Preface

Revised: April 30, 2013; OL-27282-05

This document provides design considerations and guidelines for deploying Cisco Unified Communications System Release 9.0, including Cisco Unified Communications Manager 9.0 and other components of the Cisco Unified Communications System.

This document should be used in conjunction with other documentation available at the following locations:

- For other Solution Reference Network Design (SRND) documents:

  http://www.cisco.com/go/ucsrnd

- For more information about the Cisco Unified Communications System:

  http://www.cisco.com/go/unified-techinfo

- For more information about Cisco Unified Communications Manager:

  http://www.cisco.com/en/US/products/sw/voicesw/ps556/tsd_products_support_series_home.html

- For other Cisco design guides:

  http://www.cisco.com/go/designzone

- For all Cisco products and documentation:

  http://www.cisco.com

New or Changed Information for This Release

Within each chapter of this guide, new and revised information is listed in a section titled *What's New in This Chapter*.

> **Note** Unless stated otherwise, the information in this document applies only to Release 9.0 of the Cisco Unified Communications System and its components. For information on later 9.x releases of Cisco Unified Communications, refer to the *Cisco Collaboration 9.x SRND* available at http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/srnd/collab09/clb09.html.

For additional information about Cisco Unified Communications and Collaboration solutions, refer to the documentation available at:

http://www.cisco.com/go/ucsrnd

Revision History

Note This document is no longer being updated. For the latest information on Cisco Unified Communications 9.*x* system releases, refer to the *Cisco Collaboration 9.x SRND* available at http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/srnd/collab09/clb09.html.

The following table lists the revision history for this document.

Revision Date	Document Part Number	Comments
April 30, 2013	OL-27282-05	Minor corrections and changes. For details, in each chapter see *What's New in This Chapter*.
October 31, 2012	OL-27282-04	Periodic update of various chapters. For details, in each chapter see *What's New in This Chapter*.
September 28, 2012	OL-27282-03	Periodic update of various chapters. For details, in each chapter see *What's New in This Chapter*.
August 31, 2012	OL-27282-02	Periodic update of various chapters. For details, in each chapter see *What's New in This Chapter*.
June 28, 2012	OL-27282-01	Initial version of this document for Cisco Unified Communications System Release 9.0.

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 the *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.

Cisco Product Security Overview

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.

Further information regarding U.S. export regulations may be found at:

http://www.access.gpo.gov/bis/ear/ear_data.html

Conventions

This document uses the following conventions:

Convention	Indication
bold font	Commands and keywords and user-entered text appear in **bold** font.
italic font	Document titles, new or emphasized terms, and arguments for which you supply values are in *italic* font.
[ ]	Elements in square brackets are optional.
{x	y	z }	Required alternative keywords are grouped in braces and separated by vertical bars.
[x	y	z]	Optional alternative keywords are grouped in brackets and separated by vertical bars.
string	A nonquoted set of characters. Do not use quotation marks around the string or the string will include the quotation marks.
courier font	Terminal sessions and information the system displays appear in courier font.
< >	Non-printing characters such as passwords are in angle brackets.
[ ]	Default responses to system prompts are in square brackets.
!, #	An exclamation point (!) or a pound sign (#) at the beginning of a line of code indicates a comment line.

Note Means *reader take note*.

Tip Means *the following information will help you solve a problem*.

Caution Means *reader be careful*. In this situation, you might perform an action that could result in equipment damage or loss of data.

Timesaver Means *the described action saves time*. You can save time by performing the action described in the paragraph.

Warning **Means *reader be warned*. In this situation, you might perform an action that could result in bodily injury.**