About this Guide

Revised: April 19, 2010, OL-7821-08

Introduction

This preface describes who should read the SCE 1000 2xGBE Installation and Configuration Guide, how it is organized, and its document conventions.

This installation guide explains the initial hardware installation and basic configuration procedures for the SCE 1000. 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, you will then use the appropriate companion publications to more completely configure your system.

This guide contains instructions on how to install and run the SCE 1000 platform. This guide assumes a basic familiarity with telecommunications equipment and installation procedures. This introduction provides information about the following topics:

- Audience, page ix
- Document Revision History, page x
- Organization, page xi
- Related Publications, page xii
- Conventions, page xiii
- Obtaining Documentation and Submitting a Service Request, page xiv

Audience

This guide is for the networking or computer technician responsible for installing and configuring the SCE 1000 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.

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-7821-08	Release 3.5.5 April 19, 2010	Figure 2-1 on page 2 updated.
OL-7821-07	Release 3.5.5 July 24, 2009	Versioned document to Release 3.5.5
OL-7821-06	Release 3.1.0	Updated document

OL-7821-05	Release 3.0.5 November 2006	• Added requirement for dark fiber cabling between cascade ports.
		• Added maximum hostname length.
		• Added the following new sections: Displaying the System Uptime Displaying the SCE Platform Inventory
		    – How to Display the SCE Platform Version Information
		    – How to Display the System Uptime
		    – How to Display the SCE Platform Inventory

OL-7821-04	Release 3.0.0 February 2006	Updated circuit breaker information.
OL-7821-03	Release 3.0.0 December 2005	Added the following new features: • Redundant management (Mng) port
OL-7821-02	Release 2.5.7 August 2005	Complete reorganization and revision of product documentation.

Organization

This guide contains the following sections:

Table 2   *Document Organization*

Section	Title	Description
1	Chapter 1, "General Overview"	This chapter provides a brief introduction to Cisco Service Control.
2	Chapter 2, "Introduction to the SCE Platform"	This chapter provides a hardware overview of the SCE 1000 platform.
3	Chapter 3, "Information About Topology"	This chapter describes the possible deployment topologies of the SCE 1000 and explains how various aspects of the topology determine the configuration of the system.
4	Chapter 4, "Installation and Maintenance"	This chapter explains how to install an SCE 1000 platform in a rack or in a general tabletop installation and how to install or replace the power supply units and fan modules.
5	Chapter 5, "Connecting the Management Interfaces and Performing Initial System Configuration"	This chapter explains how to connect the SCE 1000 platform to a local console and perform the initial system configuration via the setup wizard that runs automatically.
6	Chapter 6, "Cabling the Line Ports and Completing the Installation"	This chapter provides instructions for cabling the Gigabit Ethernet ports and for configuring Gigabit Ethernet (GBE) interface parameters.
7	Chapter 7, "Basic SCE 1000 Platform Operations"	This chapter describes how to start up the SCE 1000 platform, reboot, and shutdown. It also describes how to manage configurations.
8	Chapter 8, "Troubleshooting"	This chapter provides basic system startup troubleshooting information.
A	Appendix A, "External Optical Bypass Module"	This appendix explains how to install the optional external optical bypass module.

Related Publications

Your SCE 1000 platform and the software running on it contain extensive features and functionality, which are documented in the following resources:

- Cisco CLI software:
  - *Cisco SCE 2000 and SCE 1000 Software Configuration Guide*
  - *Cisco SCE 2000 and SCE 1000 CLI Command Reference*

Note You can access Cisco software configuration and hardware installation and maintenance documentation on the World Wide Web at Cisco Website URL. Translated documentation is available at the following URL: International Cisco Website

- For initial installation and startup information, refer to the *Cisco SCE 2000 4xGBE Quick Start Guide*.
- For international agency compliance, safety, and statutory information for wide-area network (WAN) interfaces for the SCE 1000 platform, refer to the 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 Service Control Management Suite Subscriber Manager User Guide*
  - *Cisco Service Control Management Suite 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 xiv
  - The Cisco Information Packet that shipped with your SCE 1000 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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