



## About this Guide

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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-7205-11	3.5.0 January, 2011	Addition of information regarding traffic mirroring and blacklist URL database.
OL-7205-10	3.1.7 December, 2008	Changes to the default configuration. See <a href="#">Managing Advanced Service Configuration Options, page 10-43</a> .
OL-7205-09	3.1.6 July, 2008	Minor correction regarding filter rules.
OL-7205-08	3.1.6 May, 2008	Minor changes throughout the guide.
OL-7205-07	3.1.5 November, 2007	Added the following new features: <ul style="list-style-type: none"><li>• <a href="#">Configuration Wizards, page 4-24</a> See:<ul style="list-style-type: none"><li>– <a href="#">How to Use the Usage Analysis Wizard, page 4-25</a></li><li>– <a href="#">How to Use the P2P Traffic Optimization Wizards, page 4-37</a></li><li>– <a href="#">How to Use the Reporter DB Configuration Wizard, page 4-52</a></li><li>– <a href="#">How to Configure SCE and CM Devices Using a Wizard, page 5-7</a></li></ul></li><li>• DSCP ToS Classification (ToS is added as a flavor type, see <a href="#">Managing Flavors, page 7-45</a>)</li><li>• DSCP ToS Marking (see <a href="#">How to Manage DSCP ToS Marker Values, page 9-28</a>)</li></ul>

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"> <li>• Virtual Links (see <a href="#">Managing Virtual Links, page 9-52</a>)</li> <li>• <a href="#">Asymmetric Routing Classification Mode, page 10-41</a></li> <li>• NetFlow (see <a href="#">NetFlow records, page 8-2</a>)</li> <li>• <a href="#">Quota Replenish Scatter, page 9-58</a></li> </ul> <p>Updated the following sections of the document</p> <ul style="list-style-type: none"> <li>• <a href="#">Managing Bandwidth, page 9-29</a></li> <li>• <a href="#">Information About the System Modes, page 10-40</a></li> <li>• <a href="#">Managing Advanced Service Configuration Options, page 10-43</a></li> </ul>
OL-7208-04	3.0.5 November, 2006	<p>Added the following new feature:</p> <ul style="list-style-type: none"> <li>• <a href="#">The SCA BB Real-Time Monitoring Configuration Utility, page 13-3</a></li> </ul> <p>Updated the following sections of the document</p> <ul style="list-style-type: none"> <li>• Quick Forwarding (see <a href="#">Filter Rule Actions, page 10-19</a> and <a href="#">Automatic Quick Forwarding of Media Flows, page 10-20</a>)</li> </ul>
OL-7205-03	3.0.3 May, 2006	<p>Added the following new features:</p> <ul style="list-style-type: none"> <li>• <a href="#">Hitless Upgrade of the SLI, page 4-20</a></li> <li>• Content Filtering (see <a href="#">Managing Content Filtering, page 7-57</a>)</li> <li>• <a href="#">The Service Security Dashboard, page 10-1</a></li> </ul> <p>Removed the following deprecated feature:</p> <ul style="list-style-type: none"> <li>• Attack Filtering and Subscription Notification</li> </ul>

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"> <li>• 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>.</li> <li>• 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>.</li> <li>• 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.</li> <li>• Chapter 5 of the 2.5.5 release user guide (<i>Constructing Service Configurations</i>) was completely rewritten and split into three chapters.</li> <li>• New chapters were added for the new tools included in the Console: the Network Navigator tool and the Signature Editor tool.</li> </ul>
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:

Section	Title	Description
1	<a href="#">Cisco Service Control Overview, page 1-1</a>	Provides a general overview of the Cisco Service Control solution.
2	<a href="#">System Overview, page 2-1</a>	Provides a functional overview of the Cisco Service Control solution.
3	<a href="#">Traffic Processing Overview, page 3-1</a>	Provides a technical overview of the Cisco Service Control solution.
4	<a href="#">Getting Started, page 4-1</a>	Guides you through the process of installing or upgrading SCA BB and describes the concept of the Console as a collection of tools.
5	<a href="#">Using the Network Navigator, page 5-1</a>	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.
6	<a href="#">Using the Service Configuration Editor, page 6-1</a>	Explains how to use the Service Configuration Editor to manage service configurations.

Section	Title	Description
7	<a href="#">Using the Service Configuration Editor: Traffic Classification, page 7-1</a>	Explains how to configure service configurations to perform traffic classification.
8	<a href="#">Using the Service Configuration Editor: Traffic Accounting and Reporting, page 8-1</a>	Explains how to configure service configurations to perform traffic reporting.
9	<a href="#">Using the Service Configuration Editor: Traffic Control, page 9-1</a>	Explains how to configure service configurations to perform traffic control.
10	<a href="#">Using the Service Configuration Editor: Additional Options, page 10-1</a>	Documents additional, advanced options available in the Service Configuration Editor.
11	<a href="#">Using the Subscriber Manager GUI Tool, page 11-1</a>	Explains how to use the SM GUI tool to configure subscribers on the SCMS-SM database.
12	<a href="#">Using the Signature Editor, page 12-1</a>	Documents the Signature Editor tool, which can create files for updating protocols in SCA BB.
13	<a href="#">Additional Management Tools and Interfaces, page 13-1</a>	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 SCE8000 Installation and Configuration Guide](#)
- [Cisco SCE 2000 and SCE 1000 CLI Command Reference](#)
- [Cisco SCE8000 CLI Command Reference](#)
- [Cisco SCE 2000 and SCE 1000 Software Configuration Guide](#)
- [Cisco SCE8000 Software Configuration Guide](#)

# Conventions

This document uses the following 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.

## 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>

Subscribe to the *What's New in Cisco Product Documentation* as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS version 2.0.