



About this Guide

Revised: November 19, 2012, OL-8410-13

Introduction

This preface describes who should read the *Cisco Service Control Application for Broadband Reference 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 Cisco Service Control solution, the Service Control Engine (SCE) platforms, and related components.

This guide provides information about the data structures created and used by SCA BB. It is intended for:

- The administrator who is responsible for daily operation of the Cisco Service Control solution
- Integrators who are developing applications on top of SCA BB

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-8410-12	3.5.5 November 19, 2012	Updated Chapter 2, “Raw Data Records: Formats and Field Contents.”
OL-8410-12	3.5.5 February 4, 2011	Updated Information About Protocols, page 4.
OL-8410-12	3.5.5 July 26, 2010	Updated SERVICE_USAGE_COUNTER_ID global usage counter information and LINK_ID description information.
OL-8410-11	3.5.5 October 27, 2009	Added the “ Table RPT_VLUR ” section on page 4-15.
OL-8410-10	3.5.5 July 24, 2009	Updated document for Release 3.5.5. Updated Chapter 2, “Raw Data Records: Formats and Field Contents,” Chapter 5, “CSV File Formats,” and Chapter 6, “SCA BB Proprietary MIB Reference” .
OL-8410-09	3.5.0 January, 2009	Updated document for Release 3.5.0.
OL-8410-08	3.1.7 December, 2008	Changes to the default state of the following routing protocols: OSPF, BGP, IGRP, EIGRP, HSRP, and RIP. See Filter Rules, page 1-2.
OL-8410-07	3.1.6 May, 2008	Updated Default Service Configuration Reference Tables, page 1-1
OL-8410-06	3.1.5 November, 2007	Updated Default Service Configuration Reference Tables, page 1-1 Added the following new feature: <ul style="list-style-type: none"> • DSCP ToS Classification (see ToS CSV Files, page 5-5)
OL-8410-04	3.1.0 May, 2007	Added the following new features: <ul style="list-style-type: none"> • NetFlow (see NetFlow Records: Formats and Field Contents, page 3-1) • Virtual Links Usage RDR, page 2-37 (see also Table VLINK_INI, page 4-17) • Unidirectional Classification (see Protocols Identified on Unidirectional Flows, page 1-36)
OL-8410-03	3.0.5 November, 2006	Added the following new feature: <ul style="list-style-type: none"> • Quota State Restore RDRs, page 2-44

Table 1 Document Revision History (continued)

Revision	Cisco Service Control Release and Date	Change Summary
OL-8410-02	3.0.3 May, 2006	Added the following new feature: <ul style="list-style-type: none"> • Media Flow RDR, page 2-53 (see also Table RPT_MEDIA, page 4-9) Added the following section to the document: <ul style="list-style-type: none"> • SCE Subscriber Template CSV File, page 5-6
OL-8410-01	3.0.0 December, 2005	First version of this document. Chapters 1, 2, 3 of this document are based on Appendixes B, C, D of the Release 2.5.5 <i>Cisco Service Control Application for Broadband User Guide</i> .

Organization

This guide contains the following sections:

Table 2 **Document Organization**

Section	Title	Description
1	Default Service Configuration Reference Tables	Describes the default service configuration provided with the Cisco Service Control Application for Broadband (SCA BB).
2	Raw Data Records: Formats and Field Contents	Lists the various RDRs produced by the Service Control Engine (SCE) platform and gives their structure, describes the columns and fields of each RDR, and states under what conditions each kind of RDR is generated. Also provides field-content information for fields generated by Service Control components (such as tags), and a description of the Periodic RDR Zero Adjustment Mechanism.
3	NetFlow Records: Formats and Field Contents	Lists the RDRs whose data can be generated as NetFlow records and describes the fields that may be contained in a NetFlow record.
4	Database Tables: Formats and Field Contents	Presents the different database tables used for storing RDRs (after their conversion by an adapter), and a description of the table columns (field names and types).
5	CSV File Formats	Describes the location and structure of CSV files pertaining to service configuration, subscriber management, and data collection management.
6	SCA BB Proprietary MIB Reference	Describes that part of the Cisco SCE proprietary MIB that provides configuration and runtime status for SCA BB.

Related Publications

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

- [*Cisco Service Control Application for Broadband User Guide*](#)
- [*Cisco SCA BB 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 Installation and Configuration Guide*](#)
 - [*Cisco SCE8000 10GBE Software Configuration Guide*](#)
 - [*Cisco SCE8000 GBE Software Configuration Guide*](#)
- [*Cisco SCE 2000 and SCE 1000 CLI Command Reference*](#)
- [*Cisco SCE 2000 and SCE 1000 Software Configuration Guide*](#)
- [*Cisco SCE 8000 CLI Command Reference*](#)
- [*Cisco SCE8000 10GBE Installation and Configuration Guide*](#)
- [*Cisco SCE8000 GBE Installation and Configuration Guide*](#)

Conventions

This document uses the following conventions:

Table 3 **Document 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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