



System Release Notes for IP Telephony: Cisco Unified Communications System, Release 6.1(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, and Cisco Unified Presence
- Voice applications, such as Cisco Emergency Responder
- Conferencing components, such as Cisco Unified MeetingPlace, Cisco Unified MeetingPlace Express, Cisco Unified Videoconferencing, and Cisco Unified TelePresence
- 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, such as Cisco Aironet Access Points, Cisco Unified Mobility Advantage, and Cisco Unified Mobile Communicator
- 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 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 6.1(1) system, see [Software Version Matrix, page 11](#).

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

<http://www.cisco.com/iam/unified/ipcc611/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 6.1(1), see [System Requirements, page 9](#). 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 6.1(1) included the following:

- Testing on two distinct upgrade paths for North America IP telephony main components:
 - Multistage upgrade from IP Communications System Test Release 4.2 versions to Cisco Unified Communications Release 6.1(1) versions. For a list of the base Release 4.2 versions, see the *Systems Release Notes for North America IP Telephony: IP Communications Systems Test Release 4.2* at:
http://www.cisco.com/univercd/cc/td/doc/product/voice/ip_tele/gblink/system/gbtst4x/4_2/rng42nip.htm
 - Multistage stage upgrade from Cisco Unified Communications Release 6.0(1) versions to Cisco Unified Communications Release 6.1(1) versions. 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/univercd/cc/td/doc/systems/unified/uc601/relnotes/rnipt601.htm>
 - Single stage upgrade from Cisco Unified Communications Release 6.0(1) versions to Cisco Unified Communications Release 6.1(1) versions. 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/univercd/cc/td/doc/systems/unified/uc601/relnotes/rnipt601.htm>

For a list of the target Cisco Unified Communications Release 6.1(1) versions that the main components were upgraded to, see [Software Version Matrix, page 11](#). System upgrade procedures are provided in the *System Installation and Upgrade Manual for IP Telephony* at:
<http://www.cisco.com/univercd/cc/td/doc/systems/unified/uc611/siumipt/suim.pdf>

- Testing on a Multisite Distributed deployment topology, including changes to the following site models since Cisco Unified Communications Release 6.0(1):
- Interoperability testing between Cisco Unified Communications Manager Release 6.1(1) and both Cisco Unified Communications Manager Release 6.0(1) and Cisco Unified Communications Manager Release 4.1(3)SR2.
- Infrastructure security implemented with Cisco ASA 5500 Series Adaptive Security Appliance (ASA), Cisco Catalyst 6500 Series Firewall Services Module (FWSM), Cisco Catalyst 6500 Series Intrusion Detection System (IDS-2) Module, Cisco Intrusion Prevention System Appliance IPS-4200, Cisco NAC Appliance (Clean Access), and Cisco Security Agent for Unified Contact Center Express, Cisco Unity, Unified MeetingPlace, Unified Communications Manager, and Cisco Emergency Responder.

New and Changed Features

This release of Cisco Unified Communications includes the following new or upgraded significant components since Release 6.0(1) :

- [Cisco Unified Communications Manager, page 4](#)
- [Cisco Unified Presence, page 5](#)
- [Cisco Customer Response Solutions \(Unified IP IVR\), page 5](#)
- [Cisco Unified Messaging Gateway, page 6](#)
- [Cisco Unified Operations Manager, page 6](#)
- [Cisco Unity Express, page 7](#)
- [Additional Cisco Unified IP Phone Support, page 7](#)
- [Cisco Unified Mobility Advantage, page 7](#)
- [Cisco IOS 12.4\(15\)T3, page 8](#)
- [Cisco IOS 12.4\(11\)XW5/Unified Communications Manager Express 4.2, page 8](#)
- [Cisco IOS 12.4\(13d\) Mainline, page 8](#)

For information on components versions that is not changed in Unified Communications Manager Release 6.1(1), refer to the *System Release Notes for IP Telephony: Cisco Unified Communications System, Release 6.0(1)*:

<http://www.cisco.com/univercd/cc/td/doc/systems/unified/uc601/relnotes/rnupt601.htm>

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

Cisco Unified Communications Manager

Unified Communications Manager Release 6.1(1a) includes the following changes and updates to functionality since Unified Communications Manager Release 6.0(1):

- Installation process includes the following new features:
 - Ability to set the maximum transmission unit (MTU) size
 - Validates that a subsequent node can communicate with the first node
- Join Across Lines Policy—This feature allows a phone user to press the Join softkey and then the line button of an existing call to convert an existing call to an Ad Hoc conference. The user who pressed the Join softkey becomes the conference initiator and can add more participants to the conference or utilize conference chaining, and other Ad Hoc conference features as desired.
- Single Button Barge/CBarge Policy— When enabled, single-button capability allows users to barge/cBarge into an existing shared line call by pressing the line button associated with the call that they want to barge/cBarge into.
- Simultaneous log in to Cisco Unified Communications Operating System and Cisco Unified Communications Manager Administration is not possible.
- Enhancements to Unified Communications Manager such as:
 - Intercom for Cisco Extension Mobility—The new Default Activated Device field must be configured with intercom directory numbers for the intercom feature to function for users who log in to phones remotely using Cisco Extension Mobility.

- Licensing for Cisco Unified Mobility—Cisco Unified Communications Manager Administration Configuration System and User Management menus, which enable you to specify and control the number of device license units that are consumed and credited for adjunct devices that are used specifically for Cisco Unified Mobility.
- SIP Trunk Identification—Allows you to define how Cisco Unified Communications Manager identifies the SIP trunk to use for a call for rerouting purposes.
- Serviceability enhancements to the Real-Time Monitoring Tool (RTMT) that include the ability to collect installation logs, display information on predefined Cisco Unified Communications Manager objects and new states on critical services, and others.
- From the Unified Communications Manager User Options web page, users can now configure not just the call forward all option, but also the call forward busy, call forward no answer, and call forward no coverage user options
- Support for Thai and Turkish localization
- Support for Cisco Unified IP Phone 7937 models and Cisco Unified SIP 3911 models.

For a detailed description of these features and functionality, see *Release Notes for Cisco Unified Communications Manager Release 6.1(1a)* at:

http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/rel_notes/6_1_1/cucm-rel_note-611a.pdf

Cisco Unified Presence

Unified Presence Server Release 6.0(2) includes the following changes and updates to functionality since Unified Presence Server Release 6.0(1):

Cisco Unified Presence Release 6.0(2) can be installed on a VMWare platform, which enables Cisco Unified Presence to run on virtual machines in non-production, demonstration and development environments. However, Cisco offers no support for such an environment.

Upon detecting VMWare, Cisco Unified Presence automatically licenses the SIP Proxy and Presence Engine services for non-production use. The auto-generated demonstration licenses covers Proxy and Presence Engine services on two Cisco Unified Presence servers: the Publisher and the Subscriber. Users need to activate the Proxy and Presence Engine but do not need to upload license files.

Since VMWare Player is not yet supported, only a fresh install of Unified Presence on an MCS or equivalent Server is supported.

For a detailed description of these features and functionality, see the *Release Notes for Cisco Unified Presence Release 6.0(2)* at:

http://www.cisco.com/en/US/docs/voice_ip_comm/cups/6_0_2/english/rel_notes/cup602ESrn.html

Cisco Customer Response Solutions (Unified IP IVR)

Cisco Customer Response Solutions (Unified IP IVR) Release 5.0(2) includes the following changes and updates:

- Support for Cisco Unified E-Mail Interaction Manager (Unified EIM) and Cisco Unified Web Interaction Manager (Unified WIM) Phase 1 version 4.2.2 with SR1
- Supports upgrade from 4.5.X to 5.0(2) and 5.0(1) to 5.0(2)
- Microsoft Vista support for Cisco Agent Desktop (CAD) and Cisco Supervisor Desktop (CSD), Historical Report Client (HRC), and Editor

- Standard licence repackaging will not support CAD and will include skill-based routing. CAD support will be part of the Enhanced license package
- Support for SQL Server 2005 as enterprise database
- Support for WFO 1.1
- Support for Danish localization

**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\(11\)XW5/Unified Communications Manager Express 4.2, page 8](#) for more information on this interoperability requirement.

For a detailed description of Customer Response Solutions (Unified Contact Center Express) features and functionality, see *Release Notes for Cisco Customer Response Solutions 5.0(2)* at:

http://www.cisco.com/en/US/docs/voice_ip_comm/cust_contact/contact_center/express/crs5_02/release/notes/crs502rn.pdf

Cisco Unified Messaging Gateway

Cisco Unified Messaging Gateway (UMG) Release 1.0(1) 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/rell_0/release/notes/rnumg10.html

Cisco Unified Operations Manager

Cisco Unified Operations Manager Release 2.0.2 provides support for additional devices that are part of the Cisco Unified Communications System Release 6.1(1). The devices supported are:

- Cisco 1861 Integrated Services Router
- Cisco Unified Communications Manager 6.1

- Cisco Unified Communications Manager 4.3
- Cisco Unity Express 3.1
- Cisco Unified Communications 500 series

For a detailed description of Unified Operations Manager Release 2.0.2 features and functionality, see *Release Notes for Cisco Unified Operations Manager 2.0.2* at:

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

Cisco Unity Express

Unity Express Release 3.1(1) includes the following changes and updates to functionality since Release 3.0(1):

- Support for Automatic Registration with Cisco Unified Messaging Gateway 1.0—Cisco Unity Express 3.1 provides interoperability with Cisco Unified Messaging Gateway 1.0, which provides a tool for system administrators to manage large numbers of Cisco Unity Express endpoints in a distributed network
- Supports storing of Historical Reporting on Remote Sites—Beginning with Cisco Unity Express 3.1, the historical reporting information can be stored on remote databases.
- Support for new Voice Mail Subscriber feature—In environments running Cisco Unified Messaging Gateway 1.0, voice-mail users will have the option of searching a global directory if an extension is not found when addressing a message by name or number.
- Support for Dutch and Swedish localization

For a detailed description of these features and functionality, see *Release Notes for Cisco Unity Express Release 3.1* at:

http://www.cisco.com/en/US/docs/voice_ip_comm/unity_exp/rel3_1/release/notes/rncue31.html

Additional Cisco Unified IP Phone Support

Cisco Unified Communications Release 6.1(1) introduces support for the following new phone models:

- Cisco Unified IP Phone 7937G
- Cisco Unified SIP Phone 3911

For more information on Cisco Unified 7900 series IP Phone models, see the appropriate release notes at:

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

For more information on Cisco Unified 3900 series SIP Phone models, see the appropriate release notes at:

http://www.cisco.com/en/US/products/ps7193/prod_release_notes_list.html

Cisco Unified Mobility Advantage

For more information on these new products, see *Cisco Unified Mobility Advantage 3.0.9 and Cisco Unified Mobile Communicator 3.0 Release Notes* at:

http://www.cisco.com/en/US/products/ps7270/prod_release_notes_list.html

Cisco IOS 12.4(15)T3

For a detailed description of Cisco IOS Release 12.4(15)T3 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 12.4(11)XW5/Unified Communications Manager Express 4.2

In Cisco Unified Communications System Release 6.1(1), the Cisco IOS release version did not change from the previous Cisco Unified Communications System release.

Testing was performed using the following voice/data gateways:

- Cisco 2800 Series Integrated Services Routers: Cisco 2801, Cisco 2811, Cisco 2821 (H.323), and Cisco 2851
- Cisco 3800 Series Integrated Services Routers: Cisco 3825 and Cisco 3845 (H.323 and MGCP)

For a detailed description of these and other IOS Release 12.4(11)XW features, see *Release Notes for Cisco 3800 Series Integrated Services Routers with Cisco IOS Release 12.4(11)XW* at:

http://www.cisco.com/en/US/products/ps6706/prod_release_note09186a00808380ab.html

Cisco IOS 12.4(13d) Mainline

The majority of Cisco Unified Communications Release 6.1(1) system testing was performed using Cisco IOS Release 12.4(15)T. However, automated testing of basic call functionality and additional load testing were performed using the Cisco IOS Release 12.4(13d) 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. For defects filed against this testing, see [Resolved Caveats, page 23](#).

Testing was performed using the following voice/data gateways:

- Cisco 2800 Series Integrated Services Routers: Cisco 2811, Cisco 2821 (H.323), and Cisco 2851
- 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)
- Cisco VG224 Voice Gateway

To compare the differences in features and functionality between 12.4(15)T and 12.4(13d), 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(13d) 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)

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 6.1(1). This section contains the following information:

- [End-of-Sale Components, page 9](#)
- [Deployment Considerations, page 10](#)
- [Software Version Matrix, page 11](#)
- [Firmware Version Matrix, page 15](#)

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 MCS-7825-H1
- Cisco MCS-7825I-3000
- Cisco MCS-7845H-2400
- Cisco MCS-7845H-3000
- Cisco 2611
- Cisco 2621
- Cisco 2651
- Cisco switch/router modules:
 - WS-X6624-FXS Analog Interface Module
 - NM-HDV High Density Voice Network Module
 - NM-1V/2V Low-Density Analog Interface Module
 - VIC-2FXO/2FXS Low Density Voice/Fax Network Module
- Analog Telephone Adaptor model ATA188
- Cisco VT Advantage (CVT-ADV-E1)
- Unified Videoconferencing 3526 PRI Videoconferencing Gateway
- Unified Videoconferencing Multipoint Control Unit 3511

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 6.1(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://www.cisco.com/cgi-bin/Support/Bugtool/launch_bugtool.pl
- 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 6.1(1) system test.

Table 1 *Software Release Versions in Cisco Unified Communications Release 6.1(1) for IP Telephony*

Category	Component	Release Version
Call Control	Cisco Unified Communications Manager	6.1(1a) ¹
	Cisco Unified Communications Manager Business Edition	6.1(1)
	Cisco Unified Communications Manager Express	4.2/IOS 12.4(15)T3 ² , 4.2/IOS 12.4(11)XW5
	Cisco Unified Survivable Remote Site Telephony (SRST)	4.1/IOS 12.4(15)T 4.2/IOS 12.4(11)XW5 Secure SRST deployment require advipservicesk9 image 4.2/IOS 12.4(11)XW5
	Cisco Unified Presence	6.0(2) ¹
	Cisco Unified Business Attendant Console and Unified Department Attendant Console	6.0
	Cisco Unified Communications 500 Series for Small Business	IOS 12.4(11)XW2
Contact Center	Cisco Customer Response Solutions (Cisco Unified Contact Center Express)	5.0(2)
	Cisco Customer Response Solutions (Unified Contact Center Express)—Operating System	OS 2003.1.1SR4
Applications	Cisco Emergency Responder	2.0(3) ¹
	Cisco Fax Server	9.0
	Cisco Unified Application Environment	2.4
	Cisco Unified PhoneProxy	1.0(2)
	Cisco Unified Messaging Gateway	1.0.1

Table 1 **Software Release Versions in Cisco Unified Communications Release 6.1(1) for IP Telephony (continued)**

Category	Component	Release Version
Conferencing	Cisco Unified MeetingPlace—Operating System	Win OS 2003.1.2.aSR2
	Cisco Unified MeetingPlace Audio Server ³	6.0 MR1
	Cisco Unified MeetingPlace IP Gateway	5.3.1.29
	Cisco Unified MeetingPlace Web Conferencing	6.0.244.0
	Cisco Unified MeetingPlace Video Integration	5.4.204
	Cisco Unified MeetingPlace Video Administration Server	5.4.0.112
	Cisco Unified MeetingPlace for Outlook	6.0.115.0
	Cisco Unified MeetingPlace MeetingTime	6.0.1.4
	Cisco Unified MeetingPlace Jabber Integration	6.0.102.0
	Cisco Unified MeetingPlace Directory Services	5.4.104
	Cisco Unified MeetingPlace Express	2.0.2.126 ^{1,4}
	Cisco Unified Videoconferencing 3515 MCU	5.1.0.0.24
	Cisco Unified Videoconferencing 3540 MCU	4.2.10
	Cisco Unified Videoconferencing Enhanced Media Processor (EMP) Module for 3540 MCU	4.2.8
	Cisco Unified Videoconferencing 3545 MCU	5.1.0.0.24
	Cisco Unified Videoconferencing Enhanced Media Processor (EMP) Module for 3545 MCU	5.1.0.0.27
	Cisco Unified Videoconferencing 3521, 3522 BRI Gateways	5.0.0.0.22
	Cisco Unified Videoconferencing 3526, 3527, and 3545 PRI Gateways	5.0.0.0.22
Cisco Unified Videoconferencing 3540 PRI Gateway	5.0.0.0.17	
Voice Mail and Unified Messaging	Cisco Unity	5.0 ES30
	Unity-CM TSP	8.1(3)
	Cisco Unity—Microsoft Exchange	Microsoft Exchange 2003 SP2 (on Cisco Unity and partner Exchange servers) and Microsoft Exchange 2000SP3 or Exchange 2003SP2 (on other message store servers)
	Cisco Unity—IBM Lotus Domino	7.0 with DUC 1.2.3
	Cisco Unity Connection	2.1(1)
	Cisco Unity Express	3.1(1)

Table 1 Software Release Versions in Cisco Unified Communications Release 6.1(1) for IP Telephony (continued)

Category	Component	Release Version
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	Bundled with Unified Communications Manager See Firmware Version Matrix , page 15
	Cisco IP Communicator	2.1
	Cisco Unified Personal Communicator	1.2(1)
	Cisco Unified Video Advantage	2.0(3)
Wireless and Mobility	Cisco Aironet Access Point (AP) 1200G	12.3(8)JA
	Cisco Unified Mobility Advantage	3.0(9)
	Cisco Unified Mobile Communicator	3.0(1)
Security	Cisco ASA 5540 Adaptive Security Appliance	8.0(3)
	Cisco Catalyst 6500 Series Firewall Services Module (FWSM)	3.2(2)
	Cisco Catalyst 6500 Series Intrusion Detection System (IDSM-2) Module	6.0.3E1
	Cisco Intrusion Prevention System Appliance IPS-4200	6.0.3E1
	Cisco NAC Appliance (Clean Access)	4.1.2
	Management Center for Cisco Security Agents	5.0.0.216
	Cisco Security Agent for Cisco Customer Response Solutions (Unified Contact Center Express)	5.0.0.216-3.0.3
	Cisco Security Agent for Cisco Unity	4.5.1.639-2.0(3)
	Cisco Security Agent for Unified MeetingPlace	5.0.0.216-6.0.7
	Cisco Security Agent for Unified Communications Manager	Bundled with Unified Communications Manager
Network Management	Cisco Security Agent for Cisco Emergency Responder	Bundled with Cisco Emergency Responder
	Cisco Unified Operations Manager	2.0.2 ⁵
	Cisco Unified Service Monitor	2.0.1
	Cisco netManager - Unified Communications	1.0
	Cisco Unified Service Statistics Manager	1.0
	Cisco Unified Provisioning Manager	1.2
	Cisco Monitor Manager	1.1.2
	Cisco Monitor Director	1.1.2
Cisco Resource Management Essentials (RME)	4.0.5	

Table 1 Software Release Versions in Cisco Unified Communications Release 6.1(1) for IP Telephony (continued)

Category	Component	Release Version
Communications Infrastructure	Cisco 1760 (voice/data gateway)	12.4(15)T3
	Cisco 2610XM, 2611XM, 2620XM ⁶ , 2621XM, 2650XM, 2651XM (router)	12.4(15)T3
	Cisco 2691 (router)	12.4(15)T3
	Cisco 2801, 2821 ⁶ , 2851 ⁶ , 3825 ⁶ , 3845 ⁶ (router, voice/data gateway)	12.4(15)T3
	Cisco 3745 (gatekeeper)	12.4(15)T3
	Cisco 3725 ⁶ , 3745 ⁶ (voice/data gateway)	12.4(15)T3
	Cisco 3725, 3745, 3825 (SRTP and Secure SRST gateways)	12.4(15)T3
	Cisco 7206 ⁶ (voice/data gateway)	12.4(15)T3
	Cisco Catalyst 3500 XL Series (access switch)	12.0(5)WC17
	Cisco Catalyst 3550 (access switch)	12.2(40)SE
	Cisco Catalyst 3560 (access switch)	12.2(40)SE
	Cisco Catalyst 3750 (data center switch)	12.2(25)SEE3 with advipservicesk9 image
	Cisco Catalyst 4503 (access switch)	12.2(25)EWA8
	Cisco Catalyst 4506 (access switch)	12.2(25)EWA8
	Cisco Catalyst 6506, 6509 (voice access switch, Supervisor Engine 2/MSFC2)	CatOS 8.5(8) / 12.2(18)SXF8
	Cisco Catalyst 6506, 6509 (core switch, Supervisor Engine 720)	12.2(18)SXF8 (native-mode)
	Cisco Catalyst Communications Media Module (CMM) ⁶	12.4(15)T3
	Cisco Catalyst 6608, 6624 (voice gateway)	Bundled with Unified Communications Manager See Firmware Version Matrix, page 15
	Cisco Integrated Services Router (ISR) 1861	12.4(11)XW5
	Cisco Unified Border Element	12.4(11)XW3
Cisco VG224 (analog voice gateway) ⁶	12.4(15)T3	
Cisco VG248 (analog voice gateway)	1.3(2)	
Cisco ATA 186,188 (analog telephony adaptor)	Bundled with Unified Communications Manager See Firmware Version Matrix, page 15	
Third Party	McAfee Antivirus ⁷	Enterprise 8.0.0 Patch Version: 11

- For software running on a MCS 7825-H2 server, an additional patch file is recommended; see [Unexpected Reboots on MCS7825-H2 Servers \(CSCs120970\)](#), page 21 for more information.
- Tested on all ISR platforms except Unified Communications 500 Series for Small Business and ISR 1861. The Unified Communications 500 Series for Small Business and ISR 1861 platforms were tested on Cisco IOS version 12.4(11)XW2.

3. A hot fix is available for defect [CSCsh57350](#). Contact Cisco TAC for the hotfix.
4. A hot fix is available to fix defect [CSCsi13566](#).
5. See [Cisco Unified Operations Manager Defects, page 22](#) for important information on defects associated with Unified Operations Manager Release 2.0(2).
6. Additional basic PSTN functionality and load testing was performed using IOS Mainline Release 12.4(13b) on this device; see [Cisco IOS 12.4\(13d\) Mainline, page 8](#) for more information.
7. 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 6.1(1) system test.

Table 2 *Firmware Versions for Cisco Devices in Cisco Unified Communications Release 6.1(1) for IP Telephony*

Component	SCCP Firmware Version	SIP Firmware Version
Cisco Unified SIP Phone 3911	—	SIP3951.8-1-1b
Cisco Unified IP Phone 7902G ¹	CP7902080002SCCP060817A	—
Cisco Unified IP Phone 7905G	CP7905080003SCCP070409A	CP7905080001SIP060412A
Cisco Unified IP Phone 7906G	SCCP11.8-3-3S	SIP11.8-3-3S
Cisco Unified IP Phone 7911G	SCCP11.8-3-3S	SIP11.8-3-3S
Cisco Unified IP Phone 7912G	CP7912080003SCCP070409A	CP7912080001SIP060412A
Cisco Unified IP Phone 7920	CMTERM_7920.4.0-03-00	—
Cisco Unified IP Phone 7921G	CP7921G-1.0.4	—
Cisco Unified IP Phone 7931G	SCCP31.8-3-3S	—
Cisco Unified IP Phone 7935	P00503021700	—
Cisco Unified IP Phone 7936	CMTERM_7936.3-3-14-0	—
Cisco Unified IP Phone 7937G	APPS37SCCP.1-0-1-0	—?
Cisco Unified IP Phone 7940G	P00308000700	POS3-08-8-00
Cisco Unified IP Phone 7941G-GE ²	SCCP41.8-3-3S	SIP41.8-3-3S
Cisco Unified IP Phone 7942G	SCCP42.8-3-3S	SIP42.8-3-3S
Cisco Unified IP Phone 7945G	SCCP45.8-3-3S	SIP45.8-3-3S
Cisco Unified IP Phone 7960G	P00308000700	POS3-08-8-00
Cisco Unified IP Phone 7961G-GE	SCCP41.8-3-3S	SIP41.8-3-3S
Cisco Unified IP Phone 7962G	SCCP42.8-3-3S	SIP42.8-3-3S
Cisco Unified IP Phone 7965G	SCCP45.8-3-3S	SIP45.8-3-3S
Cisco Unified IP Phone 7970G	SCCP70.8-3-3S	SIP70.8-3-3S
Cisco Unified IP Phone 7971G-GE	SCCP70.8-3-3S	SIP70.8-3-3S
Cisco Unified IP Phone 7975G	SCCP75.8-3-3S	SIP75.8-3-3S
Cisco Unified IP Phone 7985G	CMTERM_7985.4-1-4-0	—
Cisco ATA 186, 188 (analog telephony adaptor)	ATA030203SCCP051201A	—

Table 2 *Firmware Versions for Cisco Devices in Cisco Unified Communications Release 6.1(1) for IP Telephony*

Component	SCCP Firmware Version	SIP Firmware Version
Cisco Catalyst 6608 (voice gateway)	D00404000030 ³	
Cisco Conference Bridge WS-X6608	C00104000002	

1. Phone model tested in EUEM site models only during Cisco Unified Communications Release 6.1(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 6.1(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
 - 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/ipt611/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 Manual for IP Telephony* at:

<http://www.cisco.com/univercd/cc/td/doc/systems/unified/uc611/siumipt/suimt611.pdf>

For additional information on specific hardware recommendations or bills of material for each product, see [System Requirements, page 9](#).

[Table 3](#) 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 Business Attendant Console and Unified Department Attendant Console	http://www.cisco.com/en/US/partner/products/ps7282/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 Fax Server	http://www.cisco.com/en/US/products/ps6178/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 (IDS-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 1700 Series Modular Access Routers	http://www.cisco.com/en/US/products/hw/routers/ps221/tsd_products_support_series_home.html
	Cisco 2600 Series Routers	http://www.cisco.com/en/US/products/hw/routers/ps259/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 Routers/Voice Gateways	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/voicew/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 21](#)
- [Resolved Caveats, page 23](#)
- [Open Caveats, page 24](#)

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 6.1(1) for IP telephony and includes the following issues:

- [Unexpected Reboots on MCS7825-H2 Servers \(CSCsl20970\), page 21](#)
- [Unity Ports in SIP Integration with Unified Communications Manager \(CSCsl46826\), page 22](#)
- [Cisco Unified Operations Manager Defects, page 22](#)
- [Cisco 2801 Router Crashes Due to Insufficient Memory \(CSCsm27446\), page 23](#)
- [ASA Firewall Performance \(CSCsg26064\), page 23](#)
- [Bidirectional NAT on FWSM Not Supported for VoIP Calls \(CSCsh83414\), page 23](#)
- [Configuring and Registering SCCP Unified IP Phones Affects Virtual Memory \(CSCsh87826\), page 23](#)

Unexpected Reboots on MCS7825-H2 Servers (CSCsl20970)

Cisco MC7825-H2 or HP DL320G4 servers running the following Cisco Unified Communications Release 6.1(1) software may reboot unexpectedly:

- Cisco Unified Communications Manager 6.1(1a)
- Cisco Unified Presence 6.0(1)
- Cisco Unified MeetingPlace Express 2.0(2)
- Cisco Emergency Responder 2.0(3)

Servers with this issue will appear to become non-responsive for a period of time. If that period of time exceeds ten minutes, the server will reboot and return to normal operation. During the time of non-responsiveness, the server clock will stop updating and will continue to display the same time for the duration of the hang. The frequency of this system hang may vary from only once in many months to multiple times a week.

A diagnostic and a patch file to address this problem are available:

- **ciscocm.hpasm-7.8-verify.cop.sgn**—A benign diagnostic file that does not affect any server resources; it simply indicates whether the server qualifies for the second file by verifying that the server is a MCS-7825-H2 and that version 7.6 or 7.7 of the HP Advanced Server Management software is installed. This diagnostic file will not install the fix.
- **ciscocm.hpasm-7.8-install.cop.sgn**—A patch file that removes the older version of the HP Advanced Server Management software and replaces it with the newer 7.8 HP Advanced Server Management software, which addresses the sporadic system halts and reboots. Even if this event has not already occurred on a given server, Cisco recommends installing the second patch file on affected servers.



Note Once installed, the patch cannot be uninstalled.

The files are available at the Cisco Unified Communications Manager Utilities Software Downloads page (registered customers only) at:

<http://www.cisco.com/cgi-bin/apps/tblbld/tablebuild.pl/callmgr-utilpage?psrtdcat20e2>

Additional information on this issue is available at:

http://www.cisco.com/en/US/products/sw/voicesw/ps556/products_field_notice09186a00808854a6.shtml

Unity Ports in SIP Integration with Unified Communications Manager (CSCsI46826)

During normal operation, ports on a Cisco Unity Release 5.0 server integrated with a Unified Communications Manager 6.0(1)/6.1(1a) server through a SIP trunk may become stuck in a busy state and stop answering calls. When this condition occurs, the Port Status display in the web-based Status Monitor page shows that the Unity ports have been busy for long periods of time or shows the following error message if the condition is allowed to persist:

```
hr=0x80070008 (Not enough storage is available to process this command.\x0D\x0A)
```

Additionally, the following message will appear in the Application Event log viewer once the busy port threshold is reached (which is 240 minutes by default):

```
Source: CiscoUnity_Miu
EventID: 584
Port XX has been busy since XXXXXX. The system threshold is XXX minutes, indicating that
this port is currently unavailable and may be unable to handle further calls.
```

Resetting the ports will not free them for use. To restore the ports, you must restart the Unity server. If the server is not restarted, all ports may eventually become busy and the entire Unity server may stop answering calls.

This condition only occurs on Unity servers integrated with a Unified Communications Manager 6.0(1)/6.1(1a) server through a SIP trunk. To avoid this condition, integrate the Unity server with Unified Communications Manager using SCCP voice ports instead of a SIP trunk.



Note Using SIP or SCCP between Unity and Unified Communications Server is completely independent of the protocol (SIP or SCCP) running on phones or gateways in the network.

Cisco Unified Operations Manager Defects

During Cisco Unified Communications Release 6.1(1) testing, the following defects were identified in Cisco Unified Operations Manager Release 2.0(2):

- [CSCsk36823](#): Cisco Unified Operations Manager should support RouteListFailed and RouteGroupFailed events sent from Cisco Unified Communications Manager
- [CSCsl61793](#): Cisco Unified Operations Manager unable to poll registered gateways
- [CSCsl78085](#): No alert sent for Cisco Unified Communications Manager CPU spikes that occur for less than five minutes

These defects may be fixed in future service pack releases of Cisco Unified Operations Manager. For more information on each defect and to determine if a fix is contained in a subsequent release, click on the defect ID in the list above to view the defect's details and status in the Bug Toolkit (registered customers only).

Cisco 2801 Router Crashes Due to Insufficient Memory (CSCsm27446)

Cisco 2801 Router crashes while loading **c2801-adventerprisek9-mz** image of Cisco IOS 12.4(15)T, if the default DRAM size is set to 128 MB. This issue is resolved if the DRAM size is set to a higher value, for example, 192 MB or more as the minimum DRAM to run c2801-adventerprisek9-mz in Cisco IOS Release 12.4T is 192 MB.

ASA Firewall Performance (CSCsg26064)

During a sudden or prolonged burst of certain traffic, a Cisco ASA 5500 Series Adaptive Security Appliance may log error messages indicating no interface buffers available and exhibit lower performance, despite reporting CPU utilization of only 90%. Because the CPU utilization is an average calculation, it does not reflect the heavy load burst that caused the condition.

Bidirectional NAT on FWSM Not Supported for VoIP Calls (CSCsh83414)

On a Cisco Catalyst 6500 Series Switch Firewall Services Module (FWSM), you can configure the **inspect ctiqbe** command to enable CTIQBE protocol inspection, which supports Network Address Translation (NAT) and Port Address Translation (PAT). However, Firewall Services Modules running Release 3.1(5) do not support bidirectional NAT for VoIP calls.

Configuring and Registering SCCP Unified IP Phones Affects Virtual Memory (CSCsh87826)

Configuring and registering non-secure SCCP Unified IP Phones increases the size of the virtual memory of a Unified Communications Manager subsequent node, which is not part of the phone device pool where the phones are configured and registered.

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 6.1(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 6.1(1)

Identifier	Headline
Severity 1-3 caveats	
CSCsi05452	CTI OS agent desktop of outbound agent displays the wrong dialing mode
CSCsi13566	Rescheduling a recurring Unified MeetingPlace Express meeting with weekly pattern changes the pattern
CSCsi26455	Unified MeetingPlace Express meeting participant name displays as guest in the roster
CSCsk25778	CPU Utilization by 'Voice Conferenci' process is very high when "Invalid socket" error messages occur
CSCsk45274	MCS Operating System upgrade causes the Task Scheduler service to become disabled
CSCsl05637	Timeout occurs while creating 50 CTI ports
CSCsl16440	System overview report failure causes active partition filling with large number of files
CSCsl20970	Unexpected reboot occurs on 7825-H2 Unified MeetingPlace Express server. For more details, see the Important Notes, page 21
Severity 4-6 caveats	
CSCeb41568	BA Desktop shows PRED. when PRED or PROGR; display issue only
CSCsi60925	Issuing a show debug command shows that syslog debug messages are enabled by default
CSCsl70581	McAfee port exception list should not be configured with a space character

Open Caveats

This section lists known caveats, grouped by severity, related to the testing of IP telephony components in Cisco Unified Communications Release 6.1(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 in Cisco Unified Communications Release 6.1(1)

Identifier	Headline
Severity 1-3 Caveats	
CSCsb27177	Annotations and chat frozen temporarily
CSCse58807	CPU is not protected by current ARP throttling code
CSCse95242	Unified Videoconferencing Multipoint Control Unit (MCU) with four Enhanced Media Processor (EMP) modules cannot create a service prefix that shows the maximum 96 ports available
CSCsf07135	Adaptive Security Device Manager (ASDM) connection may cause packet loss
CSCsf97250	Quality of video RTP feed deteriorates with RTSP inspection by Firewall Services Module (FWSM)
CSCsg13979	Inside ACL and Same-Security settings on Adaptive Security Appliance (ASA) allows SIP/SCCP signaling but no audio
CSCsg33442	Drives not detected correctly on MCS 7845-H1 platform
CSCsh06553	Extension Mobility auto-logout occurs after Extension Mobility login to another phone fails many times

Table 5 *Open Caveats in Cisco Unified Communications Release 6.1(1) (continued)*

Identifier	Headline
CSCsi40221	Unified Operations Manager generates false BackupActivated alerts for gateways
CSCsi56067	Adaptive Security Appliance (ASA) Unicorn Admin Thread process consumes CPU when new Adaptive Security Device Manager (ASDM) connection launched
CSCsi57171	Adaptive Security Appliance (ASA) Dispatch Unit process consumes CPU when new Adaptive Security Device Manager (ASDM) connection launched
CSCsi70718	Cisco IP Communicator SCCP client not registered in SRST mode
CSCsj27101	Unified Communications Manager Ethernet interface (eth0) stops functioning and logs NETDEV WATCHDOG error
CSCsk10870	CPU utilization by SSH process is very high while transferring IOS image to a device
CSCsk24266	Unified IP Phone tracked by Cisco Emergency Responder displays as unlocated if manual ERL is assigned
CSCsk37734	Uploading duplicate contact in a outbound campaign fails; however, the import tool displays upload successful message
CSCsk39272	RisDC core dump after server reboot or Unified Communications Manager Release 5.1(3.1000-2) upgrade
CSCsk46742	Unified Communications Manager: Critical services goes down when a single hard disk drive fails
CSCsk60509	Unified MeetingPlace web interface shows previously dialed users on participant list for continuous meetings
CSCsk62192	Cisco Unified MobilityAdvantage: CUMA can not set up CTI connection as LDAP authentication fails
CSCsk62515	Unified Communications Manager: Does not raise a failure alert when RTMT hardware fails during boot up
CSCsk70640	IP Phones tracked by remote Cisco Emergency Responder (CER) server group are displayed as unlocated phones, while the effective ERL is shown as Default in the unlocated phone page
CSCsk71428	Cisco Emergency Responder mail alert configuration “Suppress IP Communicator location change reporting” works only for IP Communicator (CIPC) and has no impact on Unified Personal Communicator (CUPC).
CSCsk85143	SIP dial-out from Unified MeetingPlace Express is disconnected after Unified Communications Manager subsequent node failure
CSCsl17335	Cisco Unified Mobility Advantage (CUMA) documentation: Documentation unclear about which type of users can establish a CTI link
CSCsl17593	SRND: Update documentation to explain the G.722 incompatibility with Unified Communication Manager software conference bridge.
CSCsl34659	Unified Communications Manager: Require manual intervention for database replication after performing system recovery
CSCsl52812	Unity Connection intermittent failsafe while retrieving messages
CSCsl55131	Unified Communications Manager: After upgrade to Cisco Unified Communication Manager 6.1(1), RTMT reports DBReplicationFail alert temporarily.
CSCsl56249	Unified Communications Manager: During backup of TFTP directory using (Disaster Recovery System), the CPU usage increases momentarily above 90%, when the TFTP directory is above 1GB in size.
CSCsm27446	Cisco 2801-adventerprisek9-mz image requires default DRAM size to be 256MB or above.
Severity 4-6 Caveats Old bugs from previous release	
CSCdv21481	Unified CallManager TFTP issues in large scale Cisco Unified IP Phones 7900 Series deployments
CSCea82559	Unified CallManager in call throttling mode still accepts incoming calls

Table 5 *Open Caveats in Cisco Unified Communications Release 6.1(1) (continued)*

Identifier	Headline
CSCsb92419	Cisco Unified CallManager does not support static codec G.726r32 on a SIP trunk
CSCsb96065	BAT.xlt Device and Line fields should match the Cisco Unified CallManager phone fields
CSCsb96526	Job Configuration Page does not automatically update
CSCsc30731	Multicast Music-On-Hold not supported by SIP gateway
CSCsc97966	Unified MeetingPlace Express will not register to a specific zone in gatekeeper
CSCsc99954	Cisco Emergency Responder does not display phone protocol information under Phone Type
CSCsd27125	Support SIP video pass through with audio transcoder
CSCsd33512	No email notification when disconnecting standby Cisco Emergency Responder from network
CSCsd35417	Stopping meeting room music when using Cisco Unified MeetingPlace Express with SIP Integration to Cisco Unified CallManager
CSCsd43480	No hold tone returned to SIP phone across QSIG inter-cluster trunk when call is put on hold
CSCsd56104	Resetting CFwdALL on Cisco Unified IP Phones does not produce correct tone
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
CSCse24878	Unified Communication Manager Express does not send video stream when calling Open H323 MCU
CSCsf04535	Unified Communications Manager Recovery CD should have hardware diagnostic option
CSCsg51364	Several Unified Communications Manager critical alarms need option for being sent to remote syslog server
CSCsh67902	Codec preference not getting used during calls through an IP-to-IP Gateway
CSCsh76093	Disaster Recovery System does not back up or restore its own settings
CSCsh80286	After Unified Communications Manager upgrade, you cannot access the Alert Central window after opening an Real-Time Monitoring Tool (RTMT) saved profile with Alert Central
CSCsi13219	Unified MeetingPlace upgrade duration warning needed before upgrade begins
CSCsi26984	Need a way to set Unified Communications Manager route list and route group thresholds using Unified Operations Manager Service Level View
CSCsi50993	200 OK SIP message without Allow:NOTIFY from Cisco Unity causes out-of-band DTMF negotiation to fail
CSCsi62507	Unified MeetingPlace console screen shifts even though users do not trigger it
CSCsi65435	Peer-to-Peer Image Distribution (PPID) functionality on Unified IP Phone 7961G fails at low bandwidth due to source phone TFTP timeout
CSCsi72484	Unified MeetingPlace audio server upgrade takes excessive amount of time
CSCsj20487	Documentation not available for changing a Unified Communications Manager cluster's or cluster node's IP address
CSCsj29865	How to configure Cisco Fax Relay and Fax Passthrough
CSCsk62385	Secure SCCP Unified IP Phone transfers call to unsecure SIP Unified IP Phone, but SCCP Unified IP Phone shows padlock indicating call is secure
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"

Table 5 Open Caveats in Cisco Unified Communications Release 6.1(1) (continued)

Identifier	Headline
CSCsk70971	NTP server synchronization problems when external NTP server is unavailable
CSCsk74637	Updating CTI ports returns a null pointer exception message
CSCsk76403	Conference notifications from Unified MeetingPlace are not sent to Unified Mobile Communicator
CSCsl48610	Cisco Unity sends port 0 in SIP Device Parameter (SDP) resulting in intermittent call failures

Troubleshooting

For important troubleshooting information, tips, and recommendations related to Cisco Unified Communications System Release 6.1(1) for IP telephony, see the troubleshooting information at: http://www.cisco.com/iam/unified/ipt611/Introduction_to_Troubleshooting.htm.

Documentation Updates

- **Technical Information Sites**—The Unified Communications Technical Information Sites available by typing www.cisco.com/go/unified-techinfo 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 6.1(1) are:
 - Cisco Unified Communications System for IP Telephony Release 6.1(1): <http://www.cisco.com/iam/unified/ipt611/index.htm>
 - Cisco Unified Communications System for Contact Center Release 6.1(1): <http://www.cisco.com/iam/unified/ipcc611/index.htm>
- **System Installation and Upgrade Manual**—The document has been updated with the supported upgrade paths to Cisco Unified Communications Release 6.1(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/univercd/cc/td/doc/systems/unified/uc611/siumipt/suim.pdf>
- **System Test Results for IP Telephony: Cisco Unified Communications Release 6.1(1)**—Test results of the IP telephony system testing are available at: http://www.cisco.com/iam/unified/ipt611/System_Test_Results.htm

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>

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