



## About this Guide

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Revised: June 21, 2013, OL-29136-01

## Introduction

This preface describes who should read the *Cisco SCE2000 and SCE1000 Software Configuration Guide*, how it is organized, and its document conventions.

This guide is for experienced network administrators who are responsible for configuring and maintaining the SCE platform.



### Note

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This guide applies to the Cisco SCE 2000 and the Cisco SCE 1000 platforms. For information concerning configuring the Cisco SCE 8000 platform, see the [Cisco SCE8000 10GBE Software Configuration Guide](#) or the [Cisco SCE8000 GBE Software Configuration Guide](#).

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## Document Revision History

The Document Revision History below records changes to this document.

**Table 1**      **Document Revision History**

Revision	Cisco Service Control Release and Date	Change Summary
OL-29136-01	Release 4.0.x June 21, 2013	Updated for Release 4.0.x

# Organization

This chapter describes the contents of each chapter in this document.:

**Table 2**      **Document Organization**

<b>Section</b>	<b>Title</b>	<b>Description</b>
Chapter 1	<a href="#">Cisco Service Control Overview, page 1</a>	Overview of SCE platform management.
Chapter 2	<a href="#">Command-Line Interface, page 1</a>	Detailed explanation of how to use the Cisco SCE Command-line Interface.
Chapter 3	<a href="#">Operations, page 1</a>	Explanation of how to manage configurations, install applications and upgrade the system software.
Chapter 4	<a href="#">Utilities, page 1</a>	Explanation of the setup wizard and the user log, as well as of file operations.
Chapter 5	<a href="#">Configuring the Management Interface and Security, page 1</a>	Explanation of how to configure the various management options: Telnet, SSH, and SNMP. Also how to configure the system time, Domain Name Settings, management IP address, and passwords.
Chapter 6	<a href="#">Configuring the Line Interface, page 1</a>	Explanation of how to configure tunneling, TOS marking, and traffic rules.
Chapter 7	<a href="#">Configuring the Connection, page 1</a>	Explanation of how to configure the connection mode, link mode, and failure behaviors
Chapter 8	<a href="#">Raw Data Formatting: The RDR Formatter and NetFlow Exporting, page 1</a>	Explanation of how to configure the connection mode, link mode, and failure behaviors.
Chapter 9	<a href="#">Managing Subscribers, page 1</a>	Explanation of how to import and export subscriber information and how to monitor subscribers.
Chapter 10	<a href="#">Redundancy and Fail-Over, page 1</a>	Explanation of how to configure and manage a redundant system.  This chapter applies only to the SCE 2000 platform
Chapter 11	<a href="#">Identifying and Preventing Distributed-Denial-of-Service Attacks, page 1</a>	Explanation of how to configure attack filtering
Chapter 12	<a href="#">Value-Added Services (VAS) Traffic Forwarding, page 1</a>	Explanation of Value Added Services (VAS) and how to configure VAS traffic forwarding
Chapter 13	<a href="#">MPLS/VPN Support, page 1</a>	Explanation of MPLS/VPN support, and how to configure and monitor MPLS/VPN subscribers and support

**Table 2**      **Document Organization (continued)**

<b>Section</b>	<b>Title</b>	<b>Description</b>
Chapter 14	<a href="#">Managing the SCMP, page 1</a>	Explanation of Service Control Management Protocol (SCMP), which is a protocol that integrates the SCE platform and the ISG (Intelligent Service Gateway) functionality of the Cisco routers. It also explains how to configure and manage SCMP, SCMP peer devices and the RADIUS client.
Appendix A	<a href="#">Monitoring SCE Platform Utilization, page 1</a>	Explanation of how to monitor SCE platforms that are installed in real traffic.
Appendix B	<a href="#">Proprietary MIB Reference, page 1</a>	Definition of the proprietary Service Control Enterprise MIB

## Related Publications

Your SCE platform and the software running on it contain extensive features and functionality, which are documented in the following resources:

- For further information regarding the Service Control CLI and a complete listing of all CLI commands, see the [Cisco SCE 2000 and SCE 1000 CLI Command Reference](#)
- For information regarding configuring the Cisco SCE8000 platform, see the [Cisco SCE8000 10GBE Software Configuration Guide](#) or the [Cisco SCE8000 GBE Software Configuration Guide](#).
- For complete installation information, including initial configuration, refer to the relevant installation guide:
  - [Cisco SCE 2000 4xGBE Installation and Configuration Guide](#)
  - [Cisco SCE 1000 2xGBE Installation and Configuration Guide](#)
- For initial installation and startup information, refer to the relevant quick start guide:
  - [Cisco SCE 2000 4xGBE Quick Start Guide](#)
  - [Cisco SCE 1000 2xGBE Quick Start Guide](#)
- For international agency compliance, safety, and statutory information for wide-area network (WAN) interfaces for the SCE 2000 platform, refer to the regulatory and safety information document:
  - [Regulatory Compliance and Safety Information for Cisco Service Control Engine \(SCE\)](#).
- For installation and configuration of the other components of the Service Control Management Suite refer to:
  - [Cisco SCMS Subscriber Management User Guide](#)
  - [Cisco SCMS Collection Manager User Guide](#)
  - [Cisco Service Control Application for Broadband User Guide](#)
  - [Cisco Service Control Application Reporter User Guide](#)
- To view Cisco documentation or obtain general information about the documentation, refer to the following sources:
  - [Obtaining Documentation and Submitting a Service Request, page xxxviii](#)
  - The Cisco Information Packet that shipped with your SCE 2000 platform.

# Conventions

This document uses the following conventions:

**Table 3**      **Conventions**

Convention	Indication
<b>bold font</b>	Commands and keywords and user-entered text appear in <b>bold font</b> .
<i>italic font</i>	Document titles, new or emphasized terms, and arguments for which you supply values are in <i>italic font</i> .
[ ]	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.
<code>courier font</code>	Terminal sessions and information the system displays appear in <code>courier font</code> .
< >	Nonprinting 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.**

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## 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>

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