



Preface

This preface describes who should read the *Cisco Service Control Application for Broadband User Guide*, how it is organized, its document conventions, and how to obtain documentation and technical assistance.

This guide assumes a basic familiarity with the concept of the Service Control solution, the Service Control Engine (SCE) platforms, and related components.

Document Revision History

The Document Revision History below records changes to this document.

Revision	Cisco Service Control Release and Date	Change Summary
OL-7205-09	3.1.6 July, 2008	<ul style="list-style-type: none">• Minor correction regarding filter rules.
OL-7205-08	3.1.6 May, 2008	<ul style="list-style-type: none">• Minor changes throughout the guide.
OL-7205-07	3.1.5 November, 2007	Added the following new features: <ul style="list-style-type: none">• Configuration Wizards, page 4-17 See: <ul style="list-style-type: none">– How to Use the Usage Analysis Wizard, page 4-18– How to Use the P2P Traffic Optimization Wizards, page 4-29– How to Use the Reporter DB Configuration Wizard, page 4-45– How to Configure SCE and CM Devices Using a Wizard, page 5-8 <ul style="list-style-type: none">• DSCP ToS Classification (ToS is added as a flavor type, see Managing Flavors, page 7-44)• DSCP ToS Marking (see How to Manage DSCP ToS Marker Values, page 9-28)

Revision	Cisco Service Control Release and Date	Change Summary
OL-7205-05	3.1.0 May, 2007	<p>Added the following new features:</p> <ul style="list-style-type: none"> • Virtual Links (see Managing Virtual Links, page 9-44) • Asymmetric Routing Classification Mode, page 10-35 • NetFlow (see NetFlow records, page 8-2) • Quota Replenish Scatter, page 9-50 <p>Updated the following sections of the document</p> <ul style="list-style-type: none"> • Managing Bandwidth, page 9-30 • Information About the System Modes, page 10-34 • Managing Advanced Service Configuration Options, page 10-40
OL-7208-04	3.0.5 November, 2006	<p>Added the following new feature:</p> <ul style="list-style-type: none"> • The SCA BB Real-Time Monitoring Configuration Utility, page 13-5 <p>Updated the following sections of the document</p> <ul style="list-style-type: none"> • Quick Forwarding (see Filter Rule Actions, page 10-19 and Automatic Quick Forwarding of Media Flows, page 10-19)
OL-7205-03	3.0.3 May, 2006	<p>Added the following new features:</p> <ul style="list-style-type: none"> • Hitless Upgrade of the SLI, page 4-12 • Content Filtering (see Managing Content Filtering, page 7-53) • The Service Security Dashboard, page 10-1 <p>Removed the following deprecated feature:</p> <ul style="list-style-type: none"> • Attack Filtering and Subscription Notification

Revision	Cisco Service Control Release and Date	Change Summary
OL-7205-02	3.0.0 December, 2005	<p>Document name changed to <i>Cisco Service Control Application for Broadband User Guide</i>.</p> <p>Both the look-and-feel and the functionality of the Cisco Service Control Application for Broadband (SCA BB) Console were redesigned for release 3.0. Consequently, this document underwent a major rewrite. The major changes in this document are listed below.</p> <ul style="list-style-type: none"> • Appendixes B, C, D of the 2.5.5 release user guide were moved to a new document: the <i>Cisco Service Control Application for Broadband Reference Guide</i>. • Chapter 8 and Appendix A of the 2.5.5 release user guide were moved to a new document: the <i>Cisco Service Control Application Suite Reporter User Guide</i>. • The <i>Cisco Service Control Application Suite for Broadband Installation Guide</i> was deprecated; it forms the basis for part of the Getting Started chapter. • Chapter 5 of the 2.5.5 release user guide (<i>Constructing Service Configurations</i>) was completely rewritten and split into three chapters. • New chapters were added for the new tools included in the Console: the Network Navigator tool and the Signature Editor tool.
OL-7205-01	2.5.5 February, 2005	First version of this document (then named <i>Cisco Service Control Application Suite for Broadband User Guide</i>).

Organization

This guide contains the following sections:

Chapter	Description
Chapter 1, “Cisco Service Control Overview”	Provides a general overview of the Cisco Service Control solution.
Chapter 2, “System Overview”	Provides a functional overview of the Cisco Service Control solution.
Chapter 3, “Traffic Processing Overview”	Provides a technical overview of the Cisco Service Control solution.
Chapter 4, “Getting Started”	Guides you through the process of installing or upgrading SCA BB and describes the concept of the Console as a collection of tools.
Chapter 5, “Using the Network Navigator”	Explains how to use the Network Navigator to create a model of all devices that are part of the Cisco Service Control solution and how to manage the devices remotely.
Chapter 6, “Using the Service Configuration Editor”	Explains how to use the Service Configuration Editor to manage service configurations.

Chapter	Description
Chapter 7, “Using the Service Configuration Editor: Traffic Classification”	Explains how to configure service configurations to perform traffic classification.
Chapter 8, “Using the Service Configuration Editor: Traffic Accounting and Reporting”	Explains how to configure service configurations to perform traffic reporting.
Chapter 9, “Using the Service Configuration Editor: Traffic Control”	Explains how to configure service configurations to perform traffic control.
Chapter 10, “Using the Service Configuration Editor: Additional Options”	Documents additional, advanced options available in the Service Configuration Editor.
Chapter 11, “Using the Subscriber Manager GUI Tool”	Explains how to use the SM GUI tool to configure subscribers on the SCMS-SM database.
Chapter 12, “Using the Signature Editor”	Documents the Signature Editor tool, which can create files for updating protocols in SCA BB.
Chapter 13, “Additional Management Tools and Interfaces”	Documents and explains other tools that are available for use with SCA BB.

Related Publications

Use this *Cisco Service Control Application for Broadband User Guide* in conjunction with the following Cisco documentation:

- [Cisco Service Control Application for Broadband Reference Guide](#)
- [Cisco Service Control Application for Broadband Service Configuration API Programmer Guide](#)
- [Cisco Service Control Management Suite Collection Manager User Guide](#)
- [Cisco Service Control Management Suite Subscriber Manager User Guide](#)
- [Cisco Service Control Application Reporter User Guide](#)
- The SCE platform installation and configuration guides:
 - [Cisco SCE 1000 2xGBE Installation and Configuration Guide](#)
 - [Cisco SCE 2000 4xGBE Installation and Configuration Guide](#)
 - [Cisco SCE 2000 4/8xFE Installation and Configuration Guide](#)
- [Cisco Service Control Engine \(SCE\) CLI Command Reference](#)
- [Cisco Service Control Engine \(SCE\) Software Configuration Guide](#)

Conventions

This document uses the following 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.
<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**.

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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