About this Guide

Revised: February 07, 2014, OL-29135-02

Introduction

This preface describes who should read the *Cisco SCE 8000 GBE 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 Cisco SCE platform.

Document Revision History

The following Document Revision History table records the changes made to this document.

Table 1   ***Document Revision History***

Revision	Cisco Service Control Release and Date	Change Summary
OL-29135-02	Release 4.0.x June 21, 2013	Updated "MIB Updates" section on page A-27 with limitations on linkUp/linkDown trap.
OL-29135-01	Release 4.0.x June 21, 2013	First version of this document (new for the Release 4.0.x train). The following changes were made from the last release of the 3.8.x train: • Updated "IPv6 Support" section on page 1-8 • Updated "Tunneling Protocols" section on page 7-5 • Added "Configuring the Maximum Gx Login Rate" section on page 1-11

Organization

This guide contains the following sections.

Table 2　　Document Organization

Section	Title	Description
Chapter 1	Cisco Service Control Overview	Overview of Cisco SCE platform management.
Chapter 2	Command-Line Interface	Detailed explanation of how to use the Cisco SCE Command-line Interface.
Chapter 3	Basic Cisco SCE 8000 Platform Operations	Explanation of how to manage configurations, install applications and upgrade the system software.
Chapter 4	Utilities	Explanation of the setup wizard and the user log, as well as of file operations.
Chapter 5	Configuring the Management Interface and Security	Explanation of how to configure the various management options: Telnet, SSH, and SNMP. Also how to configure the management IP address, and passwords.
Chapter 6	Global Configuration	Explanation of how to configure various global settings, such as system time, Domain Name Settings, and IP routing.
Chapter 7	Configuring Line Interfaces	Explanation of how to configure tunneling, TOS marking, and traffic rules.
Chapter 8	Configuring the Connection	Explanation of how to configure the connection mode, link mode, and failure behaviors
Chapter 9	Raw Data Formatting: The RDR Formatter and NetFlow Exporting	Explanation of how to configure the connection mode, link mode, and failure behaviors.
Chapter 10	Managing Subscribers	Explanation of how to import and export subscriber information and how to monitor subscribers.
Chapter 11	Redundancy and Failover	Explanation of how to configure and manage a redundant system.
Chapter 12	Identifying and Preventing Distributed-Denial-of-Service Attacks	Explanation of how to configure attack filtering.
Chapter 13	Managing the SCMP	Explanation of Service Control Management Protocol (SCMP), which is a protocol that integrates the Cisco 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.
Chapter 14	Value-Added Services (VAS) Traffic Forwarding	Explanation of Value Added Services (VAS) traffic forwarding and how to configure it. Also explains how the same capabilities are used for traffic mirroring.

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

Section	Title	Description
Appendix A	Cisco Service Control MIBs	Explanation of how to map the proprietary pcube MIB supported in previous releases to the new MIB structure.
Appendix B	Monitoring Cisco SCE Platform Utilization	Explanation of how to monitor Cisco SCE platforms that are installed in real traffic.
Appendix C	Cisco SCE 8000 Licensing Information	Copy of Open SSH and NetSNMP license information.

Related Publications

Your Cisco 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 SCE8000 CLI Command Reference* document.
- For initial installation and startup information, refer to the relevant installation guide:
  - *Cisco SCE8000 GBE Installation and Configuration Guide*
- For international agency compliance, safety, and statutory information for wide-area network (WAN) interfaces for the Cisco SCE 8000 platform, refer to the regulatory and safety information document:
  - *Regulatory Compliance and Safety Information for Cisco SCE8000*
- 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 7*
  - The Cisco Information Packet that is shipped with your Cisco SCE 8000 platform.

Conventions

This document uses the following conventions.

Table 3　　　***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.
< >	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.**

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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