Documentation Guide for Cisco Unified Communications Manager, Release 10.0(1)

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Release guides and general information

- Cisco Unified Communications Manager Software Compatibility Matrix, page 1
- New and Changed Information for Cisco Unified Communications Manager, page 1
- Release Notes for Cisco Unified Communications Manager, page 1

CiscoUnifiedCommunicationsManagerSoftwareCompatibility Matrix

This document lists Cisco Unified Communications Manager and IM and Presence Service releases and upgrade paths. It also provides detailed information about compatible releases and loads for devices, applications, application programming interfaces, features, and services.


New and Changed Information for Cisco Unified Communications Manager

This document provides information on new and changed functionality and features for Cisco Unified Communications Manager and IM and Presence Service.


Release Notes for Cisco Unified Communications Manager

This document lists and describes the system requirements, new features, changed information, documentation updates, and open caveats for Cisco Unified Communications Manager and IM and Presence Service on Cisco Unified Communications Manager.
Design guides

- Deploying IPv6 in Unified Communications Networks with Cisco Unified Communications Manager, page 3
- Cisco Collaboration Solution Reference Network Designs, page 3

Deploying IPv6 in Unified Communications Networks with Cisco Unified Communications Manager

This document provides design considerations and configuration guidelines for deploying IPv6 in a Cisco Unified Communications Solution.


Cisco Collaboration Solution Reference Network Designs

This document provides design considerations and guidelines for deploying Cisco Unified Communications and Collaboration solutions, including Cisco Unified Communications Manager, Cisco TelePresence Video Communication Server, and other components of a Cisco Unified Communications and Collaboration System.

Install and upgrade guides

• Installing Cisco Unified Communications Manager, page 5
• Cisco Unified Communications Manager on Virtualized Servers, page 5
• Upgrade Guide for Cisco Unified Communications Manager, page 5
• Replace a Single Server or Cluster for Cisco Unified Communications Manager, page 6

Installing Cisco Unified Communications Manager

This document provides procedures for installing Cisco Unified Communications Manager and the IM and Presence Service on the publisher database and subscriber nodes.


Cisco Unified Communications Manager on Virtualized Servers

This document presents the unique technical information that you need to run Cisco Unified Communications Manager on Virtualized Servers.


Upgrade Guide for Cisco Unified Communications Manager

This document contains instructions for upgrading Cisco Unified Communications Manager and IM and Presence Service on Cisco Unified Communications Manager.

Replace a Single Server or Cluster for Cisco Unified Communications Manager

This document describes how to replace an entire cluster or a single server in a cluster for Cisco Unified Communications Manager.

Configuration guides

- Database Setup for IM and Presence Service on Cisco Unified Communications Manager, page 7
- Deployment Guide for IM and Presence Service on Cisco Unified Communications Manager, page 8
- Instant Messaging Compliance for IM and Presence Service on Cisco Unified Communications Manager, page 8
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- Remote Call Control with Microsoft Lync Server 2010 for IM and Presence Service on Cisco Unified Communications Manager, page 9

Database Setup for IM and Presence Service on Cisco Unified Communications Manager

This document describes how to configure an external database to store information synchronized from the IM and Presence Service.

Deployment Guide for IM and Presence Service on Cisco Unified Communications Manager

This document describes how to deploy and configure the IM and Presence Service.

Instant Messaging Compliance for IM and Presence Service on Cisco Unified Communications Manager

This document describes how to configure the Instant Messaging Compliance feature on the IM and Presence Service.

Interdomain Federation for IM and Presence Service on Cisco Unified Communications Manager

This document describes how to configure the IM and Presence Service for interdomain federation over the SIP protocol with Microsoft OCS, and over the XMPP protocol with IBM Sametime, Googletalk, Webex Connect, and another IM and Presence Service enterprise.

Jabber for Everyone Quick Start Guide

This document provides a solution-level overview of the Cisco Jabber for Everyone offer as well as a quick-start guide to deployment—from core functionality to advanced features. This document also contains links to the appropriate supporting documentation on cisco.com.

Microsoft Exchange for IM and Presence Service on Cisco Unified Communications Manager

This document provides the instructions for integrating the IM and Presence Service with Microsoft Exchange Calendar 2003, 2007, or 2010.
Microsoft Office Communicator Call Control with Microsoft OCS for IM and Presence Service on Cisco Unified Communications Manager

This document describes the configuration steps for integrating the IM and Presence Service with Microsoft Office Communications Server or Microsoft Live Communications Server for Microsoft Office Communicator (MOC) call control.


Partitioned Intradomain Federation for IM and Presence Service on Cisco Unified Communications Manager

This document describes how to configure Partitioned Intradomain Federation between the IM and Presence Service and Microsoft Lync/OCS.


Remote Call Control with Microsoft Lync Server 2010 for IM and Presence Service on Cisco Unified Communications Manager

This document describes the configuration steps to integrate the IM and Presence Service with Microsoft Lync Server for Remote Call Control (RCC).

Programming guides

- Cisco Unified Communications Manager Data Dictionary, page 11
- Cisco Unified Communications Manager SIP Line Messaging Guide (Standard), page 11
- Cisco Unified Communications Manager XML Developers Guide, page 11
- Cisco Unified TAPI Developers Guide for Cisco Unified Communications Manager, page 12
- Cisco Unified JTAPI Developers Guide for Cisco Unified Communications Manager, page 12
- Developer Guide for SIP Transparency and Normalization, page 12

Cisco Unified Communications Manager Data Dictionary

This document describes the data that the primary Cisco Unified Communications Manager database stores. This document automatically generates from the actual development data dictionary that is used to create the SQL scripts for installing the Cisco Unified Communications Manager database.


Cisco Unified Communications Manager SIP Line Messaging Guide (Standard)

This guide describes the implementation of the Session Initiation Protocol (SIP) for line-side devices in Cisco Unified Communications Manager.


Cisco Unified Communications Manager XML Developers Guide

This guide includes the AXL, AXL serviceability, extension mobility, Cisco Web Dialer, and Cisco Routing Rules APIs.
The Cisco Unified Communications Manager AXL implementation allows applications to modify the Cisco Unified Communications Manager system database.

Cisco Unified Communications Manager Real Time Monitoring Tool information, performance counters, and database information exposure occur through the AXL serviceability API.

The Cisco Extension Mobility Service provides a rich API, which enables extension mobility on IP phones and allows applications to control authentication, scheduling, and availability.

The Cisco Web Dialer application enables click-to-dial functionality by creating hyperlinked telephone numbers in a company directory.

The Cisco Unified Routing Rules XML interface provides an eXtensible Access Control Markup Language (XACML) based interface for configuring call routing rules for the Cisco Unified Communications Manager external call control feature.


Cisco Unified TAPI Developers Guide for Cisco Unified Communications Manager

This guide describes the Cisco TAPI Service Provider (TSP), which allows developers to create customized IP telephony applications for Cisco users. The Cisco TAPI implementation uses the Microsoft TAPI v2.1 specification and supplies extension functions to support Cisco Unified Communications Manager solutions.


Cisco Unified JTAPI Developers Guide for Cisco Unified Communications Manager

This guide describes the Cisco implementation of JTAPI for the Cisco Unified Communications Manager platform. Cisco conforms as closely as possible to the JTAPI specification while providing extensions that enhance JTAPI and expose the advanced features of Cisco Unified Communications Manager to applications.


Developer Guide for SIP Transparency and Normalization

This document describes the process to customize the SIP messages on Cisco Unified Communications Manager Session Management Edition. It also describes the details on Lua environment available on Unified Communications Manager Session Management Edition and APIs to support SIP Transparency and Normalization functionality.

Maintenance and operation guides

- Changing the IP Address and Hostname for Cisco Unified Communications Manager and IM and Presence Service, page 14
- Cisco Prime Collaboration Deployment Administration Guide, page 14
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- Cisco Unified Communications Manager CDR Analysis and Reporting Administration Guide, page 18
Changing the IP Address and Hostname for Cisco Unified Communications Manager and IM and Presence Service

This document provides the steps to change the IP address and hostname on Cisco Unified Communications Manager and the IM and Presence Service.


Cisco Prime Collaboration Deployment Administration Guide

This document describes how to use Cisco Prime Collaboration Deployment to perform the following functions:

- Migrate existing Unified Communication server clusters to new clusters
- Perform operations on existing clusters (upgrades, switch versions, and restarts)
- Change IP addresses or hostnames in a cluster
- Fresh installs of new Release 10.0 Unified Communication cluster


Cisco Unified Communications Manager Assistant User Guide for Cisco Unified Communications Manager

This document describes how to use the Cisco Unified Communications Manager Assistant (Manager Assistant). This document is written for the managers and assistants who use Manager Assistant.

Cisco Unified Communications Manager Bulk Administration Guide

This document provides step-by-step instructions for adding, updating, or deleting large numbers of users, devices, and ports on specific devices.


• SAML SSO Deployment Guide for Cisco Unified Communication Applications, page 18
Cisco Unified Communications Manager Call Detail Records Administration Guide

This document describes how to configure call detail records (CDRs) and call management records (CMRs) and provides examples of these records.


Cisco Unified Communications Operating System Administration Guide

This document provides information about using the Cisco Unified Communications Platform graphical user interface to perform many common system- and network-related tasks for Cisco Unified Communications Manager and the IM and Presence Service.


Cisco Unified Personal Communicator Administration on IM and Presence Service

This document provides the necessary information for administering Cisco Unified Personal Communicator on Cisco Unified Communications Manager IM and Presence Service.


Cisco Unified Real Time Monitoring Tool Administration Guide

This document provides descriptions and step-by-step instructions for installing and using the Real Time Monitoring Tool on Cisco Unified Communications Manager and the IM and Presence Service.


Cisco Unified Serviceability Administration Guide

This document provides descriptions and procedures for configuring alarms, traces, and SNMP through Cisco Unified Serviceability on Cisco Unified Communications Manager and the IM and Presence Service. The document also describes how to activate, start, and stop feature and network services.

Cisco Unified Reporting Administration Guide

This guide provides an overview of the Cisco Unified Reporting web application on Cisco Unified Communications Manager and Cisco Unified Communications Manager IM and Presence Service. The guide describes how to use the application and provides procedures for completing various reporting tasks.


Command Line Interface Reference Guide for Cisco Unified Communications Solutions

This document describes the Command Line Interface (CLI) commands that are available for Cisco Unified Communications Solutions.


TCP and UDP Port Usage Guide for Cisco Unified Communications Manager

This document provides a list of the TCP and UDP ports that Cisco Unified Communications Manager and IM and Presence Service on Cisco Unified Communications Manager use for intraccluster connections and for communications with external applications or devices. It provides important information for the configuration of firewalls, Access Control Lists (ACLs), and quality of service (QoS) on a network when an IP communications solution is implemented.


Cisco Unified Communications Manager System Guide

This document provides descriptions of Cisco Unified Communications Manager and its components, configuration checklists, and links to associated Cisco Unified Communications Manager Administration Guide and Cisco Unified Communications Manager Features and Services Guide procedures.

Cisco Unified Communications Manager Managed Services Guide

This document provides information on how to monitor and maintain service provider networks. It includes monitoring the health of the system; SNMP traps and syslog messages; MIBs; Cisco Unified Serviceability alerts and alarms; CiscoLog messages; and Cisco Unified Real-Time Monitoring Tool tracing, perfmons, and alerts. A chapter discusses release-by-release additions and changes to Cisco Unified Communications Manager and its components, beginning with Release 6.0(x).


Cisco Unified Communications Manager Features and Services Guide

This document provides key concepts, terminology, and descriptive information about features and high-level administrative tasks that involve Cisco Unified Communications Manager.


Cisco Unified Communications Manager Security Guide

This document provides step-by-step instructions on how to configure authentication and encryption for Cisco Unified Communications Manager, Cisco Unified IP Phones, Cisco Unified Survivable Remote Site Telephony (Unified SRST) references, Media Gateway Control Protocol (MGCP) gateways, and Cisco Unity and Cisco Unity Connection voice-messaging ports. It also covers authorization for SIP trunk messages.


Cisco Unified Communications Manager Dialed Number Analyzer Guide

This document provides information on using Cisco Unified Communications Manager Dialed Number Analyzer to test and diagnose a deployed Cisco Unified Communications Manager dial plan configuration, analyze the test results, and use the results to tune the dial plan.

Disaster Recovery System Administration Guide for Cisco Unified Communications Manager

This document provides an overview of the Disaster Recovery System on Cisco Unified Communications Manager and IM and Presence Service. It provides procedures for performing various backup-related tasks and restore-related tasks.


Cisco Unified Communications Manager Administration Guide

This document provides step-by-step instructions for configuring, maintaining, and administering Cisco Unified Communications Manager.


Cisco Unified Communications Manager Dial Plan Deployment Guide

This document provides instructions to deploy Cisco Unified Communications Manager Dial Plans. This guide applies to all releases of Cisco Unified Communications Manager.


Cisco Unified Communications Manager CDR Analysis and Reporting Administration Guide

This document describes how to configure and use Cisco Unified Communications Manager CDR Analysis and Reporting (CAR), a tool that is used to create user, system, device, and billing reports.


SAML SSO Deployment Guide for Cisco Unified Communication Applications

This document provides key concepts, terminology, and high-level information that system administrators need to configure and enable the SAML-based SSO solution across a defined set of Cisco collaboration applications. This document describes the basic work flow of SAML SSO as well as the various applications
and supported Identity Providers (IdPs) that support the SAML-based SSO solution. This document provides links to product documentation for configuration of specific collaboration applications.

User guides

- Cisco Unified Communications Self Care Portal User Guide, page 21

Cisco Unified Communications Self Care Portal User Guide

This document describes how to use Cisco Unified Communications Self Care Portal to customize user options for your Cisco Unified IP Phone.

Troubleshooting guides

- Troubleshooting Guide for Cisco Unified Communications Manager, page 23

Troubleshooting Guide for Cisco Unified Communications Manager

This document provides troubleshooting procedures for resolving Cisco Unified Communications Manager system and configuration problems.

Related documentation

- Cisco Unified IP Phone Documentation, page 25
- Cisco Prime License Manager User Guide, page 27
- Cisco Unified IP Phone Service Application Development Notes for Cisco Unified Communications Manager, page 28
- Cisco Unified Communications System Release Summary Matrix for IP Telephony, page 28
- Configuring Cisco Unified Communications Manager for the NovaTec TransNova S3 Voice Gateway, page 28

Cisco Unified IP Phone Documentation

This section lists the documentation for the Cisco Unified IP Phone 3900, 6900, 7900, 8900, and 9900 series.

General Information

Use the following links to access the documentation guide, licensing information, and release notes for these Cisco Unified IP Phones.

Cisco Unified IP Phone 3900 Series:

Cisco Unified IP Phone 6900 Series:

Cisco Unified IP Phone 7900 Series:

Cisco Unified IP Phone 8900 Series:

Cisco Unified IP Phone 9900 Series:
Reference Guides

Use these links to access the accessibility feature guide and other technical references for these Cisco Unified IP Phones:

Cisco Unified IP Phone 6900 Series:

Cisco Unified IP Phone 7900 Series:

Cisco Unified IP Phone 8900 Series:

Cisco Unified IP Phone 9900 Series:

Install and Upgrade

Use the following links to access the installation and regulatory compliance and safety information documentation for these Cisco Unified IP Phones.

Cisco Unified IP Phone 3900 Series:

Cisco Unified IP Phone 7900 Series:

Cisco Unified IP Phone 8900 Series:

Cisco Unified IP Phone 9900 Series:

Maintain and Operate

Use the following links to access documentation for administering and using Cisco Unified IP Phones.

Cisco Unified IP Phone 3900 Series:

Cisco Unified IP Phone 6900 Series:

Cisco Unified IP Phone 7900 Series:

Cisco Unified IP Phone 8900 Series:
Translated Documentation

Use the following links to access the translated end user guides for Cisco Unified IP Phones.
Cisco Unified IP Phone 3900 Series:
Cisco Unified IP Phone 6900 Series:
Cisco Unified IP Phone 7900 Series:
Cisco Unified IP Phone 8900 Series and Cisco Unified IP Phone 9900 Series:

Other Cisco Unified IP Phone Documentation

Use the following links for all other Cisco Unified IP Phone documents that are not included in the preceding sections:
Cisco Unified IP Phone 3900 Series:
Cisco Unified IP Phone 6900 Series:
Cisco Unified IP Phone 7900 Series:
Cisco Unified IP Phone 8900 Series:
Cisco Unified IP Phone 9900 Series:

Cisco Prime License Manager User Guide

This document describes how to deploy, install, upgrade, operate, and administer Cisco Prime License Manager.
Cisco Prime License Manager replaces Enterprise License Manager, and is not installable as a standalone option from the Unified Communication operating system ISO. Coresident installation from the Unified Communication operating system ISO is still an option.


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**Cisco Unified IP Phone Service Application Development Notes for Cisco Unified Communications Manager**

This document provides the information that programmers and system administrators need to develop and deploy new Cisco Unified IP Phone services with Cisco Unified Communications Manager by using eXtensible Markup Language (XML) objects and the Hypertext Transfer Protocol (HTTP) with standard web servers. Cisco conforms as closely as possible to the XML and HTTP standards while providing maximum service functionality for Cisco Unified IP Phones.

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**Cisco Unified Communications System Release Summary Matrix for IP Telephony**

This document lists the supported product release version for IP telephony products.


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**Cisco Unified Communications Manager Session Management Edition Deployment Guide**

This document provides design considerations and configuration guidelines for deploying Cisco Unified Communications Manager Session Management Edition.

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**Configuring Cisco Unified Communications Manager for the NovaTec TransNova S3 Voice Gateway**

This document describes how to configure Cisco Unified Communications Manager systems to use the NovaTec TransNova S3 SIP Voice Gateway (S3).

NovaTec publishes complete technical information for this voice gateway on its website and in the online help for its TransNova configuration and TraceInfo Client software. This document emphasizes configuration that you must do within Cisco Unified Communications Manager Administration.