



Preface

Introduction

The *Cisco IPICS Server Administration Guide* provides the information that you need to understand, configure, manage, and use the Cisco IP Interoperability and Collaboration System (hereafter referred to as *Cisco IPICS*) 2.2 application.

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Tip

If you use Cisco IPICS only for communicating with other users and do not require any other introductory material, go to [Chapter 5, “Performing Cisco IPICS User Tasks,”](#) which provides information about logging into Cisco IPICS, downloading and setting up your PMC, and completing your user profile.

Audience

Cisco IPICS Server Administration Guide is intended for users who configure, operate, and manage tasks for the Cisco IPICS server. It also is intended for users who perform any of all of the Cisco IPICS roles.

Organization

This document is organized as follows:

Chapter 1, “Introducing Cisco IPICS”	Provides an overview of Cisco IPICS and directs users to the appropriate sections in this document for their particular roles.
Chapter 2, “Performing Cisco IPICS System Administrator Tasks”	Describes the tasks that the system administrator can perform in the Admin Console.
Chapter 3, “Performing Cisco IPICS Operator Tasks”	Describes the tasks that the operator can perform in the Admin Console.
Chapter 4, “Performing Cisco IPICS Dispatcher Tasks”	Describes the tasks that the dispatcher can perform in the Admin Console.
Chapter 5, “Performing Cisco IPICS User Tasks”	Discusses how a user interacts with the Admin Console. Topics covered include logging in, downloading the PMC application, and setting up a user profile.
Chapter 6, “Configuring and Managing Cisco IPICS Operational Views”	Explains the Cisco IPICS operational view functions.
Chapter 7, “Using the Cisco IPICS Policy Engine”	Describes many of the day-to-day activities that you perform with the Cisco IPICS IP Policy Engine.
Chapter 8, “Configuring and Managing the Cisco IPICS Policy Engine”	Describes how to configure and manage the Dial Engine, and how to configure a SIP provider for the Cisco IPICS IP Policy Engine.

Chapter 9, “Performing Cisco IPICS Database Backup and Restore Operations”	Describes the procedures that you perform to back up and restore the Cisco IPICS database.
Chapter 10, “Understanding Cisco IPICS Serviceability and Diagnostic Information”	Describes serviceability and diagnostic information that is available for Cisco IPICS.
Appendix A, “Configuring the Cisco IPICS RMS Component”	Describes how to configure and RMS for use with Cisco IPICS.
Appendix C, “Setting Up and Using a Cisco Unified IP Phone as a Cisco IPICS Push-to-Talk Device”	Describes how to set up and use supported Cisco IP Phones with Cisco IPICS.
Appendix B, “Using Cisco IPICS for External Notifications”	Describes how to set up Cisco IPICS for external notifications and how to invoke external notifications.
Appendix D, “Frequently Asked Questions”	Provides answers to frequently asked questions regarding Cisco IPICS.

Related Documentation

For more information about Cisco IPICS and the PMC application, refer to the latest releases of the following documentation:

- *Cisco IPICS PMC Installation and User Guide*—This document describes how to install, configure, manage, and operate the Cisco IPICS PMC application
- *Cisco IPICS PMC Quick Start Reference Card*—This document provides tips and quick references for the most frequently used procedures that a user can perform on the Cisco IPICS PMC.
- *Cisco IPICS PMC Debug Reference Quick Start Guide*—This document provides a quick reference for troubleshooting and debugging the Cisco IPICS PMC.
- *Cisco IPICS PMC Command Line Interface*—This document describes the commands that you can use from the command line interface (CLI) to obtain information or to change settings for the Cisco IPICS PMC.

- *Cisco IPICS Server Quick Start Guide*—This document is a condensed version of this *Cisco IPICS Server Administration Guide* to help the administrator to quickly get started with Cisco IPICS.
- *Cisco IPICS Server Quick Start Reference Card*—This document provides tips, quick references, and usage guidelines for the Cisco IPICS server.
- *Using Cisco IPICS on Your IP Phone Quick Start Reference Card*—This document contains information about accessing Cisco IPICS from your IP phone and tips and guidelines for using this service.
- *Using the Cisco IPICS TUI Quick Start Reference Card*—This document describes the steps that you follow to dial in to, or receive a call from, the policy engine telephony user interface (TUI) and guidelines for using the system.
- *Cisco IPICS Radio and Tone Descriptor File Examples Reference Card*—This document contains examples of valid and invalid radio control and signaling descriptor file entries and guidelines for creating these entries.
- *Cisco IPICS Server Installation and Upgrade Guide*—This document describes how to install, configure, and upgrade the Cisco IPICS server software and Cisco IPICS operating system.
- *Cisco IPICS Server Quick Start Installation Reference Card*—This document provides tips and quick references for installing and upgrading the Cisco IPICS server.
- *Cisco IPICS Troubleshooting Guide*—This document contains reference material about how to maintain and troubleshoot the Cisco IPICS system.
- *Release Notes for Cisco IPICS*—This document contains a description of the new and changed features, important notes, caveats, and documentation updates for this release of Cisco IPICS.
- *Cisco IPICS Resources Card (Documentation Locator)*—This document provides a summary of the documentation that is available for this release of Cisco IPICS.
- *Solution Reference Network Design (SRND) for Cisco IPICS*—This document provides information about design considerations and guidelines for deploying the Cisco IPICS solution.
- *Cisco IPICS Compatibility Matrix*—This document contains information about compatible hardware and software that is supported for use with Cisco IPICS.

To access the documentation suite for Cisco IPICS, refer to the following URL:

[http://www.cisco.com/en/US/products/ps7026/
tsd_products_support_series_home.html](http://www.cisco.com/en/US/products/ps7026/tsd_products_support_series_home.html)

Cisco Unified Communications Manager (CallManager) Documentation

For information about Cisco Unified Communications Manager (CallManager), refer to the documentation at this URL:

[http://www.cisco.com/en/US/products/sw/voicesw/ps556/
tsd_products_support_series_home.html](http://www.cisco.com/en/US/products/sw/voicesw/ps556/tsd_products_support_series_home.html)

Cisco Unified Communications Manager Express Documentation

For information about Cisco Unified Communications Manager Express, refer to the documentation at this URL:

[http://www.cisco.com/en/US/products/sw/voicesw/ps4625/
tsd_products_support_series_home.html](http://www.cisco.com/en/US/products/sw/voicesw/ps4625/tsd_products_support_series_home.html)

Cisco 7800 Series Media Convergence Servers Documentation

For information about Cisco 7800 Series Media Convergence Servers, refer to the MCS data sheets at this URL:

[http://www.cisco.com/en/US/products/hw/voiceapp/ps378/
products_data_sheets_list.html](http://www.cisco.com/en/US/products/hw/voiceapp/ps378/products_data_sheets_list.html)

Cisco Unified IP Phones 7900 Series Documentation

For information about Cisco Unified IP Phones, refer to the documentation at this URL:

[http://www.cisco.com/en/US/products/hw/phones/ps379/
tsd_products_support_
series_home.html](http://www.cisco.com/en/US/products/hw/phones/ps379/tsd_products_support_series_home.html)

Session Initiation Protocol Documentation

The dial engine, which controls the dial-in and dial-out functionality of the policy engine, uses the Session Initiation Protocol (SIP). For information about SIP, refer to the documentation at this URL:

http://cisco.com/en/US/tech/tk652/tk701/tk587/tsd_technology_support_sub-protocol_home.html

Cisco Land Mobile Radio over IP/Solution Reference Network Design

For information about Cisco Land Mobile Radio (LMR) over IP, refer to the documentation at the following URLs:

http://www.cisco.com/en/US/products/ps6441/products_feature_guide09186a00801f092c.html

http://www.cisco.com/en/US/products/sw/iosswrel/ps5207/products_implementation_design_guide_book09186a0080347c1b.html

Cisco Security Agent

For information about Cisco Security Agent, refer to the documentation at this URL:

<http://www.cisco.com/en/US/products/sw/secursw/ps5057/index.html/>

Cisco IOS Documentation

The Cisco IOS software documentation set describes the tasks and commands necessary to configure certain system components and other Cisco products, such as access servers, routers, and switches. Each configuration guide can be used in conjunction with its corresponding command reference.

For information about Cisco IOS software configuration, refer to the documentation at this URL:

http://www.cisco.com/en/US/products/sw/iosswrel/products_ios_cisco_ios_software_category_home.html

Document Notes and Conventions

This document uses the following conventions for instructions and information:



Note

Means *reader take note*. Notes contain helpful suggestions or references to materials not contained in this manual.



Caution

This caution symbol means *reader be careful*. In this situation, you might do something that could result in equipment damage or loss of data.

Convention	Description
boldface font	Commands and keywords appear in boldface .
<i>italic font</i>	Command input for which you supply the values appear in <i>italics</i> .
[]	Optional keywords and default responses to system prompts appear within square brackets.
{ x x x }	A choice of keywords (represented by x) appears in braces separated by vertical bars. You must select one.
string	A nonquoted set of characters. Do not use quotation marks around the string or the string will include the quotation marks.
^ or Ctrl	Represent the key labeled <i>Control</i> . For example, when you read ^D or <i>Ctrl-D</i> , you should hold down the Control key while you press the D key.
screen font	Examples of information displayed on the screen.

Convention	Description
boldface screen font	Information that you must enter is in boldface screen font .
<i>italic screen font</i>	Arguments for which you supply values are in <i>italic screen font</i> .

Obtaining Documentation, Obtaining Support, and Security Guidelines

For information on obtaining documentation, obtaining support, providing documentation feedback, security guidelines, and also recommended aliases and general Cisco documents, 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>