html

For information about specific products, choose a product from the following URL:

<http://www.cisco.com/web/psa/products/index.html>

Then click on the End-of-Life and End-of-Sale Notices link in the Product Literature box.

For an overview of the Products and Services EOL policy, see the information at the following URL:

http://www.cisco.com/en/US/products/products_end-of-life_policy.html

Deployment Considerations

The tables in this section list the recommended software and firmware releases based on Cisco Unified Communications System Release 8.5(1). Note that not every rebuild is tested as part of Cisco Unified Communications System. Therefore, additional regression testing in a customer or Cisco-specific certification lab is recommended before deployment.

When deploying IP Communications in a customer environment, consider the following:

- At the minimum, customers should deploy the software release recommended in these tables.
- For CSA, customers should use the latest engine and policy release. CSA software is available at: <http://www.cisco.com/cgi-bin/tablebuild.pl/csa>
- For other software components, customers should use the most current rebuild of a maintenance release. For IOS, information about the latest releases, including deferral advisories, is available at: <http://tools.cisco.com/support/downloads/go/Redirect.x?mdfid=268438303>
- If the recommended release has been deferred to a subsequent release, customers should use the subsequent release.
- Before deploying a release, examine the open caveats in the chosen release to determine if any will affect your implementation. Open caveats can be viewed through the Bug Toolkit, located at:

<http://tools.cisco.com/Support/BugToolKit/>

- In system upgrades, deploy the chosen release in a lab environment that uses the same product components as the customer's product components before moving to a production environment.

Software Version Matrix

Table 1 lists the software release versions of both Cisco and third-party components used in the Cisco Unified Communications System Release 8.5(1) system test.



Note

You can set up a virtualized environment by running Unified Communications applications on a virtual machine on a Unified Computing System (UCS). For additional details, including UCS hardware information and third-party requirements, see: www.cisco.com/go/uc-virtualized

Table 1 *Software Release Versions in Cisco Unified Communications System Release 8.5(1) for IP Telephony*

Category	Component	Release 8.5(1)
Call Control	Cisco Unified Communications Manager	8.5(1)
	Cisco Unified Communications Manager—Cisco IP Telephony Operating System	Bundled with Unified Communications Manager
	Cisco Unified Communications Manager Business Edition 3000	8.5(1)
	Cisco Unified Communications Manager Business Edition 5000	8.5(1)
	Cisco Unified Communications Manager Business Edition 6000	8.5(1)
	Cisco Unified Communications Manager Express	8.5.1 15.1(3)T ¹
	Cisco Unified Survivable Remote Site Telephony (SRST)	8.5(1) 15.1(3)T ¹
	Cisco Intercompany Media Engine	8.5(1)
Contact Center	Cisco Unified Contact Center Express	8.5(1)
	Cisco Unified Contact Center Express Operating System	Bundled with Unified Contact Center Express
Applications	Cisco Unified Presence	8.5(1)
	Cisco Unified SIP Proxy	8.5(1)
	Cisco Emergency Responder	8.5(1)
	Cisco Emergency Responder—Cisco IP Telephony Operating System	Bundled with Cisco Emergency Responder
	Cisco Unified Business Attendant Console and Unified Department Attendant Console	8.5
	Cisco Unified Enterprise Attendant Console	8.5

Category	Component	Release 8.5(1)
Conferencing	Cisco Unified MeetingPlace	8.0 ²
	Cisco Unified MeetingPlace Web Conferencing	8.0
	Microsoft Outlook for Cisco Unified MeetingPlace	8.0
	Jabber for Cisco Unified MeetingPlace	8.0
	Microsoft Office Communicator for Cisco Unified MeetingPlace	8.0
	Cisco Unified Media Server for 3545 MCU (video)	5.7.0.0.4
	Cisco Unified Media Server for 3545 MCU (audio)	6.1.0.0.16
	Cisco Unified Videoconferencing 3522 BRI Gateway	5.0.0.0.22
	Cisco Unified Videoconferencing 3527 and 3545 PRI Gateways	5.0.0.0.22
Voice Mail and Unified Messaging	Cisco Unity	8.0(3)
	Cisco Unity-CM TSP	8.4(3)
	Cisco Unity—Microsoft Exchange	Microsoft Exchange 2003 SP2 (on Cisco Unity and partner Exchange servers) and Microsoft Exchange 2007 SP1 or Exchange 2003SP2 (on other message store servers)
	Cisco Unity Connection	8.5.(1)
	Cisco Unity Express	8.5(1)
	Cisco Unified Messaging Gateway	8.5(1)
	Cisco Unified Survivable Remote Site Voicemail	8.5(1) IOS 15.1(3) ¹ T

Category	Component	Release 8.5(1)
Endpoints and Clients	Cisco Unified IP Phones models 7906G, 7911G, 7931, 7941G, 7942G, 7945G, 7961G, 7962G, 7965G, 7970G, 7971G, 7975G	Bundled with Unified Communications Manager Firmware 9.1(1) SR1
	Cisco Unified IP Phones 7921G, 7925G	1.3(4)
	Cisco Unified IP Phones 7937G	1.4(3)
	Cisco Unified IP Phones 7940G, 7960G	Firmware 8.1(2)
	Cisco Unified IP Phones 3911, 3951	8.1(2) SR1
	Cisco Unified IP Phones 6901, 6911	Firmware 9.1(1)
	Cisco Unified IP Phones 6921, 6941, 6961	Firmware 9.1(1), Firmware 9.0(2), 9.0(2) SR1
	Cisco Unified IP Phones 8961, 9951, 9971	Firmware 9.1(1) SR1
	Cisco IP Communicator	7.0(5)
	Cisco Unified Personal Communicator	8.0(1)
	Cisco UC Integration™ for Lync	8.5(1)
	Cisco Unified Communications for RTX	8.5(1)
	Cisco Unified Communications Widgets	8.0(1) VVM 8.0 C2C 7.0(1) PD
Wireless and Mobility	Cisco Aironet Access Point (AP) 1200G	12.4(21a)JA2
	Cisco 4400 Series Wireless LAN Controllers	6.0.188.0
	Cisco Unified Mobility Advantage	7.1(3)
	Cisco Unified Mobile Communicator	7.1(3)
	Cisco Unified Mobile Communicator iPhone	7.1(3)
Security	Cisco Adaptive Security Appliance (ASA)	8.4(1)
	Cisco Intrusion Prevention System (AIP-SSM, IDSM-2 Module, IPS-4200)	7.0(2)E3
	Management Center for Cisco Security Agents	5.2.1
	Cisco Security Agent for Cisco Unified Communications Manager	Bundled with Unified Communications Manager
	Cisco Security Agent for Cisco Emergency Responder	Bundled with Unified Communications Manager
	Cisco Security Agent for Unified Contact Center Express	Bundled with Unified Contact Center Express
	Cisco Security Agent for Cisco Unity	6.0(1)
	Cisco Security Agent for Cisco Unified MeetingPlace	6.0(1)
Network Management	Cisco Unified Operations Manager	8.5.1 ³
	Cisco Unified Service Monitor	8.5.1 ³
	Cisco Unified Service Statistics Manager	8.5.1 ³
	Cisco Unified Provisioning Manager	8.5 ³

Category	Component	Release 8.5(1)
Communications Infrastructure	Cisco IOS Mainline Release	IOS Extended MR 15.0.1M4
	Unified Computing System B200 M2, C200 M2, and C210 M2 (Unified Communications Virtualization)	VMWare ESXi 4.0
	Cisco Integrated Services Router (ISR) 2801, 2811, 2821, 2851, 3825, 3845	15.1(3) ¹ T
	Cisco 38xx Gatekeepers	15.1(3) ¹ T
	Cisco 3800 (IP-to-IP gateway)	15.1(3) ¹ T
	Cisco 3900 (IP-to-IP gateway)	15.1(3) ¹ T
	Cisco Integrated Services Router (ISR) 1861	15.1(3) ¹ T
	Cisco Integrated Services Router (ISR) 2901, 2911, 2921, 2951, 3925, 3945, 3925E, 3945E	15.1(3) ¹ T
	Cisco Unified Border Element - ISR	15.1(3) ¹ T
	Cisco Unified Border Element - ASR	3.2
	Cisco Secure RTP and Cisco Secure SRST	15.1(3) ¹ T
	Cisco Catalyst 3750 (data center switch)	12.2(53)SE2
	Cisco Catalyst 4503 Switch	12.2(53)SE2
	Cisco Catalyst 4506 (access switch)	12.2(54)SG
	Cisco Catalyst 6506, 6509 (voice access switch, supervisor 2/MSFC2)	12.2(33)SX14 CatOS8.6(6a)
	Cisco Catalyst 6608, 6624 (voice gateway)	Bundled with Unified Communications Manager
	Cisco VG202 and 204 (analog voice gateway)	15.1(3) ¹ T
Cisco VG224 (analog voice gateway)	15.1(3) ¹ T	
Cisco VG248 (analog voice gateway)	1.3(2)	
Third Party	McAfee Antivirus ⁴	Enterprise 8.7.0i

1. Cisco IOS Release 15.1(3)T and 15.1(1)T are short deployment Standard Maintenance releases ideal for the very latest new features and hardware support from Cisco. Cisco provides 18 months of support for Standard Maintenance releases. Customers requiring longer-term maintenance support should consider upgrading to the next 15 M Extended Maintenance release (when it becomes available), which will incorporate all features and hardware support of previous Standard Maintenance and Extended Maintenance releases. For more information, refer to http://www.cisco.com/en/US/prod/collateral/iosswrel/ps8802/ps10587/ps10591/ps10621/qa_c67_561940.html
2. Adhoc conferencing feature in Unified MeetingPlace Releases 8.0/8.5 is not supported with Unified Communications Manager Release 8.5(1).
3. Will be available in CYQ1 2011.
4. You can install third-party antivirus agents on Windows-based servers such as Unified Operations Manager and Unified Provisioning Manager, but not on non-Windows appliances such as Unified Communications Manager and Unified Communications Manager Business Edition.

Firmware Version Matrix

The following table lists the recommended firmware versions of the Cisco Unified IP Phones (SCCP and SIP) used in the Cisco Unified Communications System Release 8.5(1) system test.

Table 2 *Firmware Versions of Cisco SCCP and SIP Phones in Cisco Unified Communications System Release 8.5(1)*

Component	SCCP Firmware Version	SIP Firmware Version
Cisco Unified IP Phone 3911	—	SIP3951.8-1-2SR1
Cisco Unified IP Phone 3951	—	SIP3951.8-1-2SR1
Cisco Unified IP Phone 6901	SCCP6901.9-1-1-0	SIP6901.9-1-1-0
Cisco Unified IP Phone 6911	SCCP6911.9-1-1-0	SIP6911.9-1-1-0
Cisco Unified IP Phone 6921	SCCP69xx.9-1-1-0	SIP69xx.9-1-1-0
Cisco Unified IP Phone 6941	SCCP69xx.9-1-1-0	SIP69xx.9-1-1-0
Cisco Unified IP Phone 6961	SCCP69xx.9-1-1-0	SIP69xx.9-1-1-0
Cisco Unified IP Phone 7902	CP7902080002SCCP0608	—
Cisco Unified IP Phone 7905	CP7905080003SCCP0704	CP7905080001SIP060412
Cisco Unified IP Phone 7906	SCCP11.9-1-1SR1S	SIP11.9-1-1SR1S
Cisco Unified IP Phone 7910	P00405000700	—
Cisco Unified IP Phone 7911	SCCP11.9-1-1SR1S	SIP11.9-1-1SR1S
Cisco Unified IP Phone 7912	—	CP7912080001SIP060412
Cisco Unified IP Phone 7920	CMTERM_7920.4.0-03-02	—
Cisco Unified IP Phone 7921G (wireless)	CP7921G-1.3.4SR1	—
Cisco Unified IP Phone 7925	CP7925G-1.3.4SR2	—
Cisco Unified IP Phone 7931	SCCP31.9-1-1SR1S	SIP31.9-1-1SR1S
Cisco Unified IP Phone 7935	P00503021900	—
Cisco Unified IP Phone 7936	CMTERM_7936.3-3-20-0	—
Cisco Unified IP Phone 7937	APPS37SCCP.1-4-3-0	—
Cisco Unified IP Phone 7940	P00308010200	POS3-8-12-00
Cisco Unified IP Phone 7941	SCCP41.9-1-1SR1S	SIP41.9-1-1SR1S
Cisco Unified IP Phone 7941G-GE	SCCP41.9-1-1SR1S	SIP41.9-1-1SR1S
Cisco Unified IP Phone 7942	SCCP42.9-1-1SR1S	SIP42.9-1-1SR1S
Cisco Unified IP Phone 7945	SCCP45.9-1-1SR1S	SIP45.9-1-1SR1S
Cisco Unified IP Phone 7960	P00308010200	—
Cisco Unified IP Phone 7961	SCCP41.9-1-1SR1S	SIP41.9-1-1SR1S
Cisco Unified IP Phone 7961G-GE	SCCP41.9-1-1SR1S	SIP41.9-1-1SR1S
Cisco Unified IP Phone 7962	SCCP42.9-1-1SR1S	SIP42.9-1-1SR1S
Cisco Unified IP Phone 7965	SCCP45.9-1-1SR1S	SIP45.9-1-1SR1S
Cisco Unified IP Phone 7970	SCCP70.9-1-1SR1S	SIP70.9-1-1SR1S
Cisco Unified IP Phone 7971	SCCP70.9-1-1SR1S	SIP70.9-1-1SR1S

Table 2 *Firmware Versions of Cisco SCCP and SIP Phones in Cisco Unified Communications System Release 8.5(1)*

Component	SCCP Firmware Version	SIP Firmware Version
Cisco Unified IP Phone 7975	SCCP70.9-51-1SR1S	SIP75.9-1-1SR1S
Cisco Unified IP Phone 7985	CMTERM_7985.4-1-7-0	—
Cisco ATA 186	ATA030204SCCP090202A	SIP8961.9-0-2
Cisco ATA 187	ATA187.9-0-3-0	SIP9951.9-0-2

Latest Software Upgrades and Licenses

The following are links to the latest software upgrades and licenses for Cisco Unified Communications System Release 8.5(1) components:

- Go to <http://www.cisco.com/kobayashi/sw-center/sw-voice.shtml> to download the software for the following products:
 - Cisco Unified Communications Manager
 - Cisco Unified Communications Manager Express
 - Cisco Unified Survivable Remote Site Telephony (SRST)
 - Cisco Unified Presence
 - Cisco Unified SIP Proxy
 - Unified Contact Center Express
 - Cisco Emergency Responder
 - Cisco Unified Application Environment
 - Cisco Unified Messaging Gateway
 - Unified MeetingPlace
 - Cisco Unity
 - Cisco Unity Express
 - Cisco Unified Personal Communicator
 - Voice/video endpoints such as Unified IP Phones, Analog Telephone Adaptors (ATAs), Cisco IP Communicator, Unified Personal Communicator and Unified Video Advantage
- Cisco IOS routers and gateways: <http://tools.cisco.com/support/downloads/go/Redirect.x?mdfid=268438303>
- Catalyst switches: <http://tools.cisco.com/support/downloads/go/Redirect.x?mdfid=268438038>
- Wireless products: <http://www.cisco.com/kobayashi/sw-center/sw-wireless.shtml>
- Firewalls and security modules: <http://www.cisco.com/kobayashi/sw-center/sw-ciscosecure.shtml>
- Network management software: <http://www.cisco.com/kobayashi/sw-center/sw-netmgmt.shtml>
- Product Upgrade Tool (for ordering CDs of new major/minor releases): <http://tools.cisco.com/gct/Upgrade/jsp/index.jsp>

Related Documentation

System Documentation

The components in these release notes, including the platforms tested, are discussed in the Technical Information site at:

http://www.cisco.com/cisco/web/docs/iam/unified/ipt851/Install_and_Configure_System_Components.html

See this content for the specific versions of the components tested and links to relevant documentation for installation and configuration procedures.

Upgrade information for components that have been tested and verified during system testing is provided in the *System Installation and Upgrade for IP Telephony Enterprise Cisco Unified Communications System Release 8.5(1)* at:

http://www.cisco.com/en/US/docs/voice_ip_comm/uc_system/UC8.5.1/ipt_system_inst_upg/suimt851.pdf

For additional information about specific hardware recommendations or bills of material for each product, see [System Requirements](#), page 13.

Manageability Documentation

For manageability information about certain products, see documentation at:

http://www.cisco.com/en/US/docs/voice_ip_comm/uc_system/unified/communications/system/Managed_Services.html

Product Documentation

The following table provides links to the main page for documentation on various Cisco Unified Communications components, from which you can navigate to individual documents.

Table 3 *Related Documentation URLs*

Category	Component	Documentation URL
Call Control	Cisco Unified Communications Manager	http://www.cisco.com/en/US/products/sw/voicesw/ps556/tsd_products_support_series_home.html
	Cisco Unified Communications Manager Business Edition 3000	http://www.cisco.com/en/US/products/ps11370/tsd_products_support_series_home.html
	Cisco Unified Communications Manager Business Edition 5000	http://www.cisco.com/en/US/products/ps7273/tsd_products_support_series_home.html
	Cisco Unified Communications Manager Business Edition 6000	http://www.cisco.com/en/US/products/ps11369/tsd_products_support_series_home.html
	Cisco Unified Communications Session Management Edition	http://www.cisco.com/en/US/products/ps10661/tsd_products_support_series_home.html
	Cisco Unified Communications Manager Express	http://www.cisco.com/en/US/products/sw/voicesw/ps4625/tsd_products_support_series_home.html
	Cisco Unified Survivable Remote Site Telephony (SRST)	http://www.cisco.com/en/US/products/sw/voicesw/ps2169/tsd_products_support_series_home.html
	Cisco Intercompany Media Engine	http://www.cisco.com/en/US/products/ps10669/tsd_products_support_series_home.html
Contact Center	Cisco Unified Contact Center Express	http://www.cisco.com/en/US/products/sw/custcosw/ps1846/tsd_products_support_series_home.html
Applications	Cisco Unified Presence	http://www.cisco.com/en/US/products/ps6837/tsd_products_support_series_home.html
	Cisco Emergency Responder	http://www.cisco.com/en/US/products/sw/voicesw/ps842/tsd_products_support_series_home.html
	Cisco Unified Application Environment	http://www.cisco.com/en/US/products/ps7058/tsd_products_support_series_home.html
	Cisco Unified Attendant Consoles	http://www.cisco.com/en/US/products/ps7282/tsd_products_support_series_home.html
	Cisco Unified SIP Proxy Software	http://www.cisco.com/en/US/products/ps10475/tsd_products_support_series_home.html
Conferencing	Cisco Unified MeetingPlace	http://www.cisco.com/en/US/products/sw/ps5664/ps5669/tsd_products_support_series_home.html
	Cisco Unified Videoconferencing 3500 Series Products	http://www.cisco.com/en/US/products/hw/video/ps1870/tsd_products_support_series_home.html

Table 3 *Related Documentation URLs (continued)*

Category	Component	Documentation URL
Voice Mail and Unified Messaging	Cisco Unity	http://www.cisco.com/en/US/products/sw/voicesw/ps2237/tsd_products_support_series_home.html
	Cisco Unity Connection	http://www.cisco.com/en/US/products/ps6509/tsd_products_support_series_home.html
	Cisco Unity Express	http://www.cisco.com/en/US/products/sw/voicesw/ps5520/tsd_products_support_series_home.html
	Cisco Unified Messaging Gateway	http://www.cisco.com/en/US/products/ps8605/tsd_products_support_series_home.html
	Cisco Unified Survivable Remote Site Voicemail	http://www.cisco.com/en/US/products/ps10769/tsd_products_support_series_home.html
Endpoints and Clients	Cisco Unified SIP Phone 3900 Series	http://www.cisco.com/en/US/products/ps7193/tsd_products_support_series_home.html
	Cisco Unified IP Phone 6900 Series	http://www.cisco.com/en/US/products/ps10326/tsd_products_support_series_home.html
	Cisco Unified IP Phone 7900 Series	http://www.cisco.com/en/US/products/hw/phones/ps379/tsd_products_support_series_home.html
	Cisco Unified IP Phone 8900 Series	http://www.cisco.com/en/US/products/ps10451/tsd_products_support_series_home.html
	Cisco Unified IP Phone 9900 Series	http://www.cisco.com/en/US/products/ps10453/tsd_products_support_series_home.html
	Cisco IP Communicator	http://www.cisco.com/en/US/products/sw/voicesw/ps5475/tsd_products_support_series_home.html
	Cisco UC Integration™ formerly Microsoft Office Communicator	http://www.cisco.com/en/US/products/ps10317/tsd_products_support_series_home.html
	Cisco Unified Communications for RTX	http://www.cisco.com/en/US/products/ps11241/tsd_products_support_series_home.html
	Cisco Unified Communications Widgets	http://www.cisco.com/en/US/products/ps9829/tsd_products_support_series_home.html
	Cisco Unified Personal Communicator	http://www.cisco.com/en/US/products/ps6844/tsd_products_support_series_home.html
Cisco Unified Video Advantage	http://www.cisco.com/en/US/products/sw/voicesw/ps5662/tsd_products_support_series_home.html	
Wireless and Mobility	Cisco Aironet 1200 Series Access Points	http://www.cisco.com/en/US/products/hw/wireless/ps430/tsd_products_support_series_home.html
	Cisco 4400 Series Wireless LAN Controllers	http://www.cisco.com/en/US/products/ps6366/tsd_products_support_series_home.html
	Cisco Unified Mobility Advantage	http://www.cisco.com/en/US/products/ps7270/tsd_products_support_series_home.html
	Cisco Unified Mobile Communicator	http://www.cisco.com/en/US/products/ps7271/tsd_products_support_series_home.html

Table 3 *Related Documentation URLs (continued)*

Category	Component	Documentation URL
Security	Cisco ASA 5500 Series Adaptive Security Appliances (ASA 5520, ASA 5540, ASA 5580)	http://www.cisco.com/en/US/products/ps6120/tsd_products_support_series_home.html
	Cisco ASA Advanced Inspection and Prevention Security Services Module (AIP-SSM)	http://www.cisco.com/en/US/products/ps9774/prod_module_series_home.html
	Cisco Security Agents	http://www.cisco.com/en/US/products/sw/secursw/ps5057/tsd_products_support_series_home.html
	Cisco Enterprise Policy Manager	http://www.cisco.com/en/US/products/ps9529/tsd_products_support_series_home.html
Network Management	Cisco Unified Operations Manager	http://www.cisco.com/en/US/products/ps6535/tsd_products_support_series_home.html
	Cisco Unified Service Monitor	http://www.cisco.com/en/US/products/ps6536/tsd_products_support_series_home.html
	Cisco Unified Service Statistics Manager	http://www.cisco.com/en/US/products/ps7285/tsd_products_support_series_home.html
	Cisco Unified Provisioning Manager	http://www.cisco.com/en/US/products/ps7125/tsd_products_support_series_home.html

Table 3 **Related Documentation URLs (continued)**

Category	Component	Documentation URL
Communications Infrastructure	Cisco IOS Software Release 15.1T	http://www.cisco.com/en/US/products/ps10592/tsd_products_support_series_home.html
	Cisco 870, 881 Integrated Services Routers	http://www.cisco.com/en/US/products/hw/routers/ps380/tsd_products_support_series_home.html
	Cisco 1861 Integrated Services Router	http://www.cisco.com/en/US/products/ps5853/tsd_products_support_series_home.html
	Cisco 2800 Series Integrated Services Routers	http://www.cisco.com/en/US/products/ps5854/tsd_products_support_series_home.html
	Cisco 2900 Series Integrated Services Routers	http://www.cisco.com/en/US/products/ps10537/tsd_products_support_series_home.html
	Cisco 3800 Series Integrated Services Routers	http://www.cisco.com/en/US/products/ps5855/tsd_products_support_series_home.html
	Cisco 3900 Integrated Services Routers	http://www.cisco.com/en/US/products/ps10536/tsd_products_support_series_home.html
	Cisco Unified Border Element	http://www.cisco.com/en/US/products/sw/voicesw/ps5640/tsd_products_support_series_home.html
	Cisco VGD 1T3 Voice Gateway	http://www.cisco.com/en/US/products/ps9890/tsd_products_support_series_home.html
	Cisco VG30D Voice Gateway	http://www.cisco.com/en/US/products/ps10601/tsd_products_support_series_home.html
	Cisco Catalyst 3750 Series Data Center Switches	http://www.cisco.com/en/US/products/hw/switches/ps5023/tsd_products_support_series_home.html
	Cisco Catalyst 4500 Series Access Switches	http://www.cisco.com/en/US/products/hw/switches/ps4324/tsd_products_support_series_home.html
	Cisco Catalyst 6500 Series Access Switches	http://www.cisco.com/en/US/products/hw/switches/ps708/tsd_products_support_series_home.html
	Cisco Catalyst 6600 Series Voice Gateways	http://www.cisco.com/en/US/products/hw/switches/ps700/tsd_products_support_eol_series_home.html
	Cisco VG200 Series Analog Voice Gateways	http://www.cisco.com/en/US/products/hw/gatecont/ps2250/tsd_products_support_series_home.html
Cisco ATA 180 Series Analog Telephone Adaptors	http://www.cisco.com/en/US/products/hw/gatecont/ps514/tsd_products_support_series_home.html	
Unified Computing	Cisco Unified Computing System	http://www.cisco.com/en/US/products/ps10477/tsd_products_support_series_home.html
	Cisco UCS B-Series Blade Servers	http://www.cisco.com/en/US/products/ps10280/tsd_products_support_series_home.html
	Cisco UCS C-Series Rack-Mount Servers	http://www.cisco.com/en/US/products/ps10493/tsd_products_support_series_home.html

Limitations and Restrictions

This section includes the following topics:

- [Important Notes, page 26](#)
- [Resolved Caveats, page 27](#)
- [Open Caveats, page 27](#)

If you are a Cisco partner or a registered Cisco.com user with a Cisco service contract, you can use the Bug Toolkit to find caveats of any severity for any release. Access the Bug Toolkit at:

<http://tools.cisco.com/Support/BugToolKit/>

Cisco offers a Product Alert Tool that allows you to set up one or more profiles that enable you to receive email notification of new Field Notices, Product Alerts, or End of Sale information for the products that you select. The Product Alert Tool is available at: <http://tools.cisco.com/Support/PAT>

Important Notes

This section includes important notes related to the testing of Cisco Unified Communications System Release 8.5(1) for IP telephony and includes the following issue:

- [NextPort Digital Signal Processor card nearing end-of-life](#)

NextPort Digital Signal Processor card nearing end-of-life

There will be no software updates for the NextPort Digital Signal Processor card after March 31, 2011. Outstanding issues with the NextPort DSP include the following:

[CSCtj23118](#) AS5400 intermittent problem sending rtp-nte packets. Between 0.1 and 0.2% of calls experience mid-call DTMF failure. However, if the digits are re-entered, they are properly sent by the gateway.

[CSCtj73695](#) AS5400 NextPort sip-notify leaking memory. The Console displays a “low memory” message. The problem does not occur if the rtp-nte protocol is used instead of sip-notify.

Workaround:

New installations and upgrades should use the Cisco AS5X-FC card.

Resolved Caveats

Table 4 lists caveats, grouped by severity, that are resolved now but are *not* included in the recommended component versions of Cisco Unified Communications System Release 8.5(1) for IP telephony.



Note

For information about the caveats that were resolved in specific versions of each component, see the appropriate release notes for each component.

To determine the software version that includes the fix, click on the linked caveat number in the Identifier column in Table 4 to access the Bug Toolkit.

Table 4 *Resolved Caveats Not Included in Cisco Unified Communications Release 8.5(1)*

Identifier	Headline
Severity 2-3 caveats	
CSCtf80774	Calls with high-definition (HD) video are not supported for clients running on Microsoft Windows XP.
CSCtj08268	SIP trunk call to a PBX over SME fails.
CSCtj83752	Video consult transfer is not working for E2E RSVP SIP to H225 trunk.
Severity 4-6 Caveats	
CSCth70899	Large DNS responses cannot be resolved (such as SRV records that resolve to many hosts).

Open Caveats

Table 5 lists known caveats, grouped by severity, related to the testing of IP telephony components in Cisco Unified Communications System Release 8.5(1) and previous releases, which were not resolved at the time this document was written.

For additional information about each defect, click on the linked caveat number in the Identifier column in Table 5 to access the Bug Toolkit.

Table 5 *Open Caveats*

Identifier	Headline
Severity 2-3 Caveats	
CSCtc36395	Issues with static locations when using SAF enabled trunk.
CSCth73331	NME-CUE config lost after Reload.
CSCti02486	7985 Video phone to TB H320 pstn endpoint video calls are not working.
CSCti60031	Re-order tone in originating side (CUCM) for unanswered CME call.
CSCtj65451	SAFF client handle error after changing selected nodes in CUCM.
Severity 4-6 Caveats	
CSCti23462	Display error message when user rebalance ignores an unhealthy node8.5(1).
CSCtd52204	Memory leak while encrypted SIP and SCCP make calls through the TLS Proxy.
CSCtc57638	No indication that there is an attachment in a message in Cisco Visual Voicemail.
CSCtf90314	Some configurations are lost while upgrading Unified Videoconferencing 3500 Series.

Table 5 **Open Caveats**

Identifier	Headline
CSCte50676	Users who are newly assigned to the system cannot login over SOAP interface after Unified Presence database restart.
CSCte70132	Need method to handle overlapping large reassignment operations in Unified Presence cluster.
CSCsq43974	VPIM configuration: hostnames should also be allowed for Active/Active cluster.
CSCsz12017	Alert that auto failback is not available when the secondary publisher is acting as primary publisher.
CSCtk66134	Service cores during shutdown.

Troubleshooting

For important troubleshooting information, tips, and recommendations related to Cisco Unified Communications System Release for IP telephony, see the troubleshooting information at: http://www.cisco.com/cisco/web/docs/iam/unified/ipt851/Introduction_to_Troubleshooting.html

Obtaining Documentation, Obtaining Support, and Security Guidelines

For information about obtaining documentation, obtaining support, providing documentation feedback, security guidelines, and also recommended aliases and general Cisco documents, 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>

This document is to be used in conjunction with the documents listed in the “[Related Documentation](#)” section.

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