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About Release Notes

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

Supported Versions

The following software versions apply to Release 12.5(1)SU4:

- Unified Communications Manager: 12.5.1.14900-63
- IM and Presence Service: 12.5.1.14900-4

Version Compatibility Between Unified CM and the IM and Presence Service

Version compatibility depends on the IM and Presence Service deployment type. The following table outlines the options and whether a release mismatch is supported between the telephony deployment and the IM and Presence Service deployment. A release mismatch, if it is supported, would let you deploy your Unified Communications Manager telephony deployment and your IM and Presence Service deployment using different releases.



Note Any respin or ES that is produced between [Cisco.com](https://www.cisco.com) releases is considered part of the previous release. For example, a Unified Communications Manager ES with a build number of 12.5.1.18[0-2]xx would be considered part of the 12.5(1)SU7 (12.5.1.17900-x) release.

For Release 12.5(1)SU7a, a Unified Communications Manager ES with a build number of 12.5.1.181xx would be considered part of the 12.5(1)SU7a (12.5.1.18100-x) release.

Table 1: Version Compatibility between Unified Communications Manager and the IM and Presence Service

Deployment Type	Release Mismatch	Description
Standard Deployment of IM and Presence Service	Not supported	Unified Communications Manager and the IM and Presence Service are in the same cluster and must run the same release—a release mismatch is not supported.
Centralized Deployment of IM and Presence Service	Supported	<p>The IM and Presence Service deployment and the telephony deployment are in different clusters and can run different releases—a release mismatch is supported.</p> <p>Note The IM and Presence Service central cluster also includes a standalone Unified CM publisher node for database and user provisioning. This non-telephony node must run the same release as the IM and Presence Service.</p> <p>Note Centralized Deployment is supported for the IM and Presence Service from Release 11.5(1)SU4 onward.</p>

Documentation for this Release

For a complete list of the documentation that is available for this release, see the [Documentation Guide for Cisco Unified Communications Manager and the IM and Presence Service, Release 12.5\(1\)](#).

Documentation Restructure 12.5(1)SU1 and Later

Following is a summary of the documentation restructure effort that was a part of 12.5(1)SU1. For this release and later releases, many Unified Communications Manager documents were restructured in order to improve usability and to streamline the documentation set. As part of this effort, one new guide is added, three existing guides are reworked, and five existing guides are deprecated. This overall effort reduces the size of the Unified Communications Manager documentation suite by four guides.

Table 2: Restructured Documents for 12.5(1)SU1 and Later

Restructured Documents	Description
System Configuration Guide	As of 12.5(1)SU1, the <i>System Configuration Guide</i> is shortened and streamlined to create a complete post-install system setup. Basic security and SSO configurations are added to fill out the basic setup, while advanced call processing features are moved to the <i>Feature Configuration Guide</i> . This new guide forms the Unified Communications Manager prerequisite for deploying an advanced Cisco call processing solution.
Feature Configuration Guide	<p>This guide is expanded as the following advanced call processing topics are moved to this guide from the <i>System Configuration Guide</i>:</p> <ul style="list-style-type: none"> • Call Control Discovery • External Call Control • Call Queuing • Call Throttling • Logical Partitioning • Location Awareness • Flexible DSCP Marking and Video Promotion • SIP Normalization and Transparency • SDP Transparency Profiles • Mobile and Remote Access <p>In addition, the following new sections are added for 12.5(1)SU1 and later:</p> <ul style="list-style-type: none"> • Headsets Managements • Video Endpoints Management
Administration Guide	<p>As of 12.5(1)SU1, the <i>Administration Guide for Cisco Unified Communications Manager</i> is expanded to include consolidated administration information from the <i>Changing the IP Address, Hostname and Domain</i> document, the <i>Cisco Unified Reporting Administration Guide</i> document and many sections from the existing <i>Cisco Unified Serviceability Administration Guide</i> documentation, all of which are deprecated for 12.5(1)SU1 and later.</p> <p>In addition to the above updates, an overview of troubleshooting information has been inserted into the <i>Administration Guide</i>.</p>
Call Reporting and Billing Administration Guide	This new document simplifies call reporting and billing administration documentation, consolidating existing material from the documents <i>Cisco Unified CDR Analysis and Reporting Administration Guide</i> and the <i>Call Detail Records Administration Guide</i> , both of which are now deprecated. It also adds CDR Repository and billing server information that was available previously with the Serviceability documentation. The new guide simplifies the overall structure and provides a clearer setup process:

Table 3: Restructured Documents for 12.5(1)SU3 and Later

Restructured Documents	Description
Security Guide	<p>The Security Guide is restructured for Release 12.5(1)SU3. The new guide is streamlined and enhanced to make it easy to configure and deploy security for Unified Communications Manager and registered endpoints. The new guide is split into three sections:</p> <ul style="list-style-type: none"> • Basic Security—Contains information on how to configure basic security on Unified Communications Manager and on registered endpoints. • User Security—Contains information on how to manage identity, authentication, and user access. • Advanced Security Features—Contains information on how to deploy advanced security features such as FIPS Mode, Enhanced Security Mode, and V.150. <p>The book also includes enhanced information with new topics on subjects like Security Hardening and Identity Management that help you make security decisions for your deployment.</p>
Push Notifications Deployment for Cisco Jabber on iPhone and iPad	<p>This document describes how to configure Push Notifications for Cisco Jabber on iPhone and iPad with Cisco Unified Communications Manager and the IM and Presence Service. The guide is updated to include Push Notifications support for Cisco Jabber and Cisco Webex clients that run on both Android devices and iOS devices.</p>

Installation Procedures

For information on how to install your system, see the [Installation Guide for Cisco Unified Communications Manager and the IM and Presence Service, Release 12.5\(1\)](#).

Upgrade Procedures

For information on how to upgrade to this release, see the [Upgrade and Migration Guide for Cisco Unified Communications Manager and IM and Presence Service, Release 12.5\(1\)](#).

Meltdown Vulnerabilities During Upgrade

This release of Unified Communications Manager, Cisco IM and Presence Service, Cisco Emergency Responder, and Cisco Prime Collaboration Deployment contain software patches to address the Meltdown and Spectre microprocessor vulnerabilities.

Before you upgrade to Release 12.5(1) or above, we recommend that you work with your channel partner or account team to use the Cisco Collaboration Sizing Tool to compare your current deployment to an upgraded 12.5(1)SU4 deployment. If required, change VM resources to ensure that your upgraded deployment provides the best performance.