



About this Guide

Revised: February 18, 2015

Introduction

This preface describes who should read *Cisco SCE 8000 10 GBE Installation and Configuration Guide*, how it is organized, and its document conventions.

This guide is for the networking or computer technician responsible for installing and configuring the Cisco SCE 8000 platform on-site. To use this publication, you should be familiar with telecommunications equipment and installation procedures, as well as electronic circuitry and wiring practices. You should also have experience as an electronic or electromechanical technician.

This installation guide explains the initial hardware installation and basic configuration procedures for the Cisco SCE 8000. It contains procedures for unpacking and installing the device and performing basic configuration via the setup wizard. After completing the installation and basic configuration procedures covered in this guide, use the appropriate companion publications to configure your system.

This guide contains instructions on how to install and run the Cisco SCE 8000 platform. This guide assumes a basic familiarity with telecommunications equipment and installation procedures.

Document Revision History

Table 1 Document Revision History

Revision	Release and Date	Change Summary
	Release 4.2.x August 30, 2014	First version of this document (new for the Release 4.2.x train).

Organization

The major sections of this guide are as follows:

Table 2 **Organization**

Chapter	Title	Description
Chapter 1	Cisco Service Control Overview	This chapter provides a brief introduction to Cisco Service Control.
Chapter 2	Introduction to the Cisco SCE 8000 10 GBE Platform	This chapter provides a hardware overview of the Cisco SCE 8000 platform.
Chapter 3	Cisco SCE 8000 Topology and Topology-Related Parameters	This chapter describes the possible deployment topologies of the Cisco SCE 8000 and explains how various aspects of the topology determine the configuration of the system.
Chapter 4	Installing the Cisco SCE 8000 Chassis	This chapter explains how to install a Cisco SCE 8000 platform in the rack and properly ground it.
Chapter 5	Connecting the Management Interfaces	This chapter explains how to connect the Cisco SCE 8000 platform to a local console and perform the initial system configuration via the setup wizard that runs automatically.
Chapter 6	Cabling the Line Ports and Completing the Installation	This chapter provides instructions for cabling the Gigabit Ethernet ports for both one and two Cisco SCE 8000 topologies, and for configuring Gigabit Ethernet (GBE) interface parameters. In a topology utilizing two Cisco SCE 8000s (cascade), this includes the cascade ports as well as the line ports.
Chapter 7	Basic Cisco SCE 8000 Platform Operations	This chapter describes how to start up the Cisco SCE 8000 platform, reboot, and shutdown. It also describes how to manage configurations.
Chapter 8	Troubleshooting	This chapter provides basic system startup troubleshooting information.
Chapter 9	Removal and Replacement Procedures	This chapter explains the procedures for removing and replacing the power supplies, fan trays, and other modules.
Appendix A	Using Optical Splitters with 10 GBE Links	This appendix supplies important information about supported and not supported optical splitter configurations in the 10 GBE environment.

Table 2 **Organization**

Chapter	Title	Description
Appendix B	CLI Commands to Verify a Successful Installation	This appendix provides a basic post-installation checklist to verify that the installation was successful.
Appendix C	Cisco Service Control Engine System Log Messages	This appendix describes the system log messages generated by the Cisco SCE 10 8000 GBE platform.

Related Publications

The Cisco SCE 8000 platform and the software running on it contain extensive features and functionality, which are documented in the following resources:

- Cisco CLI software:
 - [Cisco SCE8000 10GBE Software Configuration Guide](#)
 - [Cisco SCE8000 CLI Command Reference](#)
- For initial installation and startup information, see the *Cisco SCE8000 Quick Start Guide*.
- For international agency compliance, safety, and statutory information for wide-area network (WAN) interfaces for the Cisco SCE 8000 platform, see the *Regulatory Compliance and Safety Information for Cisco SCE8000*.
- For installation and configuration of the other components of the Service Control Management Suite see:
 - *Cisco SCMS Subscriber Management User Guide*
 - *Cisco SCMS Collection Manager User Guide*
 - *Cisco Service Control Application for Broadband User Guide*
 - *Cisco Insight User Guide*
- To view Cisco documentation or obtain general information about the documentation, see 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 .
<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.
courier font	Terminal sessions and information the system displays appear in <i>courier font</i> .
< >	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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