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Revision History

Date	Revision
June 07, 2019	Added link to Caveats in the Readme file.
February 15, 2018	Initial publish
March 26, 2018	Removed HTTPS Proxy feature while support is being testing and verified. Feature will be reinserted after testing is completed and support is verified.
March 28, 2018	Updated the Prerequisites for the IM and Presence Centralized Deployment feature.
April 09, 2018	Added Important Notes section and Documentation Updates section. Added SIP Profile Settings topic around online help.
April 08, 2019	Added migration chapter for Centralized Deployment. Also updated OVA requirements for IM+P.
May 28, 2019	Updated Centralized Deployment migration requirements.

Introduction

These release describe new features, restrictions, and caveats for Cisco Unified Communications Manager (Unified Communications Manager) and Cisco Unified Communications Manager IM & Presence Service (IM and Presence Service). The release notes are updated for every maintenance release but not for patches or hot fixes.

Unified Communications Manager, the call-processing component of the Cisco Unified Communications System, extends enterprise telephony features and capabilities to IP phones, media processing devices, VoIP gateways, mobile devices, and multimedia applications.

IM and Presence Service collects information about user availability, such as whether users are using communications devices (for example, a phone) at a particular time. IM and Presence Service can also collect information about individual user communication capabilities, such as whether web collaboration or video conferencing is enabled. Applications such as Cisco Jabber and Unified Communications Manager use this information to improve productivity among employees. It helps employees connect with colleagues more efficiently and determine the most effective way to engage in collaborative communication.



Note

In the past, export licenses, government regulations, and import restrictions have limited our supply of Unified Communications Manager and IM and Presence Service worldwide. We have obtained an unrestricted U.S. export classification to address this issue; IM and Presence Service supports an export unrestricted (XU) version only. The unrestricted version differs from previous releases of IM and Presence Service in that it does not contain strong encryption capabilities.

After you install an unrestricted release, you can never upgrade to a restricted version. You are not allowed to perform a fresh installation of a restricted version on a system that contains an unrestricted version.

Supported Versions

The following versions are supported for this release:

- Cisco Unified Communications Manager 11.5.1.14900-11
- IM and Presence Service 11.5.1.14900-32

Version Mismatches

This release offers two main deployment options for this release of Cisco Unified Communications Manager and the IM and Presence Service:

- Standard Deployments—Both Cisco Unified Communications Manager and the IM and Presence Service must be running the above 11.5(1)SU4 version for your deployment to be supported. A version mismatch is not supported.
- Centralized Deployments of IM and Presence Service—If you have the Centralized Deployment option configured on the IM and Presence Service, then within the IM and Presence central cluster, both the Cisco Unified Communications Manager instance and the IM and Presence Service must be running a 11.5(1)SU4 version. However, the telephony cluster that the central cluster connects to does not have to be running a 11.5(1)SU4 version.

Documentation for this Release

Aside from these Release Notes, the following documents were updated specifically for Release 11.5(1)SU4 of Cisco Unified Communications Manager and the IM and Presence Service:

Documents	Description
ReadMe Files for 11.5(1)SU4: <ul style="list-style-type: none"> • ReadMe for Cisco Unified Communications Manager Release 11.5(1)SU4 • ReadMe for Cisco Unified IM and Presence, Release 11.5(1)SU4 	Refer to the Readme for information on installing and deploying the release, as well as bug fixes and updates that are included in your release
Deploying Push Notifications for Cisco Jabber on iPhone and iPad with Cisco Unified Communications Manager 11.5(1)SU4	This solution document is updated for 11.5(1)SU4. The document describes the Push Notifications solution for Cisco Jabber on iPhone and iPad. As of this release, this solution now supports push notifications for voice and video calls as well as IM and Presence.

Existing 11.5(x) Documentation

Existing documents for Release 11.5(x) can be used for 11.5(1)SU4. Refer to the *Documentation Guide for Cisco Unified Communications Manager and IM and Presence Service, Release 11.5(1)* at the below URL for a full listing of the documentation that is available. Where an 11.5(1)SU version exists where the SU is equivalent to, or lower than, SU4, you should use that document version. Otherwise, you can use the 11.5(1) version.

http://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cucm/docguide/11_5_1/cucm_b_documentation-guide-cucm-imp-1151.html

CLI Commands

For a complete list of CLI commands that are available with this release, refer to the *Command Line Interface Reference Guide for Cisco Unified Communications Solutions, Release 11.5(1)SU3* at <https://www.cisco.com/c/en/us/support/unified-communications/unified-communications-manager-callmanager/products-maintenance-guides-list.html>.

Cisco Prime License Manager

Cisco Unified Communications Manager Release 11.5(1)SU3, SU4, SU5, and SU6 are compatible with Cisco Prime License Manager Release 11.5(1)SU2 or higher. If you are deploying a standalone Cisco Prime License Manager, make sure that your Prime License Manager version is a minimum release of 11.5(1)SU2. Otherwise, Cisco Unified Communications Manager cannot synchronize its license usage with the standalone Prime License Manager.

If you are upgrading to one of these Cisco Unified Communications Manager releases and you are running a standalone version of Prime License Manager, upgrade your Prime License Manager instance to 11.5(1)SU2 or higher before you upgrade Cisco Unified Communications Manager.



Note With co-resident Prime License Manager deployments, Cisco Unified Communications Manager and Cisco Prime License Manager are compatible automatically.

Encryption License Requirement for Mixed-Mode

This release of Cisco Unified Communications Manager introduces support for encryption licenses. If you want to enable mixed-mode in Cisco Unified Communications Manager, you must have an encryption license installed in Cisco Prime License Manager and applied against Cisco Unified Communications Manager.

Fresh Installations

Upon installing your cluster, you will be unable to move the cluster into mixed-mode unless you have an encryption license applied against Cisco Unified Communications Manager, and a sync has been completed. If you do not have an encryption license, and you attempt to move the cluster into mixed-mode, an empty CTL file will be generated and the cluster will remain in non-secure mode.

Upgrades

If you upgrade from an earlier release with mixed-mode enabled, but you do not have an encryption license installed, a warning message on the encryption license requirement displays on the user interface immediately following the upgrade. You will also receive the **CiscoSystemEncryptionNotAllowed** alert. Your system will continue to operate in mixed-mode, but you will be unable to update the CTL file and will continue to receive this alert until you either install an encryption license or move the cluster security setting back to non-secure mode. Cisco recommends that you install the encryption license at the earliest to ensure that you can continue to run mixed mode without any disruption.

If you were not running mixed-mode prior to the upgrade, you will be unable to move the cluster into mixed-mode unless you have an encryption license applied against Cisco Unified Communications Manager, and a sync has been completed.

User Interface Updates

In the Cisco Unified CM Administration interface's **License Usage Report** window, a new field has been added to the **Cisco Prime License Manager** section:

- **Encryption License installed**—This field contains a **True** or **False** value that indicates whether an encryption license is installed.

Ordering and Installing License Files

The following table describes how to update your system with an encryption license.

Table 1: Updating your System with an Encryption License

Step	Task	Description
Step 1	Obtain an ENC PAK license file.	<p>Use the CUCM-PLM-ENC-K9= part number to order encryption licenses via the Product Upgrade Tool at https://tools.cisco.com/gct/Upgrade/jsp/index.jsp.</p> <p>For further information on ordering licenses, refer to the <i>Cisco Unified Communications Solutions Ordering Guide</i> for your release at http://www.cisco.com/c/en/us/partners/tools/collaboration-ordering-guides.html.</p> <p>Note If you are using multiple instances of Cisco Prime License Manager in your deployment, you must order a separate encryption license for each Prime License Manager instance.</p>
Step 2	Install the encryption license file in Cisco Prime License Manager.	<p>Follow the "Upgrade Existing Licenses" procedure in the <i>Cisco Prime License Manager User Guide, Release 11.5(1)SU2</i> at http://www.cisco.com/c/en/us/support/cloud-systems-management/prime-license-manager/products-user-guide-list.html.</p>
Step 3	Synchronize licenses.	<p>In Cisco Prime License Manager, select the Product Instances tab and click Synchronize licenses.</p> <p>For additional detail, see the <i>Cisco Prime License Manager User Guide, Release 11.5(1)SU2</i>.</p>

Caveats

For a list of open and resolved caveats for this release, refer to the following files:

- [Readme File for Cisco Unified Communications Manager, Release 11.5\(1\)SU4](#)
- [Readme File for Cisco Unified CM IM and Presence Service, Release 11.5\(1\)SU4](#)

