



System Release Notes for IP Telephony for Enterprise and Midmarket: Unified Communications System, Release 7.0(1)

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Overview

It is standard methodology for Cisco Systems to perform system-wide testing of the Cisco Unified Communications family of products, supplementing the product-level testing performed on each Cisco Unified Communications product. This document provides release notes for the testing conducted on systems composed of 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, and Cisco Unified Presence
- Voice applications, such as Cisco Emergency Responder
- Conferencing components, such as Cisco Unified MeetingPlace, Cisco Unified MeetingPlace Express, 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 Phone 7900 Series phones, 3900 Series Phones, Cisco IP Communicator, and Cisco Unified Personal Communicator
- Wireless and mobility components, Cisco Unified Mobility Advantage, and Cisco Unified Mobile Communicator, WLAN Controllers, Cisco/Airespace lightweight access points, WCS and Location appliance related to wireless
- Security devices, such as Cisco ASA 5540 Adaptive Security Appliances, Cisco Catalyst 6500 Series Firewall Services Modules, and Cisco Security Agents
- Network management tools, such as Cisco Unified Operations Manager, Cisco netManager, Cisco Unified Provisioning Manager, Cisco Unified Service Statistics Manager, Cisco Monitor Manager and Cisco Monitor Director, 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 may be present in a Unified Communications Release 7.0(1) system, see [Software Version Matrix, page 20](#).

The focus of this document is on the IP telephony components of Cisco Unified Communications system testing. IP contact center and IP small and medium business components have also been tested. For additional information on contact center components, see:

<http://www.cisco.com/iam/unified/ipcc701/index.htm>

For additional information on small and medium business components, see:

<http://www.cisco.com/iam/unified/ipt701/SMB/index.htm>

A major deliverable of the System Release and Cisco Unified Communications testing is a recommendation of compatible software releases for customers 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 on component software releases for Unified Communications Release 7.0(1), see [System Requirements, page 18](#). Software compatibility for all 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>

Tested Functionality

The system-wide testing of IP telephony functionality for Cisco Unified Communications Release 7.0(1) included the following direct and upgrade paths:

- Singlestage upgrade of IP Telephony components from Cisco Unified Communications Release 6.1(1) to Cisco Unified Communications Release 7.0(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/univercd/cc/td/doc/systems/unified/uc611/relnotes/rnipt611.htm>
- Multistage upgrade of IP Telephony components from Cisco Unified Communications Release 6.0(1) to Cisco Unified Communications Release 6.1(2) and then to Cisco Unified Communications Release 7.0(1). For a list of the base Release 6.0(1) versions, see the *System Release Notes for IP Telephony: Cisco Unified Communications System, Release 6.0(1)* at: http://www.cisco.com/en/US/docs/voice_ip_comm/uc_system/UC6.0.1/release_notes/rnipt601.html
- Multistage upgrade of IP Telephony components from Cisco Unified Communications Release 5.1(3) to Cisco Unified Communications Release 7.0(1).
- Multistage upgrade of IP Telephony components from Cisco Unified Communications Release 5.0 to Cisco Unified Communications Release 7.0(1).
- Multistage upgrade of IP Telephony components from IP Communications Systems Test Release 4.2
- Multistage upgrade of IP Telephony components from IP Communications Systems Test Release 4.4
- Multistage upgrade of IP Telephony components from IP Communications Systems Test Release 4.5
- Multistage upgrade from Cisco Unified Communications Manager Business Edition (Co-resident) Release 6.0(1) to Cisco Unified Communications Manager Business Edition (Co-res) Release 6.1(2) and then to Cisco Unified Communications Manager Business Edition (Co-res) Release 7.0(1).

For a list of the target Cisco Unified Communications Release 7.0(1) versions that the main components were upgraded to, see [Software Version Matrix, page 20](#). System upgrade procedures are provided in the *System Installation and Upgrade Manual for IP Telephony* at:

http://www.cisco.com/en/US/docs/voice_ip_comm/uc_system/UC7.0.1/ipt_system_inst_upg/suimt.pdf

New and Changed Features

This release, 7.0(1) of Cisco Unified Communications includes the following new or upgraded significant components since Release 6.1(1):

- [Cisco Unified Communications Manager, page 4](#)
- [Cisco Unified Presence, page 6](#)
- [Unified IP IVR, page 7](#)
- [Cisco Unified Messaging Gateway, page 7](#)
- [Cisco Unity Express, page 8](#)
- [Cisco Unity Connection, page 8](#)
- [Cisco Unified MeetingPlace, page 9](#)
- [Cisco Unified Communications MeetingPlace Express, page 10](#)
- [Cisco Unified Video Advantage, page 10](#)

- [Cisco IP Communicator, page 10](#)
- [Cisco Unified Personal Communicator, page 11](#)
- [Cisco Unified Videoconferencing 3545 Media Conferencing Unit \(MCU\), page 11](#)
- [Cisco Unified IP Phone Support, page 12](#)
- [Cisco Unified Mobility Advantage/Mobile Communicator, page 12](#)
- [Cisco Unified Application Environment, page 13](#)
- [Cisco Adaptive Security Appliance 5540 Services, page 13](#)
- [Cisco Catalyst 6500 Series Firewall Services Module \(FWSM\), page 14](#)
- [Cisco IOS 12.4\(15\)T7, page 14](#)
- [Cisco IOS 12.4\(20\)T, page 15](#)
- [Cisco IOS 12.4\(18c\) Mainline, page 15](#)
- [Cisco Unified Operations Manager, page 16](#)
- [Cisco Unified Service Monitor, page 17](#)
- [Cisco Unified Provisioning Manager, page 17](#)
- [Cisco Unified Service Statistics Manager, page 17](#)

For information on components versions that is not changed in Unified Communications Manager Release 7.0(1), refer to the *System Release Notes for IP Telephony: Cisco Unified Communications System, Release 6.1(1)*:

http://www.cisco.com/en/US/docs/voice_ip_comm/uc_system/UC6.1.1/release_notes/rnipt611.html

The following sections list the features of each new or upgraded component tested in this release.

Cisco Unified Communications Manager

Unified Communications Manager Release 7.0(1) includes the following changes and updates to functionality:

- Unified Communications Manager is built on Linux and will be referred to as the Appliance model.
- Installation, upgrade, migration, replacement, and disaster recovery changes including:
 - Installation—The Apply a Patch option of the installation program now supports applying full patch ISO upgrade patch file, in addition to the previously supported ES and SU patch types.
 - Upgrade—When you upgrade from an earlier version of Unified Communications Manager to a later version of Cisco Unified Communications Manager, you may not be able to upgrade all of your CDR data.
 - Migration—The Data Migration Assistant tool exports RTMT Reports and Quality Reporting Tool (QRT reports) from Cisco Unified Serviceability to the DMA TAR file.
 - Replacement—When you reinstall or restore data to a first node in a cluster, you no longer need to reinstall the subsequent nodes in the cluster.
 - Recovery—The Disaster Recovery System automatically backs up and restores the backup device and the scheduled backups that you may have configured, so you do not have to reconfigure those settings. In addition, the Disaster Recovery System also provides a status of the current restore procedure on the Restore Status window.
- Unified Communications Operating System Administration GUI—The GUI contains a new Show IP Preferences window that displays a list of registered ports that the system can use.

- Unified Communications Manager Administration—Changes include:
 - Enterprise and Service Parameters—New parameters have been added and existing ones have been updated.
 - Menu Changes—If you have Unified Presence in your cluster, you can access Unified Presence Administration on the Unified Presence publisher server from the Main Window, There are additional changes to System, Media Resources, Call Routing and other menus.
- Unified Communications Manager Features and Applications—Several new features and applications have been added such as:
 - SIP Support for Unified Communications Manager Features—SIP support added for features that were previously only available on phones that were running SCCP such as Single Button Barge/cBarge, Join and Join Across Lines, Programmable Line Keys and others.
 - Cisco Emergency Responder Location Management Support—Support for off-premise emergency call support in Cisco Emergency Responder 7.0(1).
 - Cisco Unified IP Phone Expansion Module 7915 and 7916 Support—The Cisco Unified IP Phone Expansion Modules 7915 and 7916 can be attached to Unified IP Phone 7962G, 7965, and 7975 models to provide 48 extra line appearances or programmable buttons.
 - Do Not Disturb Call Reject—The Do Not Disturb (DND) Call Reject feature, which is an enhancement to Do Not Disturb, allows the user or the administrator to configure Unified Communications Manager, so no incoming call information gets presented to user
 - Intelligent Bridge Selection— Unified Communications Manager can intelligently select a video conference bridge from the configured Media Resource Group List (MRGL) if two or more of the original conference participants are video enabled.
 - Local Route Groups—The Local Route Group feature provides the ability to reduce the number of route lists and route patterns that need to be provisioned for implementations of Unified Communications Manager.
 - G.729a and G.729b Codecs Over SIP Trunks—You can use G.729a and G.729b, which are low-bandwidth codecs, for calls that are initiated over SIP trunks.
- Unified Communications Manager CDR Analysis and Reporting—Changes include:
 - Backup of CAR Database—The CAR and CDR Disaster Recovery Service (DRS) now integrates into the Disaster Recovery System (DRS). The DRS includes the backup of the CAR database, pre-generated reports, and the CDR preserved flat files.
 - Logging On to CAR—Only CAR administrators and normal end users can log on to the CAR web interface. Users do not need to be a member of a standard CAR administrator group to be a CAR administrator. Any user who has the role, Standard Admin Rep Tool Admin, associated with the user ID can access CAR as a CAR administrator
- Unified Communications Manager Call Detail Records—Changes include:
 - Calling Party Normalization and Support for Dialing “+”—The callingPartyNumber, originalCalledPartyNumber, finalCalledPartyNumber, lastRedirectDN, and the new fields, outpulsedCallingPartyNumber and outpulsedCalledPartyNumber can now contain a “+” in the CDR.
 - Global Call Identifier—The Cisco Unified Communications Manager allocates a global call identifier (GlobalCallID_callId) each time that a Cisco Unified IP Phone is taken off hook or a call is received from a gateway.
- Cisco Unified Real-Time Monitoring Tool—This release adds the following new features and changes:

- New preconfigured Perfmon system performance-monitoring memory counters
- New and updated alert notifications and default procedures
- Changes related to Unity Connection
- Cisco Unified Reporting—New data reporting on trace settings for the publisher server and trace settings on cluster servers that do not match the publisher trace settings. This now displays in the Unified CM Cluster Overview report under Unified CM Trace Information.
- Unified Communications Manager User Options—Starting with Unified Communications Manager Release 6.1(2), you can control whether the end user can view the manager name and user ID in the Directory Find/List window in Cisco Unified CM User Options.
- Bulk Administration Tool—Enhancements such as import and export tool updates, a new Time of Day Access feature and GUI changes.
- Cisco Unified Serviceability—The following features and changes are new to this release:
 - Two new Cisco Syslog Agent enterprise parameters in Cisco Unified Communications Manager Administration allow you to forward all alarms that meet or exceed the configured threshold to a remote syslog server.
 - The SNMP Access Privileges setting in the MIB now supports the ReadNotifyOnly option.
 - Changes related to Unity Connection
- Security—A new Secure-Indication Tone feature that is a special tone played on both ends of a call that is established through devices configured as “protected” and when encrypted media is established. The tone denotes that the call is protected and that confidential information may get exchanged. The tone lasts for 2 seconds and begins to play as soon as the called party answers.

For a detailed description of these and other new features and functionality, see Release Notes for Cisco Unified Communications Manager Release 7.0(1) at:

http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/rel_notes/7_0_1/cucm-rel_note-701.html

Cisco Unified Presence

Unified Presence Server Release 7.0(1) includes the following changes and updates to functionality since Unified Presence Server Release 6.0(1):

- Multi-node clustering delivering scalability of up to 30,000 users
- High and partial availability options when operational with Unified Personal Communicator
- Inter-domain federation with Microsoft Office Communications Server and Unified Presence, providing enhanced security via Adaptive Security Appliance
- Enablement of WEB 2.0 API's to exposed Unified Presence into developers environments for value add applications
- Exposing Unified Presence into environments such as IBM Lotus Sametime and Unified Expert Advisor
- Security and serviceability enhancements

For a detailed description of these features and functionality, see the *Release Notes for Cisco Unified Presence Release* at:

http://www.cisco.com/en/US/products/ps6837/prod_release_notes_list.html

Unified IP IVR

Unified IP IVR Release 7.0(1) software includes the following new features:

- Starting with Release 7.0(1), the name Customer Response Solutions (CRS) will no longer be used. The official name is Cisco Unified Contact Center Express (Unified CCX). However, in contact center deployments, the name Cisco Unified IP IVR will be used to represent Unified CCX.
- Support for Cisco Unified E-Mail Interaction Manager (Unified EIM) and Cisco Unified Web Interaction Manager (Unified WIM) Release 4.2.2 SR1.
- Supports upgrade from CRS 4.5.x to Unified IP IVR Release 7.0(1), CRS 5.0(x) to Unified IP IVR Release 7.0(1).
- Backup and Restore of Unified IP IVR Release 7.0(1).
- Backward compatibility with all the features of CRS 5.0(1).
- Support for CAD features and serviceability enhancements.
- Support for JRE Version 1.5.0_14.



Note

In order to use Unified Communications Manager Express and Unified Contact Center Express Release 5.0(2) in the same network, you must use Unified Communications Manager Express Release 4.2 running on Cisco IOS Software Release 12.4(11)XW5. See [Cisco IOS 12.4\(18c\) Mainline, page 15](#) for more information on this interoperability requirement.

For a detailed description of Cisco Unified IP IVR Release 7.0(1) supported and unsupported features and functionality, see Release Notes for Cisco Customer Response Solutions 7.0(1) at:

http://www.cisco.com/en/US/products/sw/custcosw/ps3651/tsd_products_support_series_home.html

Cisco Unified Messaging Gateway

Cisco Unified Messaging Gateway (UMG) Release 1.0(2) includes the following:

- Hardware Platforms supported:
 - Cisco 2801
 - Cisco 2811
 - Cisco 2821
 - Cisco 2851
 - Cisco 3825
 - Cisco 3845
- Support for Cisco IOS Software release 12.4(11)T and later
- The Cisco UMG license supports connecting multiple voice mail systems together for directory services. The license allows the Cisco UMG to connect to a maximum number of voice mail systems/nodes. This license does not apply to the number of mailboxes or users per node.
- Cisco UMG is compatible with different versions of Cisco Unity Express, Cisco Unity, and Avaya Interchange

For a detailed description of these features and functionality, see *Release Notes for Cisco Unified Messaging Gateway 1.0.1* at:

http://www.cisco.com/en/US/docs/voice_ip_comm/umg/rel1_0/release/notes/rnumg10.html

Cisco Unity Express

Cisco Unity Express Release 3.2.1 includes the following changes and updates to functionality since Release 3.1(1):

- Integration with Multiple Cisco Unified CME Sites
- Nonsubscriber Recipients in Distribution Lists
- PINless Login to Voice-Mail
- Enhanced Installation Procedures and Increased Upgrade Paths
- Password Synchronization Between Cisco Unity Express and Cisco Unified Communications Manager Express
- Login Banner Support for CLI Access

For a detailed description of these features and functionality, see Release Notes for Cisco Unity Express Release 3.2 at:

http://www.cisco.com/en/US/products/sw/voicesw/ps5520/prod_release_notes_list.html

Cisco Unity Connection

Cisco Unity Connection Release 7.0(1) includes the following changes and updates to functionality since Release 2.1(1):

- Support for the following codecs for call in Cisco Unified Communications Manager integrations:
 - G.722
 - iLBC
- Support the following calendar integrations:
 - Cisco Unified MeetingPlace 7.0
 - Microsoft Exchange Server 2007 and 2003
- Digital Networking allows you to connect up to five Cisco Unity Connection 7.x servers with the following functionality:
 - Network discovery
 - Directory synchronization
 - Message exchange

Additionally, you can configure the settings to allow cross-server call handling features like Cross-server logon, Cross-server transfer, and Cross-server live reply.

- Supports integration with Cisco Fax Server 9.0 or later
- Supports Cisco Unity Connection ViewMail for Microsoft Outlook
- Supports integration with Cisco Unified Mobility Advantage 7.0
- Supports the option to integrate with an LDAP directory, including:
 - Provisioning Connection users by importing user data from an LDAP directory.
 - Automatically synchronizing Connection users with a corporate directory.
 - Authenticating access to Connection web applications against an LDAP directory
- New command-line interface commands include:
 - `utils cuc cluster activate`

- utils cuc cluster deactivate
- utils cuc cluster makeprimary
- utils cuc cluster overwrittenb
- utils cuc cluster renegotiate
- utils cuc create report
- utils cuc networking clear_replication
- utils cuc reset password

For a detailed description of these features and functionality, see Release Notes for Cisco Unity Connection Release 7.0(1) at:

http://www.cisco.com/en/US/docs/voice_ip_comm/connection/7x/release/notes/701cucrn.html

Cisco Unified MeetingPlace

Cisco Unified Communications MeetingPlace 7.0 includes the following changes and updates to functionality since Release 6.0:

New Features include:

- Integrated the Cisco Unified MeetingPlace audio on-premise solution with the Cisco WebEx-hosted web-conferencing offering.
- Added functionality for integrated audio-web and audio-video recordings.
- Requires Cisco Unified Communications Manager Release 6.x or higher for integration with other directory servers. (Cisco Unified Communications Manager Release 6.x is bundled with Cisco Unified MeetingPlace Release 7.0.)
- Added breakout sessions for video.

Changed features from the Release 6.0 include:

- Support for Application Server component for audio
- Merged audio and video components one component
- Support Audio Blades and Video Blades
- Support Native SIP only
- Support Redundancy by failover
- Support Conference Manager, which includes:
 - attendant scheduling
 - limited profile management including password update (not auto reset)
 - bulk user lock/unlock, activate/deactivate
- E-mail support integrated into the application
- Support SSH and FTP backups

For a detailed description of these features and functionality, see Release Notes for Cisco Unified Communications MeetingPlace Release 7.0 at:

http://www.cisco.com/en/US/docs/voice_ip_comm/meetingplace/7x/english/ReleaseNotes/mp70rn.html

Cisco Unified Communications MeetingPlace Express

Cisco Unified Communications MeetingPlace Express 2.0.3 provides these new features:

- Added Video training guides—users can download from the Cisco Unified MeetingPlace Express interface.
- Added Test LDAP Configuration and Test AXL Configuration Buttons—You use these buttons to test the LDAP and AXL configurations. After you enter values in the LDAP or AXL fields on the page, the system tests the configuration based on these values and not based on values from the database.
- Updated the Cisco Security Agent (CSA)
- Updated the Microsoft Outlook and Web Meeting Room Plug-Ins—Updated the Microsoft Outlook plug-in that is used for scheduling and attending meetings using the Microsoft Outlook client. Also updated the web meeting room so that users can use Cyrillic characters in the chat and note pods in the meeting room. The updated web meeting room plug-in also checks the hard drive of the user to ensure that the correct version is installed.

For a detailed description of these features and functionality, see *Release Notes for Cisco Unified Communications MeetingPlace Express Release 2.0* at:

http://www.cisco.com/en/US/products/ps6533/prod_release_notes_list.html

Cisco Unified Video Advantage

Cisco Unified Video Advantage Release 2.1(1) provides these new features:

- Camera support:
 - Support for third-party video cameras.
 - Separate installers for Unified Video Advantage and for Cisco VT Camera drivers (Unified Video Advantage no longer installs the Cisco VT Camera drivers).
- Operating systems—Support for Windows Vista (in addition to Windows XP and Windows 2000).
- Phone support—Unified Video Advantage supports all Unified IP Phones running SCCP (CDP enabled and CAST enabled) that can be enabled for video on Unified Communications Manager.
- User interface improvements and installation and upgrades/updates
- Serviceability enhancements such as support for call quality logging.

For a detailed description of Unified Video Advantage Release 2.1(1) features and functionality, see Release Notes for Cisco Unified Video Advantage, Release 2.1(1) at:

http://www.cisco.com/en/US/docs/video/cuva/2_1/english/release/notes/ol15290.html

Cisco IP Communicator

IP Communicator Release 2.1(3) has no new functionality from Release 2.1(1) which was a part of the previous Cisco Unified Communications Release 6.1(1).

For a detailed description of IP Communicator Release 2.1(1) features and functionality, see *Release Notes for Cisco IP Communicator Release 2.1* at:

http://www.cisco.com/en/US/docs/voice_ip_comm/cipc/2_1/english/release/notes/ol113782.html

Cisco Unified Personal Communicator

Cisco Unified Personal Communicator 7.0 includes the following new features:

- Inter-domain presence and instant messaging federations—when you integrate of Microsoft Office Communications Server (OCS) or Microsoft Live Communications Server (LCS) with Cisco Unified Presence, inter-domain presence and instant messages can be exchanged.

When you configure federations Cisco Unified Presence users in one domain can interact with Microsoft Office Communicator (MOC) users and/or Cisco Unified Presence users in another domain to exchange presence and instant messages. The contact list in Cisco Unified Personal Communicator will contain foreign and internal usernames, with associated presence and IM support.

- Secure messaging—when you configure secure messaging in Cisco Unified Presence Administration and configure Cisco Unity Connection or Cisco Unity to encrypt messages, Cisco Unified Personal Communicator users can retrieve, play, and delete secure voice-mail messages.
- Cisco Unified Presence Multi-node clustering—allows scaling beyond the two-node cluster limit in previous releases and provides presence services for all users within a single Cisco Unified Presence cluster. Cisco Unified Presence Multi-node clustering enables these features to Cisco Unified Personal Communicator users:
 - Automatic failover from the primary to the secondary node.
 - Automatic redirect if the user tries to log in to a nonhome node.
 - Rehome a user to a different subcluster while the user is offline. Cisco Unified Personal Communicator switches to the new node in the home subcluster without user intervention.

For more information on Cisco Unified Personal Communicator, see the Release Notes at:

http://www.cisco.com/en/US/docs/voice_ip_comm/cupc/7_0/english/release/notes/ol15710.html

Cisco Unified Videoconferencing 3545 Media Conferencing Unit (MCU)

The Cisco Unified Videoconferencing 3500 Series products are multipoint video conferencing and media processing systems that provide extensive audio and video processing capabilities and web-based conference monitoring and management. They support a wide range of telephony protocols and media communication networks and are interoperable with other video conferencing network devices.

Cisco Unified Videoconferencing 3500 MCU Release 5.5.0.0.54 introduces the following features:

- High Definition Continuous Presence support.
- HTTPS support in the web interface.
- MCU web interface supports Internet Explorer 7.

For more detailed information, see the Release Notes for Cisco Unified Videoconferencing 3500 Release 5.5 at:

http://www.cisco.com/en/US/docs/video/cuvc/5_5/mcu/release/notes/mcu55rn.html

Cisco Unified IP Phone Support

The following features and functionality are introduced in phone firmware release 8.4(1):

- **Enhanced Services Provisioning**—Allows Unified Communications Manager administrators to offer a wider variety of phone services on Unified IP Phones. Administrators can configure these services as default features, or allow phone users to subscribe or unsubscribe to the services by using Unified Communications Manager User Options.
- **Host Movement Detection**—Extends Cisco Discovery Protocol (CDP) to include a Second Port Status Type, Length, Value (TLV) that informs a network switch of the presence or absence of devices connected to a Unified IP Phone. This enhancement ensures that the Unified IP Phone port is closed when a device is removed, so the port cannot be accessed by plugging in another unauthorized device.
- **Phone screen appearance changes including:**
 - **Dynamic call window**—Minimizes the amount of screen space obscured when an active call is present.
 - **Transparent line label**—Minimizes the amount of screen space obscured when a line button has been provisioned with a text label.
 - **Transparent status message line**—Minimizes the amount of screen space obscured by the phone status messages by changing from using a shaded background to shadowed text.
- **Secure Indication Tone**—Unified IP Phones now support protected calling, which plays a security tone at the beginning of a call to indicate the connection is secure (encrypted) on both ends, providing integrity and privacy to the call. Some features, such as conference calling, shared lines, Extension Mobility, and Join across Lines are not available when protected calling is configured. Protected calls are not authenticated.
- **Phone support**— Unified Video Advantage supports all Unified IP Phones running SCCP (CDP enabled and CAST enabled) that can be enabled for video on Unified Communications Manager.
- **Cisco Unified IP Phone Expansion Module 7915/7916**— This expansion module attaches to the Cisco Unified IP Phone 7962G, 7265, and 7275. Each Expansion Module adds up to 24 extra line appearances or programmable buttons to your IP Phone.
 - For SCCP phones, you can attach up to two Expansion Modules to your Cisco Unified IP Phone for a total of 48 extra line appearances or programmable buttons.
 - For SIP phones, you can attach up to two Expansion Modules to your Cisco Unified IP Phone for a total of 36 extra line appearances or programmable buttons.

For information on Cisco Unified IP Phone models, see the appropriate release notes at:

http://www.cisco.com/en/US/products/hw/phones/ps379/prod_release_notes_list.html

Cisco Unified Mobility Advantage/Mobile Communicator

As an integral part of Cisco Unified Communications, Cisco Unified Mobile Communicator is an easy-to-use software application for mobile smartphones that enables collaboration across mobile workspaces by bringing together people and information to accelerate decisions and improve response times and productivity.

Cisco Unified Mobile Communicator securely extends Cisco Unified Communications to mobile smartphones, allowing you to reach, respond to, and collaborate with others faster. From your mobile smartphone you can manage your presence status, view the presence status of others, access company directory contacts, receive Cisco Unified MeetingPlace notifications, place calls through Cisco Unified Communications Manager, and access other vital information.

For more information on the features see the product datasheets at:

http://www.cisco.com/en/US/products/ps7271/prod_literature.html

For more information on these new products, see *Cisco Unified Mobility Advantage and Cisco Unified Mobile Communicator 7.0 Release Notes* at:

http://www.cisco.com/en/US/docs/voice_ip_comm/cuma/7_0/english/release/notes/CUMA_70_RN.html

http://www.cisco.com/en/US/docs/voice_ip_comm/cuma/7_0/english/release/notes/CUMC_70_WM_RN.html

Cisco Unified Application Environment

For information on features and functionality, see the Release Notes for Applications for Cisco Unified Application Environment at:

http://www.cisco.com/en/US/docs/voice_ip_comm/cuae/2_5/english/apps/release/notes/rborn25.pdf

Cisco Adaptive Security Appliance 5540 Services

Cisco Adaptive Security Appliance (ASA) 5540 Series Release 8.0(4) introduces the following new features and functionality:

- Phone Proxy Support—ASA Phone Proxy provides similar features to those of the Metreos Cisco Unified Phone Proxy with additional support for SIP inspection and enhanced security. The ASA Phone Proxy has the following key features:
 - Secures remote IP phones by forcing the phones to encrypt signaling and media
 - Performs certificate-based authentication with remote IP phones
 - Terminates TLS signaling from IP phones and initiates TCP and TLS to Cisco Unified Mobility Advantage servers
 - Terminates SRTP and initiates RTP/SRTP to the called party
- TLS Proxy for Mobility Solution—Secure connectivity (TLS proxy) between Cisco Unified Mobility Advantage clients and servers is supported.
- TLS Proxy for Presence Federation—Secure connectivity (TLS proxy) between Unified Presence servers and Cisco/Microsoft Presence servers is supported. With the Presence solution, businesses can securely connect their Unified Presence clients back to their enterprise networks, or share Presence information between Presence servers in different enterprises.
- Interaction of Temporary and Permanent Licenses—The interaction of temporary and permanent licenses has been changed so that features from both licenses combine to form the running license.
- QoS Traffic Shaping—To manage networks with differing line speeds, you can now configure the security appliance to transmit packets at a fixed slower rate
- TCP Normalization Enhancements—You can now configure TCP normalization actions for certain packet types by setting the TCP normalizer to allow the packets.
- Timeout for SIP Provisional Media—You can now configure the timeout for SIP provisional media.

For additional information on features and functionality, see Cisco ASA 5500 Series Release Notes Version 8.0(4) at:

<http://www.cisco.com/en/US/docs/security/asa/asa80/release/notes/arn804n.html>

Cisco Catalyst 6500 Series Firewall Services Module (FWSM)

Cisco Catalyst 6500 Series Firewall Services Module Release 4.0(3) introduces the following new features and functionality:

- SCCP inspection has been enhanced to do the following:
 - Support registrations of SCCP version 17 phones.
 - Support SCCP version 17 media related messages for opening up pinholes for video/audio streams.

For additional information, see the Release Notes for the Catalyst 6500 Series and Cisco 7600 Series Firewall Services Module, 4.0(3) at:

<http://www.cisco.com/en/US/docs/security/fwsm/fwsm40/release/notes/fwsmrn40.html>

Cisco IOS 12.4(15)T7

This section describes new and changed features in Cisco IOS Release 12.4(15)T7. Some features may be new to Cisco IOS Release 12.4T but were released in earlier Cisco IOS software releases. Some features may have been released in earlier Cisco IOS software releases and have been changed in Cisco IOS Release 12.4(15)T7.

IOS Software Release 12.4(15)T7 includes the following hardware changes and updates to functionality since Release 12.4(15)T:

- New Hardware features supported include Cisco Serial/DSU/CSU High-Speed WAN interface cards

IOS Software Release 12.4(15)T5 includes the following software changes and updates to functionality since Release 12.4(15)T:

- Cisco Group Encrypted Transport VPN—The Cisco Group Encrypted Transport feature is now supported on VSA.
- RSVP Agent on Cisco 7200 Series Routers—The RSVP Agent feature is now supported on the following router platforms using the Cisco IOS Advanced IP Services Image or higher:
 - Cisco 7200 series router (with NPE-G1 or NPE-G2)
 - Cisco 7201 series router
 - Cisco 7301 series router

For a detailed description of Cisco IOS Release 12.4(15)T7 features and functionality, see *Cross-Platform Release Notes for Cisco IOS Release 12.4T, Part 3: New Feature Descriptions and Important Notes* at:

http://www.cisco.com/en/US/products/ps6441/prod_release_note09186a00804a19ae.html

Cisco IOS Release 12.4(15)T7 was tested on Cisco 37xx Series voice gateways and gatekeepers and on the Cisco Communications Media Module in IP Telephony environment. Cisco IOS Software Release 12.4(15)T will be the last Cisco IOS T release for several Cisco hardware platforms. The following platforms will be supported by Release 12.4(15)T7 and higher releases through regularly scheduled software maintenance rebuilds and bug fix support until the end of software maintenance date for the respective platform is reached.

- Cisco 831, 836, and 837 Series
- Cisco 3725 and 3745 Series
- Cisco AS5850 Universal Gateway

- Cisco AS5400HPX Gateway
- Cisco Catalyst Switch Communications Media Module (CMM)

For more information on the unsupported platforms, see:

http://www.cisco.com/en/US/prod/collateral/iosswrel/ps8802/ps6968/ps6441/product_bulletin_c25_466578.html

Cisco IOS 12.4(20)T

In Cisco Unified Communications System Release 7.0(1), the latest Cisco IOS Release 12.4(20)T has the following changes and updates to functionality since its previous release:

- Transcoding and conferencing with G.722 and iLBC for Unified Communications Manager
- VXML gateways interoperability with ASR/TTS and qualification of SIP trunks in Unified CVP deployments
- Malicious Call Identification on Cisco voice gateways with Unified Communications Manager
- Session Border Controller (Reviewers: is this Cisco Unified Border Element?) enhancements for H.323-SIP and SIP-SIP supplementary services, transcoding optimization, and firewall integration
- Call Detail Records (CDR) Comma Separated Value Format with FTP and Flash Storage
- H.323 name display
- Enhanced ARQ and RRQ security for gatekeeper registrations
- Gatekeeper support for extended Interzone Clear Token
- Voice quality enhancements
- Configuration enhancements such as:
 - Configurable Bandwidth Parameters for SIP Calls
 - Configurable SIP Listening Port
 - Configurable SIP Parameter Modification
- Control Media Cut-Through on SIP 18x Response
- Detecting Presence of Analog Phones
- Ability to Generate a Busy After Remote End On-Hook
- ISDN Q.931 tunneling over SIP TDM Gateway
- Transparent Tunneling of QSIG and Q.931 over SIP—SIP Cisco Unified Border Element
- Transparent Tunneling of QSIG over SIP TDM Gateway

For a detailed description of Cisco IOS Release 12.4(20)T features and functionality, see Cross-Platform Release Notes for Cisco IOS Release 12.4T, Part 3: New Feature Descriptions and Important Notes at: http://www.cisco.com/en/US/docs/ios/12_4t/release/notes/124TNEWFW.html

Cisco IOS 12.4(18c) Mainline

The majority of Cisco Unified Communications Release 7.0(1) system testing was performed using Cisco IOS Release 12.4(20)T. However, automated testing of basic call functionality and additional load testing were performed using the Cisco IOS Release 12.4(18c) Mainline. Because Cisco IOS Mainline releases do not support many of the calling features found in Cisco IOS T releases, this additional testing involved only basic call functionality between IP phones and IP phones to PSTN endpoints.

Testing was performed using the following voice/data gateways:

- Cisco 3700 Series Multiservice Access Routers: Cisco 3725 (H.323) and Cisco 3745 (MGCP)
- Cisco 3800 Series Integrated Services Routers: Cisco 3825 and Cisco 3845 (H.323 and MGCP)
- Cisco Catalyst Switch Communications Media Module (CMM)

To compare the differences in features and functionality between 12.4(20)T and 12.4(18c), you can use Feature Navigator, a web-based tool. To access Feature Navigator, you must have an account on Cisco.com. If you have forgotten or lost your account information, e-mail the Contact Database Administration group at cdbadmin@cisco.com. If you want to establish an account on Cisco.com, go to: <http://www.cisco.com/register> and follow the directions.

You can access Feature Navigator at the following URL:

<http://www.cisco.com/go/fn>

Click Compare Images and enter the following values in the popup window:

- Software—IOS (in both fields)
- Major Release—12.4 in the first field, 12.4T in the second field
- Release Number—12.4(18c) in the first field, 12.4(15)T in the second field
- Platform—Same device in both fields
- Feature Set—IP Voice (in both fields)

Cisco Unified Operations Manager

Cisco Unified Operations Manager 2.1 includes the following new features:

- Incremental support for Cisco Unified Communications family of products.
- Support for Unified MeetingPlace7.0(1), Unified Expert Advisor 7.0(1), and Unified Customer Voice Portal 7.0(2)
- Support for routers with SIP Gateways capability.
- Broader event scope and scale
 - Broader Unified Communications Manager fault coverage by leveraging syslog messages and real-time monitoring threshold (RTMT) integration.
 - Improved system capability to process higher event rate.
- Auto-discovery improvements that speed the discovery process by allowing various options such as:
 - Enable/disable Cisco Discovery Protocol (CDP) discovery.
 - Choice of single or multiple cluster discovery.
- Service Level View enhancements:
 - Gateways and application servers are automatically grouped if the quantities grow beyond a specified limit.
 - Cisco Unified Communications Manager Express and Cisco Unity Express information and status are displayed in the tabular form rather than in graphical form.
 - Unmanaged devices are grouped under a single group to reduce clutter.
- Phone Notifications—Capability to group phones for phone outage notifications.
- Web Services API for phone inventory export.

For additional information on features and functionality, see Release Notes for Cisco Unified Operations Manager 2.1 at:

http://www.cisco.com/en/US/docs/net_mgmt/cisco_unified_operations_manager/2.1/release/notes/OM_RN21.html

Cisco Unified Service Monitor

Cisco Unified Service Monitor 2.1 includes the following new features:

- Support for Cisco Unified Communications Manager 7.0(1)
- Added Unified Communications Manager credential support to enable Windows only authentication with Unified Communications Manager 4.x.
- Updated binary image for Cisco 1040 Sensors—SvcMonAA2_42.img. To load the image onto sensors, see Quick Start Guide for Cisco Unified Service Monitor 2.1.
- Clickable IP address links in Cisco 1040 Sensor reports for launching an Operations Manager Device Detail page for a device (Unified Communications Manager or gateway) that is a speaker or a listener.

For additional information on features and functionality, see Release Notes for Cisco Unified Service Monitor 2.1 at:

http://www.cisco.com/en/US/docs/net_mgmt/cisco_unified_service_monitor/2.1/release/SrvMonRN.html

Cisco Unified Provisioning Manager

For information on features and functionality, see Release Notes for Cisco Unified Provisioning Manager 1.3 at:

http://www.cisco.com/en/US/docs/net_mgmt/cisco_unified_provisioning_manager/1.3/release/notes/CUPM13RN.html

Cisco Unified Service Statistics Manager

Cisco Unified Service Statistics Manager 1.1 includes the following new features:

- Call categories—You can edit and add call categories.
- New reports for the following devices and data:
 - Cisco 1040 sensor-based call quality
 - Cisco IOS routers system utilization
 - Cisco Unified Contact Center Express (Unified CCE) performance
 - Cisco Unity Express (CUE) performance
 - H.323 gateway call volume
 - Gatekeeper performance
- Upgrade from Service Statistics Manager 1.0—Data collected using Service Statistics Manager 1.0 is preserved.

For additional information on features and functionality, see Release Notes for Cisco Unified Service Statistics Manager 1.1 at:

http://www.cisco.com/en/US/docs/net_mgmt/cisco_unified_service_statistics_manager/1.1/release/notes/SrvStat.html

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 Release 7.0(1). This section contains the following information:

- [End-of-Sale Components, page 18](#)
- [Deployment Considerations, page 19](#)
- [Software Version Matrix, page 20](#)
- [Firmware Version Matrix, page 23](#)

End-of-Sale Components

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

- Cisco 7845H/7835H/7825H-3000 Media Convergence Servers
- Cisco 7845H/7835-2400 Media Convergence Servers
- Cisco 7855I-1500 Media Convergence Servers
- Cisco 7845-H1/I1 and 7835-H1/I1 Media Convergence Servers
- Cisco 831, 836, and 837 Series Routers
- Cisco 1701, 1711, 1712, 1721, 1751, 1751-V, 1760 Series Routers
- Cisco AS5850 Series Universal Gateways
- Cisco 2610XM-2611XM, 2620XM-2621XM, 2650XM-2651XM, 2691, 3631, 3660 Series Routers
- Cisco 3600 Series Multiservice Platforms (Cisco 3620, Cisco 3640A, and Cisco 3660 (non “-CO” models))
- Cisco Catalyst 3550 Series Switches (replaced by Cisco 3750 Catalyst Switches)
- Cisco 3700 Series Multiservice Access Routers (replaced by Cisco 3800 Series Routers)
- Cisco Catalyst 6500 Series Supervisor Engine 2 / MSFC2
- Cisco Catalyst Communications Media Module (CMM)

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

The EOL process consists of a series of technical and business milestones and activities that, once completed, make a product obsolete. Once obsolete, the product 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 on 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 Release 7.0(1). Note that not every rebuild is tested as part of Cisco Unified Communications. Therefore, additional regression testing in a customer or Cisco-specific certification lab is recommended before deployment.

When deploying IP Communications in a customer environment, please remember 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://www.cisco.com/kobayashi/sw-center/sw-ios.shtml>
- 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 impact 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 it 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 Release 7.0(1) system test.

Table 1 *Software Release Versions in Cisco Unified Communications Release 7.0(1) for IP Telephony*

Category	Component	Release Version
Call Control	Cisco Unified Communications Manager	7.0(1)
	Cisco Unified Communications Manager Business Edition	7.0(1)
	Cisco Unified Communications Manager Express	7.0/IOS 12.4(20)T
	Cisco Unified Survivable Remote Site Telephony (SRST)	7.0/IOS 12.4(20)T ¹
	Cisco Unified Presence	7.0(1)
	Cisco Unified Business Attendant Console and Unified Department Attendant Console	7.0(1)
Contact Center	Cisco Unified Contact Center Express	7.0(1)SR1
	Cisco Unified Contact Center Express—Operating System	Windows 2003 version: 2003.1.2a SR9
Applications	Cisco Emergency Responder	7.0(1)
	Cisco Unified Application Environment	2.5(1)
	Cisco Unified PhoneProxy	8.0.4
	Cisco Unified Messaging Gateway	1.0.2
Conferencing	Cisco Unified MeetingPlace—Operating System	Win OS 2003.1.2a-SR14
	Cisco Unified MeetingPlace Application Server	7.0.1.4
	Cisco Unified MeetingPlace Web Conferencing	7.0.1.1
	Microsoft Outlook for Cisco Unified MeetingPlace Release 7.0	7.0.1.1
	Jabber for Cisco Unified MeetingPlace Release 7.0	7.0.1.1
	IBM Lotus Notes for Cisco Unified MeetingPlace Release 7.0	7.0.1.1
	Microsoft Office Communicator for Cisco Unified MeetingPlace Release 7.0	7.0.1.1
	Cisco Unified Media Server for 3545 (video)	5.3.3.0.43A
	Cisco Unified Media Server for 3545 (audio)	6.0.0.3.9
	Cisco Unified MeetingPlace Express	2.0.3
	Cisco Unified Videoconferencing 3540 PRI Gateway	5.0.0.0.22
	Cisco Unified Videoconferencing 3521 and 3522 BRI Gateways	5.0.0.0.22

Table 1 Software Release Versions in Cisco Unified Communications Release 7.0(1) for IP Telephony (continued)

Category	Component	Release Version
Voice Mail and Unified Messaging	Cisco Unity	7.0(2)
	Unity-CM TSP	8.3(1)
	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—IBM Lotus Domino	7.0 with DUC 1.2.3
	Cisco Unity Connection	7.0 ²
	Cisco Unity Express	3.2.1
Endpoints and Clients	Cisco Unified IP Phones models 3911, 7902G, 7905G, 7906G, 7911G, 7912G, 7920, 7921G, 7931, 7935, 7936, 7937G, 7940G, 7941G, 7942G, 7945G, 7960G, 7961G, 7962G, 7965G, 7970G, 7971G, 7975G, 7985G	Firmware 8.4.1 Bundled with Unified Communications Manager See Firmware Version Matrix, page 23
	Cisco IP Communicator	2.1.3
	Cisco Unified Personal Communicator	7.0
	Cisco Unified Video Advantage	2.1.1
Wireless and Mobility	Cisco Aironet Access Point (AP) 1200G	12.3(8)JA
	Cisco Unified Mobility Advantage	7.0
	Cisco Unified Mobile Communicator	7.0
Security	Cisco Adaptive Security Appliance ASA 5500 Series	8.0.4
	Cisco Catalyst 6500 Series Firewall Services Module (FWSM)	4.0(3)
	Cisco Catalyst 6500 Series Intrusion Detection System (IDSM-2) Module	6.0(2)
	Cisco Intrusion Prevention System Appliance IPS-4200	6.0(2)
	Cisco NAC Appliance (Clean Access)	4.1.2
	Management Center for Cisco Security Agents	5.0.0.216
	Cisco Security Agent for Cisco Unified Contact Center Express	5.0.0.216-3.0.4
	Cisco Security Agent for Cisco Unity	4.5.1.639-2.0(3)
	Cisco Security Agent for Unified MeetingPlace	5.2.0.263
	Cisco Security Agent for Unified Communications Manager	Bundled with Unified Communications Manager
Cisco Security Agent for Cisco Emergency Responder	Bundled with Cisco Emergency Responder	

Table 1 Software Release Versions in Cisco Unified Communications Release 7.0(1) for IP Telephony (continued)

Category	Component	Release Version
Network Management	Cisco Unified Operations Manager	2.1
	Cisco Unified Service Monitor	2.1
	Cisco netManager - Unified Communications	1.1
	Cisco Unified Service Statistics Manager	1.1
	Cisco Unified Provisioning Manager	1.3
	Cisco Resource Management Essentials (RME)	4.0.5
Communications Infrastructure	Cisco IOS Mainline Release	12.4(18c) ³
	Cisco 2801, 2821, 2851, 3825, 3845 (router, voice/data gateway)	12.4(20)T
	Cisco 3745 (gatekeeper)	12.4(15)T7
	Cisco 3745/Cisco 3845,(IP-to-IP gateway)	12.4(15)T7/12.4(20)T
	Cisco 3725, 3745 (voice/data gateway)	12.4(15)T7
	Cisco 3725, 3745, 3825 (SRTP and Secure SRST gateways)	12.4(15)T7 for Cisco 3725, 3745 and 12.4(20)T1 for Cisco 3825
	Cisco 7206 (voice/data gateway)	12.4(20)T
	Cisco Catalyst 3550 (access switch)	12.2(25)SEE4 with advipservicesk9 image
	Cisco Catalyst 3560 (access switch)	12.2(25)SEE4 with advipservicesk9 image
	Cisco Catalyst 3750 (data center switch)	12.2(25)SEE4 with advipservicesk9 image
	Cisco Catalyst 4503 (access switch)	12.2(25)SEE4 with advipservicesk9 image
	Cisco Catalyst 4506 (access switch)	12.2(25)SEE4 with advipservicesk9 image
	Cisco Catalyst 6506, 6509 (voice access switch, Supervisor Engine 2/MSFC2)	Cat OS 8.6.3 /12.2.(18)SXF9
	Cisco Catalyst 6506, 6509 (core switch, Supervisor Engine 720)	12.2(18)SXF9 (native-mode)
	Cisco Catalyst Communications Media Module (CMM)	12.4(15)T7 ⁴
	Cisco Catalyst 6608, 6624 (voice gateway)	Bundled with Unified Communications Manager See Firmware Version Matrix, page 23
Cisco Integrated Services Router (ISR) 1861	12.4(20)T	
Cisco Unified Border Element	12.4(20)T	
Cisco VG224 (analog voice gateway)	12.4(20)T	
Cisco VG248 (analog voice gateway)	1.3(2)	
Third Party	McAfee Antivirus ⁵	Enterprise 8.0.0 Patch Version: 11

1. Cisco IOS Firewall version is 12.4(20)T1.
2. An Engineering Special or Service Release available in Q4, 2008 will address defect [CSCsr83757](#).
3. IOS Mainline Release 12.4(18b) was used for additional basic PSTN functionality and load testing as part of regression testing conducted in IP Telephony environments.
4. Cisco IOS Release 12.4(15)Tx is the last release supported on the 37xx Series and CMM platforms; these components are not supported on Release 12.4(20)T.
5. You can install third-party antivirus agents on Windows-based servers such as Cisco Customer Response Solutions (Unified Contact Center Express) and Unified Operations Manager, but not on non-Windows appliances such as Unified Communications Manager and Unified Communications Manager Business Edition.

Firmware Version Matrix

Table 2 lists the firmware versions of the Cisco Unified IP Phones, analog adaptors, voice gateways and conference bridges used in the Cisco Unified Communications Release 7.0(1) system test.

Table 2 *Firmware Versions for Cisco Devices in Cisco Unified Communications Release 7.0(1) for IP Telephony*

Component	SCCP Firmware Version	SIP Firmware Version
Cisco Unified SIP Phone 3911	—	SIP3951.8-1-2
Cisco Unified IP Phone 7902G ¹	CP7902080002SCCP060817A	—
Cisco Unified IP Phone 7905G	CP7905080003SCCP070409A	CP7905080001SIP060412A
Cisco Unified IP Phone 7906G	SCCP11.8-4-1S	SIP11.8-4-1S
Cisco Unified IP Phone 7910G	P00405000700	—
Cisco Unified IP Phone 7911G	SCCP11.8-4-1S	SIP11.8-4-1S
Cisco Unified IP Phone 7912G	CP7912080003SCCP070409A	CP7912080001SIP060412A
Cisco Unified IP Phone 7920	CMTERM_7920.4.0-03-02	—
Cisco Unified IP Phone 7921G	CP7921G-1.2.1	—
Cisco Unified IP Phone 7931G	SCCP31.8-4-1S	SIP31.8-4-1S
Cisco Unified IP Phone 7935	P00503021900	—
Cisco Unified IP Phone 7936	CMTERM_7936.3-3-16-0	—
Cisco Unified IP Phone 7937G	APPS37SCCP.1-2-1-0	—?
Cisco Unified IP Phone 7940G	P00308000900	P0S3-08-8-00
Cisco Unified IP Phone 7941G	SCCP41.8-4-1S	SIP41.8-4-1S
Cisco Unified IP Phone 7941G-GE ²	SCCP41.8-4-1S	SIP41.8-4-1S
Cisco Unified IP Phone 7942G	SCCP42.8-4-1S	SIP42.8-4-1S
Cisco Unified IP Phone 7945G	SCCP45.8-4-1S	SIP45.8-4-1S
Cisco Unified IP Phone 7960G	P00308000900	P0S3-08-8-00
Cisco Unified IP Phone 7961G	SCCP41.8-4-1S	SIP41.8-4-1S
Cisco Unified IP Phone 7961G-GE	SCCP41.8-4-1S	SIP41.8-4-1S
Cisco Unified IP Phone 7962G	SCCP42.8-4-1S	SIP42.8-4-1S
Cisco Unified IP Phone 7965G	SCCP45.8-4-1S	SIP45.8-4-1S
Cisco Unified IP Phone 7970G	SCCP70.8-4-1S	SIP70.8-4-1S
Cisco Unified IP Phone 7971G-GE	SCCP70.8-4-1S	SIP70.8-4-1S

Table 2 *Firmware Versions for Cisco Devices in Cisco Unified Communications Release 7.0(1) for IP Telephony*

Component	SCCP Firmware Version	SIP Firmware Version
Cisco Unified IP Phone 7975G	SCCP75.8-4-1S	SIP75.8-4-1S
Cisco Unified IP Phone 7985G	CMTERM_7985.4-1-6-0	—
Cisco Catalyst 6608 (voice gateway)	D00404000032 ³	
Cisco Conference Bridge WS-X6608	C00104000003	

1. Phone model tested in EUEM site models only during Cisco Unified Communications Release 7.0(1) system testing.
2. SRST failover tested on phone model with SIP firmware load installed only, not with SCCP firmware load
3. Only endpoints such as IP phones and analog telephone adaptors have separate firmware loads to support SCCP or SIP protocols; gateways and conference bridges do not.

Latest Software Upgrades and Licenses

The following are links to the latest software upgrades and licenses for Cisco Unified Communications Release 7.0(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 Communications 500 Series for Small Business
 - Cisco Customer Response Solutions (Unified Contact Center Express)
 - Cisco Emergency Responder
 - Cisco Unified Application Environment
 - Cisco Unified PhoneProxy
 - Cisco Unified Messaging Gateway
 - Unified MeetingPlace
 - Unified MeetingPlace Express
 - Cisco Unity
 - Cisco Unity Connection
 - 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://www.cisco.com/kobayashi/sw-center/sw-ios.shtml>
- Catalyst switches: <http://tools.cisco.com/support/downloads/go/MDFTree.x?butype=switches>
- 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/cw2000/lan-planner.shtml>
- Cisco Unity Connection License Files:
http://www.cisco.com/en/US/products/ps6509/products_installation_guide_chapter09186a008055e1f6.html#wp1041859
- Product Upgrade Tool (for ordering CD's of new major/minor releases):
<http://tools.cisco.com/gct/Upgrade/jsp/index.jsp>

Related Documentation

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

http://www.cisco.com/iam/unified/ipt701/ENT/Install_and_Configure_System_Components.htm

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 7.0(1)* at:

http://www.cisco.com/en/US/docs/voice_ip_comm/uc_system/UC7.0.1/ipt_system_inst_upg/suimt.pdf

For additional information on specific hardware recommendations or bills of material for each product, see [System Requirements, page 18](#).

[Table 0-4](#) 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	http://www.cisco.com/en/US/products/ps7273/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 Unified Presence	http://www.cisco.com/en/US/products/ps6837/tsd_products_support_series_home.html
	Cisco Unified Communications 500 Series for Small Business	http://www.cisco.com/en/US/products/ps7293/tsd_products_support_series_home.html
Contact Center	Cisco Customer Response Solutions (Cisco Unified Contact Center Express)	http://www.cisco.com/en/US/products/sw/custcosw/ps1846/tsd_products_support_series_home.html

Table 3 *Related Documentation URLs (continued)*

Category	Component	Documentation URL
Applications	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 PhoneProxy	http://www.cisco.com/en/US/products/ps7057/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 MeetingPlace Express	http://www.cisco.com/en/US/products/ps6533/tsd_products_support_series_home.html
	Cisco Unified Videoconferencing	http://www.cisco.com/en/US/products/hw/video/ps1870/tsd_products_support_series_home.html
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/partner/products/ps8605/tsd_products_support_series_home.html
Endpoints and Clients	Cisco Unified IP Phone 7900 Series	http://www.cisco.com/en/US/products/hw/phones/ps379/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 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 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	http://www.cisco.com/en/US/products/ps6120/tsd_products_support_series_home.html
	Cisco Catalyst 6500 Series Firewall Services Module (FWSM)	http://www.cisco.com/en/US/products/hw/modules/ps2706/ps4452/tsd_products_support_model_home.html
	Cisco Catalyst 6500 Series Intrusion Detection System (IDSM-2) Module	http://www.cisco.com/en/US/products/hw/modules/ps2706/ps5058/tsd_products_support_model_home.html
	Cisco Intrusion Prevention System Appliance IPS-4200	http://www.cisco.com/en/US/products/sw/secursw/ps2113/tsd_products_support_series_home.html
	Cisco NAC Appliance (Clean Access)	http://www.cisco.com/en/US/products/ps6128/tsd_products_support_series_home.html
	Management Center for Cisco Security Agents	http://www.cisco.com/en/US/products/sw/secursw/ps5057/products_installation_and_configuration_guides_list.html
	Cisco Security Agents	http://www.cisco.com/en/US/products/sw/secursw/ps5057/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 netManager - Unified Communications	http://www.cisco.com/en/US/products/ps7243/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
	Cisco Monitor Manager	http://www.cisco.com/en/US/products/ps7244/tsd_products_support_series_home.html
	Cisco Monitor Director	http://www.cisco.com/en/US/products/ps7246/tsd_products_support_series_home.html
	Cisco Resource Management Essentials (RME)	http://www.cisco.com/en/US/products/sw/cscowork/ps2073/tsd_products_support_series_home.html

Table 3 *Related Documentation URLs (continued)*

Category	Component	Documentation URL
Communications Infrastructure	Cisco IOS Software Release 12.4 T	http://www.cisco.com/en/US/products/ps6441/tsd_products_support_series_home.html
	Cisco 2800 Series Routers/Voice Gateways	http://www.cisco.com/en/US/products/ps5854/tsd_products_support_series_home.html
	Cisco 3700 Series Voice Gateways/Gatekeepers	http://www.cisco.com/en/US/products/hw/routers/ps282/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 7200 Series Voice Gateways	http://www.cisco.com/en/US/products/hw/routers/ps341/tsd_products_support_series_home.html
	Cisco Integrated Services Router (ISR) 1861	http://www.cisco.com/en/US/products/ps5853/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 Catalyst 3550 Series Access Switches	http://www.cisco.com/en/US/products/hw/switches/ps646/tsd_products_support_series_home.html
	Cisco Catalyst 3560 Series Access Switches	http://www.cisco.com/en/US/products/hw/switches/ps5528/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 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 VG224/248 Analog Voice Gateways	http://www.cisco.com/en/US/products/hw/gatecont/ps2250/tsd_products_support_series_home.html
Cisco ATA 186,188 (analog telephony adaptor)	http://www.cisco.com/en/US/products/hw/gatecont/ps514/tsd_products_support_series_home.html	

Limitations and Restrictions

This section includes the following topics:

- [Important Notes, page 29](#)
- [Resolved Caveats, page 32](#)
- [Open Caveats, page 33](#)

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. To access the Bug Toolkit, go to this URL: http://www.cisco.com/cgi-bin/Support/Bugtool/launch_bugtool.pl.

Cisco offers a Product Alert Tool that provides you the ability to set up one or more profiles that will enable you to receive email notification of new Field Notices, Product Alerts or End of Sale information for the products that you have selected. 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 7.0(1) for IP telephony and includes the following issues:

- [HP SCSI Hard Drive Firmware Update, page 29](#)
- [Unity deployment with multiple exchange server does not work with CUPM \(CSCso65108\), page 31](#)
- [Unable to provision trunks, MGCP GW, VM ports and Media resources \(CSCso66982\), page 31](#)
- [High CPU Utilization Causing Call Failures \(CSCsr56225\), page 32](#)
- [Firewall Services Module \(FWSM\) does not support TCP SACK option \(CSCeb1675, CSCsr81535, and CSCsi54863\), page 32](#)

HP SCSI Hard Drive Firmware Update

The HP SCSI hard drive firmware update issue addresses the following defects:

- [CSCse71185](#): Certain HP Ultra320 SCSI HDs May Exhibit Reduced Perf and Timeouts
- [CSCse71295](#): HP FW Recommended to Min Potential for Media Errors on Certain SCSI HD
- [CSCso98836](#): HP Ultra320 SCSI HDD FW Upgrade

CSCse71185: Certain HP Ultra320 SCSI HDs May Exhibit Reduced Perf and Timeouts

A ProLiant server configured with any of the HP Ultra320 SCSI hard drives listed in HP Customer Advisory #C00677430 (available at <http://www.hp.com>) may exhibit reduced performance or have excessive timeouts. This performance issue is caused by the dynamically adjusted seek time profile table in the drive firmware after it becomes degraded.

When this problem occurs, the reduced performance is characterized by occasional brief delays in command response time while servicing random workloads and in severe cases the drive may exhibit command timeouts, which requires a server reboot for recovery.

CSCse71295: HP FW Recommended to Min Potential for Media Errors on Certain SCSI HD

A ProLiant server configured with any of the HP Ultra320 SCSI hard drives listed in HP Customer Advisory #C00542020 (available at <http://www.hp.com>) may report media errors or illuminate the drive fault LED. The corrected firmware version (HPB4 or later) reduces the hard drive idle time that could potentially lead to build-up of media lubricant on the disk surface or drive head, causing the drives to report media errors or illuminate the drive fault LED.

CSCso98836: HP Ultra320 SCSI HDD FW Upgrade

A ProLiant server configured with any of the HP Ultra320 SCSI hard drives listed in HP Customer Advisory #C00859596 (available at <http://www.hp.com>) may exhibit timeouts and SCSI downshifts.

These problems may occur on the following server models:

- MCS-7835-1266 (DL380-G2)
- MCS-7835H-2.4 (DL380-G3)
- MCS-7835H-3.0 (DL380-G3)
- MCS-7835-H1 (DL380-G4)
- MCS-7845-1400 (DL380-G2)
- MCS-7845H-2.4 (DL380-G3)
- MCS-7845H-3.0 (DL380-G3)
- MCS-7845-H1 (DL380-G4)

The affected hard drives for these problems are listed in the associated HP Customer Advisories. However, the Cisco provided HP SCSI Hard Drive Firmware Update CD can be applied to all listed server types and the impacted drives will be updated if applicable.

To update the firmware to a Cisco tested level, use the Cisco provided HP SCSI Hard Drive Firmware Update CD released simultaneous to the Unified Communications 7.0(1) system release. For more details on installing the firmware, see the README.txt file for HP SCSI Hard Drive Firmware Update CD.

The ISO image for the Cisco provided HP SCSI Hard Drive Firmware Update CD and associated readme file may be obtained from Cisco.com at the following navigation path:

<http://tools.cisco.com/support/downloads/go/Redirect.x?mdfid=278875240>

From the Tools and Resources Downloads page, go to:

Communications Infrastructure ->

Voice Servers ->

Cisco 7800 Series Media Convergence Servers

<SERVER MODEL>

Latest Releases ->

Firmware ->

<Select: HP_SCSI_FW-1.0.1.iso>

<Select: HP_SCSI_FW-Readme.txt>

Unity deployment with multiple exchange server does not work with CUPM (CSCso65108)

Cisco Unified Provisioning Manager (CUPM) can be used to create mailboxes only on the default mailstore in partner exchange server and cannot be used to create mailboxes in exchange servers other than the partner exchange server. This is a limitation for enterprise customers with Unified messaging system and many voicemail deployments with more than one exchange servers in their network.

To workaround this issue, move the mailboxes to the desired mailstore in desired exchange server using Microsoft Exchange task Wizard.

Unable to provision trunks, MGCP GW, VM ports and Media resources (CSCso66982)

Cisco Unified Provisioning Manager provides a reliable and scalable Web-based solution for managing a your next-generation communications services in an integrated IP telephony, voicemail, and messaging environment including:

- Cisco Unified Communications Manager
- Cisco Unified Communications Manager Express
- Cisco Unity
- Cisco Unity Express
- Cisco Unity Connection systems
- Cisco Unified Mobility
- Cisco Unified Communications Manager side of Presence provisioning, including client provisioning for Cisco Unified Personal Communicator

However Provisioning Manager does not support the configurations of the following in Cisco Unified Communications Manager:

- MGCP Gateway
- SIP Trunk
- ICT Trunk (non-GK controlled)
- ICT Trunk (GK controlled)
- H225 Trunk (GK Controlled)
- Gatekeeper
- Voicemail Ports
- Transcoder
- Conference Bridge
- MoH Servers and source
- Media Termination Point
- SRST Reference
- Date/Time Group
- AAR Group
- FAC
- CMC

This issue can be resolved by using Cisco Unified Communications Manager Administration GUI to configure the above components.

High CPU Utilization Causing Call Failures (CSCsr56225)

For the Cisco 2801, 2851, and 7200 Series routers with Cisco IOS image 12.4(20)T, a higher CPU utilization is causing call failures.

Currently, there is no workaround for this problem.

Firewall Services Module (FWSM) does not support TCP SACK option (CSCeb1675, CSCsr81535, and CSCsi54863)

The lack of SACK support in the FWSM addresses the following defects:(

- [CSCeb16752](#): Support TCP selective ACK for TCP connection - TCP SACK option
- [CSCsr81535](#): CUCM SDL Links go out of service under load with seq# rand and SACK data
- [CSCsi54863](#): FWSM: new MPC command to clear TCP Sack-Permitted option in 3WHS - SACK

The Firewall Services Module (FWSM) does not support the TCP SACK option, which means that the sequence numbers carried in the TCP SACK option are not randomized the same way the normal TCP sequence numbers are randomized as they cross FWSM. Due to this issue the sequence numbers carried in the TCP SACK option will appear corrupted to the TCP end points and may reject these packets. This issue is documented in [CSCeb16752](#).

Many TCP end points, among others like the Cisco Unified Communication Manager and Cisco Unified Presence Server support the TCP SACK option to speed up data transfer in case of packet loss. If two such end points establish a TCP session through the FWSM, they will agree during the 3-way handshake to use the TCP SACK option in case of a packet loss. However, if there is packet loss and the end points attempt to use TCP SACK option, they will encounter the problem described in [CSCeb16752](#) and the TCP session may fail. One such instance of a failure is captured in [CSCsr81535](#), where the SDL link between two Cisco Unified Communication Managers went out of service due to this issue.

A workaround to this problem was introduced through the defect [CSCsi54863](#). The **no sysopt connection tcp sack-permitted** command in global configuration mode will instruct the FWSM to modify the TCP packets during the 3-way handshake as if the TCP end points did not support the TCP SACK option. This way the end points will not attempt to use the TCP SACK option and so the lack of support for this option in the FWSM will not cause any problems.



Note

The **no sysopt connection tcp sack-permitted** command does not work for pre-allocated connections. Pre-allocated connections are connections opened by an inspect. In Unified Communications, the H.323/H.225 and the SIP inspects may open pre-allocated TCP connections. This means that **calls that rely on H.323 or SIP signaling crossing and FWSM may still experience intermittent call failures** despite applying the workaround described in the defects.

Resolved Caveats

This section lists caveats, grouped by severity, that are resolved now but are *not* included in the recommended component versions of Cisco Unified Communications System Release 7.0(1) for IP telephony.



Note

For information on the caveats that were resolved in specific versions of each component, refer to 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 7.0(1)*

Identifier	Headline
Severity 1-3 caveats	
CSCsh72308	VHMIntegrator memory leak
CSCsr83757	ASA blocks skinny registration message if inspect turned on
CSCsu49149	Permission problem with index file, CMR data not recorded

Open Caveats

This section lists known caveats, grouped by severity, related to the testing of IP telephony components in Cisco Unified Communications Release 7.0(1) and previous releases, which were not resolved at the time this document was written.

For additional information on 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 1-3 Caveats	
CSCse58807	CPU is not protected by current ARP Throttling code
CSCsi40221	Unified Operations Manager generates false BackupActivated alerts for gateways
CSCsj27101	Unified Communications Manager Ethernet interface (eth0) stops functioning and logs NETDEV WATCHDOG error
CSCsk37734	Uploading duplicate contact in a outbound campaign fails; however, the import tool displays upload successful message
CSCsk41498	CUOM cannot discover SIP Phone registered to cme
CSCsk46742	Unified Communications Manager: Critical services goes down when a single hard disk drive fails
CSCsl17593	SRND: Update documentation to explain the G.722 incompatibility with Unified Communication Manager software conference bridge.
CSCso07497	Syscheck does not warn to disable CSA
CSCso78395	Call from H.323 Tandberg endpoint fails when routed to H323 GK ICT Trk
CSCsq24072	Blind transfer and transfer fail in the CME
CSCsq43974	VPIM: Instead of IP --hostnames should also be allowed for A/A
CSCsq84101	CMM sending ACK after connection closed
CSCsr04818	SSM advertises in reserve ports 1099, 1100 for JBoss
CSCsr26017	ASA support for H.323 version 5
CSCsr38749	Cluster level RG/RL threshold settings are not preserved during upgrade
CSCsr39311	CM SIP Trunk call failures due to ASA closing connection by inspection
CSCsr39880	Insert and removal of compact flash may result in system hang

Table 5 **Open Caveats**

Identifier	Headline
CSCsr42066	A/A: After SBR can't login to the secondary node using web page
CSCsr46668	FSWM H323 RAS inspection caused majority of the H323 call failure
CSCsr46822	CUPC cannot come up after L2 upgrade from UC6.x version to UC7.x version
CSCsr52010	UMR fails to send messages to Exchange
CSCsr81535	CUCM SDL Links go out of service under load when ASA is put inline
CSCsr91942	Recorded name not sent with VPIM message if sender is on another server
CSCsr94230	High IOWAIT resulting in call failures
CSCsu24472	Add support for SIP PUBLISH method
CSCsu40660	UMG should preserve original message information
CSCsu42186	Need to be able to send spoken name when auto-registered to UMG
CSCsu46215	H.323 calls randomly fail during load testing (high BHCA)
CSCsu48147	CUPC gets stuck in call after other party hangs up
CSCsu54814	CUE prompts are not heard on 7985 Phone
Severity 4-6 Caveats	
CSCsb92419	Cisco Unified CallManager does not support static codec G.726r32 on a SIP trunk.
CSCsc30731	Multicast Music-On-Hold not supported by SIP gateway
CSCsc97966	Unified MeetingPlace Express will not register to a specific zone in gatekeeper
CSCsd27125	Support SIP video pass through with audio transcoder
CSCsd35417	Stopping meeting room music when using Cisco Unified MeetingPlace Express with SIP Integration to Cisco Unified CallManager
CSCsd62658	Certificate Authority Proxy Function (CAPF) logging requires service restart
CSCsd64029	Bulk Administration Tool (BAT) should support more than 12,000 records per transaction
CSCse06753	No protection for limiting number of active nailed up callers
CSCse71185	Certain HP Ultra320 SCSI HDs May Exhibit Reduced Perf and Timeouts. See also Important Notes, page 29 .
CSCsf04535	Unified Communications Manager Recovery CD should have hardware diagnostic option
CSCsk64072	During a new installation of CRS as Unified IP IVR in a Unified Contact Center Express deployment, the Unified ICM subsystem configuration shows “Service Control: with No selected as the default choice”
CSCsk70971	NTP server synchronization problems when external NTP server is unavailable
CSCsm48382	Meet-me conference with MCU needs to supported with CME video
CSCso55943	CUPM 1.3 does not support Unity High Availability
CSCso65108	Unity deployment with multiple exchange server does not work with CUPM See also Important Notes, page 29 .
CSCso66982	Unable to provision trunks, MGCP GW, VM ports and Media resources See also Important Notes, page 29 .
CSCso70139	SRST gateway doesn't provide the option to configure 7915/16 sidecar
CSCso92808	CUPC fails to transmit port 50001 due to reassembly limit of 8192

Table 5 **Open Caveats**

Identifier	Headline
CSCsq86790	CUPM 1.3 does not support Unity Connection Active/Active deployment
CSCsr68808	CUMA does not support Unity Connection in Active-Active mode

Troubleshooting

For important troubleshooting information, tips, and recommendations related to Cisco Unified Communications System Release 7.0(1) for IP telephony, see the troubleshooting information at:

http://www.cisco.com/iam/unified/ipt701/ENT/Introduction_to_Troubleshooting.htm

Documentation Updates

- **Technical Information Sites**—The Unified Communications Technical Information Sites available by typing <http://www.cisco.com/iam/unified/index.htm> are your one-stop location for all system-level documentation, resources, and training. These sites provide information on tested deployment models and sites, topology diagrams, and call flows. The sites specific to IP telephony or contact center system applications for Unified Communications Release 7.0(1) are:
 - Cisco Unified Communications System for IP Telephony Release 7.0(1):
<http://www.cisco.com/iam/unified/ipt701/ENT/index.htm>
 - Cisco Unified Communications System for Contact Center Release 7.0(1):
<http://www.cisco.com/iam/unified/ipcc701/index.htm>
 - Cisco Unified Communications System for IP Telephony for SMB Release 7.0(1):
<http://www.cisco.com/iam/unified/ipt701/SMB/index.htm>
- **System Installation and Upgrade Manual**—The document has been updated with the supported upgrade paths to Cisco Unified Communications Release 7.0(1), upgrade considerations to be aware as you perform the upgrade, and the recommended upgrade sequence. This document is available at: http://www.cisco.com/en/US/docs/voice_ip_comm/uc_system/UC7.0.1/ipt_system_inst_upg/suimt.pdf
- **System Test Results for IP Telephony: Cisco Unified Communications Release 7.0(1)**—Test results of the IP telephony system testing are available at: http://www.cisco.com/en/US/docs/voice_ip_comm/uc_system/UC7.0.1/ipt_test_results/tript701.pdf

Obtaining Documentation, Obtaining Support, and Security Guidelines

For information on 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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