



Preface

Revised: November 28, 2013, OL-26872-05

Introduction

This preface describes the *Cisco Service Control Quota Manager 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 Cisco Service Control solution, the Cisco Service Control Engine (Cisco SCE) platforms, and related components.

The *Cisco Service Control Quota Manager User Guide* enables integration engineers and ISPs to police subscriber bandwidth usage over time by using quota management.

This document is for ISPs and system integrators who integrate the Cisco Service Control Application for Broadband (Cisco SCA BB) solution with external components belonging to a customer's ecosystem to provide a quota management solution.

The document assumes that the reader is familiar with the Cisco SCA BB solution.

Document Revision History

The following Document Revision History table records the changes made to this document.

Table 1 **Document Revision History**

Revision	Cisco Service Control Release and Date	Change Summary
OL-26872-05	Release 3.8.x November 28, 2013	Updated the following sections: <ul style="list-style-type: none"> • “Quota Preservation Across Subscriber Sessions” section on page 2-2. • “Configuring the Quota Profile Settings” section on page 3-3.
OL-26872-04	Release 3.8.x September 09, 2013	Updated the “Quota Breach” section on page 2-6.
OL-26872-04	Release 3.8.x February 25, 2013	Updated the following sections: <ul style="list-style-type: none"> • “Limitations” section on page 1-13 • “Quota Allocation Modes” section on page 1-12 • “Sliding Window Model” section on page 1-8
OL-26872-03	Release 3.8.5 December 21, 2012	Updated for Release 3.8.5. <ul style="list-style-type: none"> • Updated the “Quota Manager Functionality” section on page 1-3 for IPv6 traffic. • Added new limitations to the “Quota Replenishment” section on page 2-11. • Updated the “Configuring Cisco SCE for Quota Management Provisioning” section on page 3-24 with details on configuring the Cisco SCE to generate Session Creation RDR (SCR) during a package switch. • Added new parameters in the Quota Manger section of the “Configuring the Cisco Service Control Subscriber Manager” section on page 3-7. • Updated the limitations that are applicable while configuring multiple penalty quota profiles, in the “Configuring the Cisco Service Control Quota Manager in the Cisco Service Control Subscriber Manager” section on page 3-2.
OL-26872-02	Release 3.8.x November 05, 2012	Updated the Quota Management Overview chapter.
OL-26872-01	Release 3.8.x September 17, 2012	First version of this document (new for the Release 3.8.x train).

Organization

This guide contains the following sections.

Table 2 **Document Organization**

Section	Title	Description
Chapter 1	Quota Management Overview	Provides an overview of the Cisco Service Control solution and the advantages in applying quota management to the subscriber traffic consumption.
Chapter 2	Quota Management Scenarios	Provides an overview of the Cisco Service Control Quota Manager major functionality, components, interfaces, and integration models.
Chapter 3	Configuring the Quota Manager	Provides an introduction to ways to configure the Cisco Service Control Quota Manager.
Chapter 4	Using the Quota Manager Command-Line Utility	Provides a description and sample configurations illustrating the use of the Cisco Service Control Quota Manager solution in different integration models.

Related Documentation

Use this *Cisco Service Control Management Suite Quota Manager User Guide* in conjunction with the following Cisco documentation:

- [Cisco Service Control Management Suite Subscriber Manager User Guide](#)
- [Cisco Service Control Management Suite Service Control Engine Subscriber API Programmer Guide](#)
- [Cisco Service Control Application for Broadband User Guide](#)
- [Cisco Service Control Application for Broadband Service Configuration API Programmer 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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