Release Notes for Cisco Unified SIP Proxy Release 1.1.4

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This document describes the new features, system requirements, and caveats for Cisco Unified SIP Proxy Release 1.1.4. Use this document in conjunction with the documents listed in the "Related Documentation" section on page 6.

Contents

Introduction

Cisco Unified SIP Proxy is designed to help connect and manage SIP networks. The Cisco Unified SIP Proxy module is designed to be an integrated solution in Cisco 2951, 3800 Series, 3900 Series, and 3900E Series Integrated Services Routers (ISRs).

Note For the Cisco 2951, 3900 Series, and 3900E Series, the solution requires the SM-NM-ADPTR adapter.

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The module provides multiple features including SIP trunk aggregation, name resolution, routing, scalability, and high availability.

System Requirements

Hardware Supported

The Cisco Unified SIP Proxy module runs on the NME-522 module. The part number of the Cisco Unified SIP Proxy module is NME-CUSP-522-K9. The module has 2 GB of RAM and 160 GB HDD. This module installs only on the Cisco 2951, 3825, 3845, 3900 Series, and 3900E Series ISRs.

Note For the Cisco 2951, 3900 Series, and 3900E Series ISRs, you also need the SM-NM-ADPTR adaptor.

Software Compatibility

The Cisco Unified SIP Proxy module requires one of the following:

- Cisco IOS Release 12.4(22)T or a later release on the Cisco 3825 and Cisco 3845 ISRs with IOS K9 feature set.
- Cisco IOS Release 15.0(1)M or a later release on the Cisco 2951 and Cisco 3900 Series ISRs with IOS K9 feature set.
- Cisco IOS Release 15.1(1)T or a later release on the Cisco 3900E Series ISRs with IOS K9 feature set.

Determining the Software Version

To determine the software version and the license used, perform the following steps.

Procedure

Step 1 Open a Telnet session.

Step 2 Telnet to the router by entering **telnet ip-address**.

Step 3 Enter the user ID and password of the router.

Step 4 Enter the following command to enter the command environment:

enable

<router password>

service-module service-engine slot/port session

Step 5 Enter the following command to display the Cisco Unified SIP Proxy software version:

show software versions

Step 6 Enter the following command to enter Cisco Unified SIP Proxy execution mode:

cusp

Step 7 Enter the following command to display the Cisco Unified SIP Proxy software license:

show license

For information about IOS open source licensing, see the Notices section in the *About Cisco IOS Release Notes*.

New Features and Enhancements

This section contains new features or enhancements added in this release. For more details, see the *Cisco Unified SIP Proxy Command Reference*.

- New configuration commands have been added to configure the maximum size that a UDP datagram can be on a network.
- New exec commands have been added to show the calls per second data that the CUSP is handling.
- Tracing for specific components (for example, normalization) is now enabled.
- The "TO" header is now an available option for route lookup policies.

Installation Notes

The software is already loaded at the factory, and you can install it using the command:

software install clean url ftp://x.x.x/cusp-k9.nme.x.x.pkg

There are three software files, all of which you should save to the FTP directory. You need to load the .pkg file, the other files are downloaded automatically. See Table 1.

Table 1 Software Files

Name	Size
cusp-k9.nme.x.x.pkg	100 KB
cusp-full-k9.nme.x.x.prt1	87 MB
cusp-installer-k9.nme.x.x.prt1	128 KB

Limitations and Restrictions

Changing Licenses Requires Backing Up Your Configuration

Whenever you change the license for Cisco Unified SIP Proxy Release 1.1.4, the system restores the software to its factory default settings, thereby deleting your system's configuration data.

Therefore, if you need to change the license, you must first back up your configuration. After you change the license, you must restore the configuration. Otherwise, you will lose all of your system's configuration data.

Caution You must back up your system's configuration data before changing the license or you will lose all of your system's configuration data.

Cryptographic Features

This product contains cryptographic features and is subject to United States and local country laws governing import, export, transfer, and use. Delivery of Cisco cryptographic products does not imply third-party authority to import, export, distribute, or use encryption. Importers, exporters, distributors, and users are responsible for compliance with U.S. and local country laws. By using this product you agree to comply with applicable laws and regulations. If you are unable to comply with U.S. and local laws, return this product immediately.

A summary of U.S. laws governing Cisco cryptographic products may be found at: http://www.cisco.com/wwl/export/crypto/tool/stqrg.html.

If you require further assistance, send an email to export@cisco.com.

Voice and Router Coresidency Restrictions

Voice and router functions may co-reside in the same router with Cisco Unified SIP Proxy with two exceptions:

- Cisco Unified SIP Proxy may not co-reside in the same router when Cisco Unified Communications Manager Express (Cisco Unified CME) or Cisco Unified Survivable Remote Site Telephony (Cisco Unified SRST) are configured for SCCP phones.
- Cisco Unified SIP Proxy may not co-reside in the same router with time division multiplex (TDM) gateways or configuration of H.323 dial peers (including Cisco Unified Border Element).

  Cisco Unified CME, Cisco Unified SRST, and Cisco Unified Border Element configured for SIP may co-reside in the same router.

Caveats

- Open Caveats, page 5
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These caveats describe unexpected behavior in Cisco Unified SIP Proxy software releases. Severity 1 caveats are the most serious caveats. Severity 2 caveats are less serious. Severity 3 caveats are moderate caveats, and only selected severity 3 caveats are included in the caveats document.

Note If you have an account on Cisco.com, you can use Bug Toolkit to find caveats of any severity. The Bug Toolkit is at: http://www.cisco.com/cgi-bin/Support/Bugtool/launch_bugtool.pl

Open Caveats

This section contains open caveats for Cisco Unified SIP Proxy Release 1.1.4.

CDETS	Description
CSCsx18654	**Symptom** When multiple IPs are configured on Cisco Unified SIP Proxy, SIP messages source from wrong source IP. **Conditions** Cisco Unified SIP Proxy is configured with multiple IP interfaces.
CSCta74132	**Symptom** SIP messages in the Cisco Unified SIP Proxy SIP message log may appear out of order. It may appear that Cisco Unified SIP Proxy has sent a message and then received a message, where the reverse is what has actually occurred. **Conditions** Typically, the messages that are out of order are responses to other messages, where the response appears before the initial message. This is because of the asynchronous method of writing to the logs. **Workaround** The timestamps are accurate, and can be checked to confirm the actual order of events.
CSCtb04626	**Symptom** Certificate Subject Alternate Name (SubjectAltName) may not be correct on imported certificates. **Conditions** Import a certificate using the cut-and-paste method, that is, use the following command: `module(config)> crypto key import trustcacert label <trustpoint-name> terminal)` **Workaround** Import the certificate using the “url” option instead of the “terminal” option.
CSCtb12771	**Symptom** There is no command-line interface (CLI) command available to disable FTP or PFS services.
CSCtc17438	**Symptom** When attempting to boot after a clean installation, the message “corrupted bzImage detected” appears. The boot then halts. **Conditions** Unknown. This occurs occasionally after issuing a **software install clean** command. **Workaround** Boot the helper image, and reinstall. The service module will now boot.

Resolved Caveats

This section contains resolved caveats for Cisco Unified SIP Proxy Release 1.1.4.

CDETS	Description
CSCsw43287	When using the **show configuration active | page** command, if you issue a **q** to exit the configuration from displaying any more pages, you are removed from the Cisco Unified SIP Proxy mode and returned to the module level exec mode of the CLI.
CSCsw97690	There are two symptoms of this bug. The first is that pinging of all elements (TCP/TLS/UDP) will be delayed. Therefore, their status may not be accurately reflected by the **show server-group status** command. The second is that committing a configuration can cause the CLI to hang for several minutes.
CSCsx10996	Cisco Unified SIP Proxy DNS SRV-based call routing does not work after rebooting Cisco Unified SIP Proxy.
CSCsx38761	When trying to make a call to the SR- defined device, Cisco Unified SIP Proxy cannot establish a connection and issues a 502 message to the calling device.
CSCsx48124	The maddr parameter in the request-uri is not handled properly.
CSCsx62364	Invites from the Avaya PBX are rejected with a 404 “no matching algorithm found” message.
CSCsx65522	Normalization on user portion of request-uri fails, NullPointerException is thrown during normalization operation. (This can be seen by looking at the trace.log file.)

Related Documentation

For Cisco Unified SIP Proxy documentation and configuration white papers, see http://cisco.com/en/US/products/ps10140/tsd_products_support_model_home.html

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What’s New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html

Subscribe to *What’s New in Cisco Product Documentation* as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS version 2.0.

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