Release Notes for Cisco Prime Collaboration Deployment, Release 10.5(3) and 10.5(3) SU1

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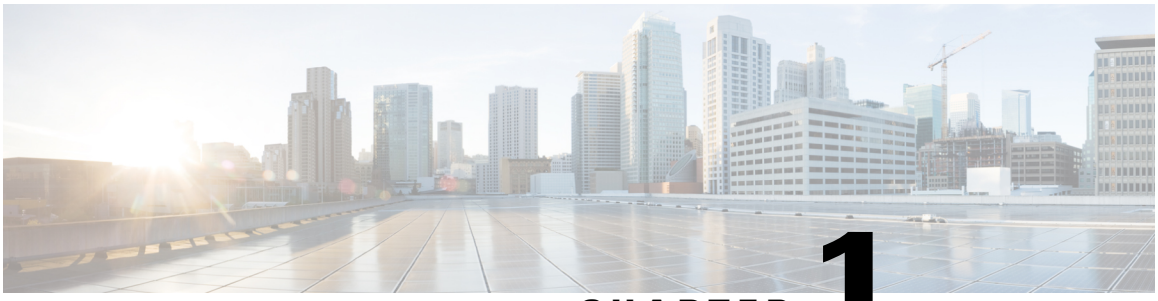

CHAPTER 1

Introduction

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About Cisco Prime Collaboration Deployment

These release notes describe new features, requirements, restrictions, and caveats for Cisco Prime Collaboration Deployment. These release notes are updated for every maintenance release.

Cisco Prime Collaboration Deployment is an application designed to assist in the management of Unified Communications applications. It allows the user to perform tasks such as migration of older software versions of clusters to new virtual machines, fresh installs, and upgrades on existing clusters.

Cisco Prime Collaboration Deployment has four primary, high-level functions:

- Migrate an existing cluster of Unified Communications servers to a new 10.5(x) cluster (this may be MCS to virtual or virtual to virtual)
- Perform operations on existing clusters (8.6.1 or higher). Examples of these operations include:
  - Upgrade the cluster to a new version of software
  - Switch version
  - Restart the cluster
- Changing IP addresses or hostnames in the cluster on existing Release 10.x clusters
- Fresh install a new Release 10.x Unified Communications cluster

Note Cisco Prime Collaboration Deployment does not support internationalization or languages other than English.

Releases for This Document

These Release Notes apply to both Cisco Prime Collaboration Deployment Release 10.5.3 and Cisco Prime Collaboration Deployment Release 10.5.3 service upgrade (SU1).

Release 10.5.3 SU1 Updates

Cisco Prime Collaboration Deployment Release 10.5.3 SU1 provides fixes to the following defects:

- CSCuv33259—Crashed status while discovering large clusters with NAT
- CSCus76770—Fix usage of SSL in JAVA to address poodle vulnerability

Note Upgrade to Cisco Prime Collaboration Deployment Release 10.5.3 SU1 if you are running Cisco Prime Collaboration Deployment Release 10.5.3 and require fixes for the above CDETS. Apart from these fixes, all other information in the Release Notes applies to the SU1 release as well.

Related Documentation

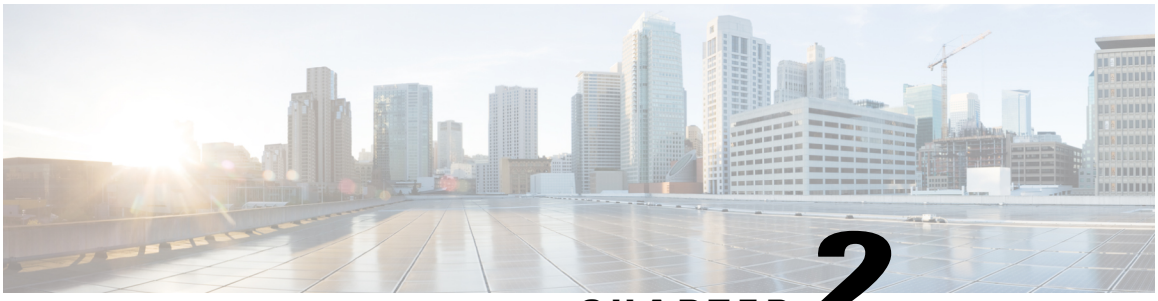
You can view documentation that is associated with supported applications.

Application	Documentation Link
Cisco Unified Communications Manager	http://www.cisco.com/c/en/us/support/unified-communications/unified-communications-manager-callmanager/tsd-products-support-series-home.html
Cisco Unified Contact Center Express	http://www.cisco.com/c/en/us/support/customer-collaboration/unified-contact-center-express/tsd-products-support-series-home.html
Cisco Unity Connection	http://www.cisco.com/c/en/us/support/unified-communications/unity-connection/tsd-products-support-series-home.html

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, using the Cisco Bug Search Tool (BST), submitting a service request, and gathering additional information, see *What's New in Cisco Product Documentation*, at: http://www.cisco.com/c/en/us/td/docs/general/whatsnew/whatsnew.html.

Subscribe to *What's New in Cisco Product Documentation*, which lists all new and revised Cisco technical documentation as an RSS feed and delivers content directly to your desktop using a reader application. The RSS feeds are a free service.



CHAPTER 2

New and Changed Information

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Edit and Expand Cluster Support

If you deployed a Cisco Unified Communications Manager cluster, the Edit and Expand Cluster support feature in Cisco Prime Collaboration Deployment eliminates migration issues and barriers. You can perform the following actions:

- Add IM and Presence Service to an existing Unified Communications Manager cluster.
- Add new nodes to the existing cluster—for example, add subscriber nodes.
- Select nodes from a cluster to perform installation.

This feature works with only a previously installed 10.x or later system and uses the Fresh Install Task to add the nodes.

Note After you add and install new nodes to an existing cluster, if you later perform the Discovery task, the entire cluster with the new nodes is discovered.

Touchless Installation

This feature makes the installation process seamless and promotes simplified cluster installation from Cisco Prime Collaboration Deployment. The touchless installation proceeds without the requirement to provide any subscriber details in the installation task. Subscribers are not dependent on the installation of the publisher. This feature has the following benefits:

- No manual intervention and scheduling during the deployment of a new cluster.
- No manual entry of each subscriber and simplifies the addition of new subscribers to an existing cluster.

- No requirement to wait until the publisher node is active.

If you are installing Cisco Unified Communications Manager between Releases 10.0(1) and 10.5(1), the task is paused after publisher node is installed completely. You must enter details of subscriber nodes into the publisher node before you manually start the next step. Cisco Unified Communications Manager Release 10.5(2) onward does not pause during a fresh installation; the install task continues automatically.

Upgrade and Migration

For information about supported releases for Cisco Prime Collaboration Deployment, see Supported Releases.

For information about direct upgrade paths, see the *Cisco Unified Communications Manager Software Compatibility Matrix* at the following URL: http://www.cisco.com/c/en/us/support/unified-communications/unified-communications-manager-callmanager/products-device-support-tables-list.html.

For upgrade and migration information that is not covered in the above references (for example, upgrading from Release 4.x), see the Drive to Collaboration site at the following URL: http://www.cisco.com/web/solutions/vnlanding/comm_manager_upgrade.html.

Supported Releases

Table 1: Supported Releases for Each Task in Cisco Prime Collaboration Deployment

Product and Functions	Cluster Discovery	Migration to 10.x Cluster	Upgrade Task (Upgrade Application Server or Install COP Files)	Restart Task	Switch Version Task	Fresh Install a new or Edit/Expand an existing 10.x Cluster	Readdress Task (Change Hostname or IP Addresses for One or More Nodes in a Cluster)
Cisco Unified Communications Manager	6.1(5), 7.1(3), 7.1(5), 8.0(1), 8.0(2), 8.0(3), 8.5(1), 8.6(1), 8.6(2), 9.0.(1), 9.1(1), 9.1(2), 10.0(1), 10.5(1), 10.5(2)	6.1(5), 7.1(3), 7.1(5), 8.0(1), 8.0(2), 8.0(3), 8.5(1), 8.6(1), 8.6(2), 9.0.(1), 9.1(1), 9.1(2), 10.0(1), 10.5(1), 10.5(2)	8.6(1), 8.6(2), 9.0.(1), 9.1(1), 9.1(2), 10.0(1), 10.5(1), 10.5(2)	8.6(1), 8.6(2), 9.0.(1), 9.1(1), 9.1(2), 10.0(1), 10.5(1), 10.5(2)	8.6(1), 8.6(2), 9.0.(1), 9.1(1), 9.1(2), 10.0(x), 10.5(1), 10.5(2)	10.x, 10.5(1), 10.5(2)	10.x

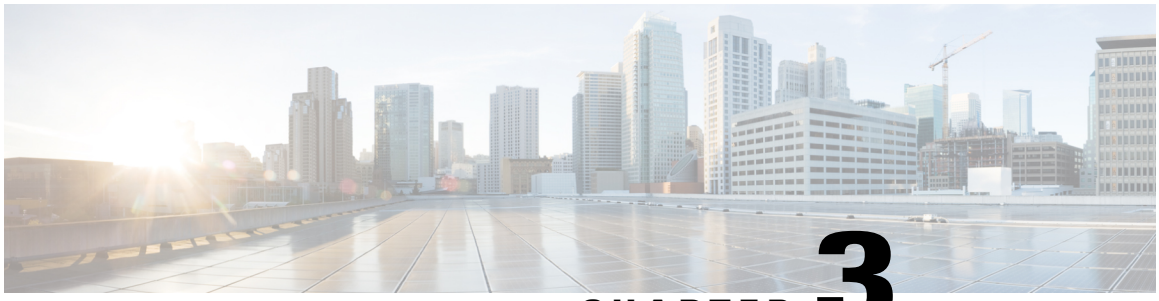
Product and Functions	Cluster Discovery	Migration to 10.x Cluster	Upgrade Task (Upgrade Application Server or Install COP Files)	Restart Task	Switch Version Task	Fresh Install a new or Edit/Expand an existing 10.x Cluster	Readdress Task (Change Hostname or IP Addresses for One or More Nodes in a Cluster)
Cisco Unified Presence	8.5, 8.6	8.5(4), 8.6(3), 8.6(4), 8.6(5)	8.6(3), 8.6(4), 8.6(5)	8.6(3), 8.6(4), 8.6(5)	8.6(3), 8.6(4), 8.6(5)	—	—
IM and Presence Service	9.0(1), 9.1(1), 10.x	9.0(1), 9.1(1), 10.x	9.0(1), 9.1(1), 10.x	9.0(1), 9.1(1), 10.x	9.0(1), 9.1(1), 10.x	10.x, 10.5(1), 10.5(2)	Not Supported
Cisco Unified Contact Center Express	8.5.1, 9.0, 9.0.2, and 10.x	Not Supported	9.0(2), 10.x	9.0(2), 10.x	9.0(2), 10.x	10.5(x)	10.5(x)
Cisco Unity Connection	8.6.1, 8.6.2, 9.x and 10.x	Not Supported	From 8.6(x) to 8.6(x) From 8.6(x) to 9.x From 9.x to 9.x From 10.0(1) to 10.x	8.6(1), 8.6(2), 9.x, 10.x	8.6(1), 8.6(2), 9.x, 10.x	10.5(x)	10.5(x)

Note The supported releases table does not include the Engineering Special (ES)/ Service Update (SU) versions. To upgrade or migrate to ES/SU versions, see the release notes of the corresponding product, such as IM and Presence, Cisco Unified Communications Manager, and Unity.

The following table lists the supported paths of restricted and unrestricted versions in Cisco Prime Collaboration Deployment.

Table 2: Supported Paths

From	To	Task Types Supported
Export Restricted (K9)	Export Restricted (K9)	Supported for Upgrade paths Supported for Migration paths
Export Restricted (K9)	Export Unrestricted (XU)	Not supported for Upgrade paths Supported for Migration paths
Export Unrestricted (XU)	Export Restricted (K9)	Not supported for Upgrade paths Not supported for Migration paths
Export Unrestricted (XU)	Export Unrestricted (XU)	Supported for Upgrade paths Supported for Migration paths



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Important Notes

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Cisco Unified Communications Manager Upgrades to Release 10.5(2) using Prime Collaboration Deployment

Follow these guidelines if you are using Cisco Prime Collaboration Deployment to upgrade Cisco Unified Communications Manager to release 10.5(2):

- PCD upgrades or non-PCD upgrades from release 10.0(1) or 10.5(1) are supported. Migrations from 10.0(1) or 10.5(1) using Prime Collaboration Deployment are not supported. For definitions of migrations and upgrades, see the latest release of the *Cisco Prime Collaboration Deployment Administration Guide*. For additional details, see CSCur99079.
- Before upgrading to release 10.5(2), you must download and install the COP file ciscocm.version3-keys.cop.sgn on every node in the cluster prior to upgrading. This Cisco Options Package (COP) file has the RSA keys that are required to validate the upgrade.

- If you are upgrading from 6.1(5), 7.x, 8.x, 9.x, or 10.x, you must disable the time synchronization between the VM instance and the ESXi. To disable the time synchronization issue, follow the instructions at the following URL:

  http://kb.vmware.com/selfservice/microsites/search.do?language=en_US&cmd=displayKC&externalId=1189

  An alternative method is to configure the ESXi server and the Cisco Unified Communications Manager publisher node to point to the same NTP server.

  This resolves CSCur94973.

You can download COP files from the following location on cisco.com: **Downloads** > **Products** > **Unified Communications** > **Call Control** > **Unified Communications Manager (CallManager)** > **Cisco Unified Communications Manager Version 10.5**

Conflicting Upgrade Path for Release 6.0(1)

This update resolves CSCup45479.

The document *Migration to Cisco Unified Communications Manager Release 10.5(1) Using Prime Collaboration Deployment* contains conflicting information if you are upgrading from Cisco Unified Communications Manager release 6.0(1). If you are upgrading from that release, you must first upgrade to release 6.1(2). From 6.1(2), you can then upgrade to 6.1(3), then 6.1(5), then 10.5(1) through Cisco Prime Collaboration Deployment.

Deployment

Cisco only supports virtualized deployments of Cisco Prime Collaboration Deployment. Cisco Prime Collaboration Deployment is deployed using an OVA that contains the pre-installed Cisco Prime Collaboration Deployment application. This OVA is obtained with a licensed copy of Cisco Unified Communications Manager Release 10.5(1) software. For information about how to extract and deploy the PCD_VAPP.OVA file, see topics relating to the installation of Cisco Prime Collaboration Deployment in the *Cisco Prime Collaboration Deployment Administration Guide*.

For more information about the deployment of Cisco Prime Collaboration Deployment in a virtualized environment, see:

http://www.cisco.com/go/uc-virtualized

DNS

If you require DNS on a Cisco Prime Collaboration Deployment system, be sure to administer the DNS during Cisco Prime Collaboration Deployment install.

Install Tasks

A Cisco Prime Collaboration install task assumes that all cluster nodes are being installed at the same time. You can not, for example, use a migration task to migrate a Cisco Unified Communications Manager Release

6.1(1) cluster to Release 10.5(1) and then use a separate install task to add IM and Presence Service nodes to the same cluster.

ISO File Permissions for Install and Migration Tasks

Before you perform an install or migration task, copy your ISO files to the fresh_install folder and make sure that those files contain the following permissions: rw-r-r.

Migration Requirements

This information addresses CSCum18394.

For a migration from Release 10.0(1) to Release 10.5(1) to be successful, you must upgrade all source cluster Cisco Unified Communications Manager nodes to 10.0(1)SU1, at a minimum, before using Cisco Prime Collaboration Release 10.5(1) to perform a migration.

New Upgrade is not Allowed While Another Upgrade is Running

This information addresses CSCui69450.

If you start a new upgrade task before the previous upgrade task finishes, you are notified immediately that this scenario is not supported.

Readdress

Readdress Caveats

- Readdress tasks that require gateway and subnet changes may cause the readdress task to fail.

  Cisco Prime Collaboration Deployment can lose the communication with Cisco Unified Communications Manager due to network issues, even after the readdress task is *completed successfully on the Cisco Unified Communications Manager*. Users may need to complete post network change steps outlined in the *Changing the IP Address and Hostname for Cisco Unified Communications Manager Guide* before proceeding to the next step.

- *Cisco Unified Communications Manager IM and Presence Service readdress is not available on Cisco Prime Collaboration Deployment.* The Readdress feature can only be used to change hostnames and IP Addresses for Cisco Unified Communications Manager servers. In a cluster with both Cisco Unified Communications Manager and IM and Presence Service nodes, the readdress feature can be used to change the Cisco Unified Communications Manager server hostname and IP addresses, but not the IM and Presence Service nodes for that cluster.

Upgrades

For information about upgrading Cisco Prime Collaboration Deployment, as well as requirements for hardware and software, see the latest release of the *Cisco Prime Collaboration Deployment Administration Guide* here

http://www.cisco.com/c/en/us/support/unified-communications/unified-communications-manager-callmanager/products-user-guide-list.html.

Cisco Prime Collaboration Deployment supplements but does not replace native application install and upgrade functionality. Cisco Prime Collaboration Deployment does not have 100% feature parity with native install and upgrade functionality. When troubleshooting upgrade or install issues on Cisco Unified Communications Manager or Cisco Unified Communications Manager IM and Presence Service nodes, the upgrade (or install) logs will need to be retrieved from node being upgraded. Use normal upgrade and install troubleshooting actions.

Upgrade Caveats

Not all versions of supported applications can be upgraded to Release 10.x using Cisco Prime Collaboration Deployment. See Supported Releases for more information.

Virtualization Software License Feature Level Compatibility

Cisco Prime Collaboration Deployment is not compatible with all license feature levels of VMware vSphere ESXi, as some license feature levels do not enable required VMware APIs.

The following are compatible with Cisco Prime Collaboration Deployment:

- Cisco UC Virtualization Foundation (appears as “Foundation Edition” in vSphere Client)
- VMware vSphere Standard Edition, Enterprise Edition, or Enterprise Plus Edition
- The evaluation mode license feature level

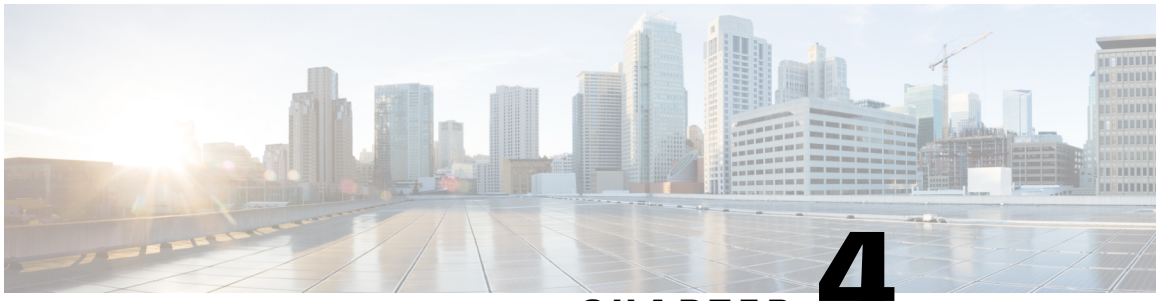
The following are not compatible with Cisco Prime Collaboration Deployment:

- Cisco UC Virtualization Hypervisor (appears as “Hypervisor Edition” in vSphere Client)—preloaded on Cisco Business Edition 6000 and Business Edition 7000
- VMware vSphere Hypervisor Edition

Cluster Discovery Issue with NAT

This information addresses CSCuv51833.

Discovery of the Network Access Translation (NAT) nodes appears as complete even if some of the nodes are still in discovering state. This process is an intermittent issue. As a workaround, restart the Tomcat server on Cisco Prime Collaboration Deployment and discover the nodes again.



CHAPTER 4

Caveats

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Bug Search Tool

The system grades known problems (bugs) according to severity level. These release notes contain descriptions of the following bug levels:

- All severity level 1 or 2 bugs
- Significant severity level 3 bugs
- All customer-found bugs

You can search for open and resolved caveats of any severity for any release using the Cisco Bug Search tool, an online tool available for customers to query defects according to their own needs.

To access the Cisco Bug Search tool, you need the following items:

- Internet connection
- Web browser
- Cisco.com user ID and password

Follow these steps to use Cisco Bug Search tool:

1. Access the Cisco Bug Search tool: https://tools.cisco.com/bugsearch/.
2. Log in with your Cisco.com user ID and password.
3. If you are looking for information about a specific problem, enter the bug ID number in the **Search for:** field, and click **Go**.

Tip Click **Help** on the Bug Search page for information about how to search for bugs, create saved searches, and create bug groups.

Resolved Caveats

You can find the latest resolved caveat information for Cisco Prime Collaboration Deployment by using the Bug Search tool, an online tool available for customers to query defects according to their own needs.

Tip You need an account with Cisco.com to use the Bug Search tool to find open and resolved caveats of any severity for any release.

See https://tools.cisco.com/bugsearch/.

Resolved Caveats for SU1

Cisco Prime Collaboration Deployment Release 10.5.3 SU1 provides fixes to the following defects:

- CSCuv33259—Crashed status while discovering large clusters with NAT
- CSCus76770—Fix usage of SSL in JAVA to address poodle vulnerability

Open Caveats

Caveat	Severity	Product	Headline
CSCuo72650	3	Cisco Unified Communications Manager (CallManager)	ENG:CUCM:Wrong Platform API version in the UK locale
CSCun30432	4	Cisco Unified Communications Manager (CallManager)	UCMAP: No proper error msg while cancelling the install task.
CSCun08515	4	Cisco Unified Communications Manager (CallManager)	Cluster discovery should verify node status marked as Publisher function.
CSCum58350	4	Cisco Unified Communications Manager (CallManager)	Manual start tasks should have edit action.

Caveat	Severity	Product	Headline
CSCul35818	5	Cisco Unified Communications Manager (CallManager)	In Upgrade Task, seeing green check marks where they shouldn't be.
CSCuo05500	5	Cisco Unified Communications Manager (CallManager)	Edit ESXi Host in Cisco Prime Collaboration Deployment results in IP address used in Hostname/IP address field
CSCuo08038	4	Cisco Unified Communications Manager (CallManager)	Cisco Prime Collaboration Deployment Cluster Creation Role Checks for CUC and UCCX