



Preface

This document explains the SCMS SM C/C++ API and how to install, compile, and run the API.

The SCMS SM C/C++ API is used for updating, querying, and configuring the Subscriber Manager (SM). It consists of two parts, which may be used separately or together without restriction.

- SM Non-blocking C/C++ API: A high-performance API with low visibility to errors and other operation results. Supports automatic integrations with OSS/AAA systems.
SM Blocking C/C++ API: A more user-friendly API. Supports user interface applications for accessing and managing the SM.



Note

A set of APIs with exactly the same functionality is also available for the Java environment.

This guide is for the networking or computer technician responsible for configuring the Subscriber Manager. It is also intended for the operator who manages the SCE platforms.

Document Revision History

Cisco Service Control Release	Part Number	Publication Date
Release 3.1.5	OL-7203-06	November, 2007

Description of Changes

The mapping type VLAN is deprecated and is replaced by the mapping type VPN. See [Information About Network ID Mappings, page 7](#).

Release 3.1.0	OL-7203-05	May, 2007
---------------	------------	-----------

Description of Changes

Support for moving subscribers between domains. See [Subscriber Domains, page 8](#) and the [Parameters, page 5](#) section of the login method.

Updated [Subscriber Name Format, page 7](#).

Cisco Service Control Release	Part Number	Publication Date
	OL-7203-04	November, 2006

- [page 29](#) and [C++ init Method, page 5](#).
- Addition of the `setReconnectTimeout` method. See [setReconnectTimeout, page 32](#) and [setReconnectTimeout, page 6](#).

Cisco Service Control Release	Part Number	Publication Date
Release 3.0.3	OL-7203-03	May, 2006

Description of Changes

- Updated documentation for release 3.0.3.

Cisco Service Control Release	Part Number	Publication Date
Release 3.0	OL-7203-02	December, 2005

Description of Changes

- Reorganization of documentation. No major changes or new features were added to this revision.

Cisco Service Control Release	Part Number	Publication Date
Release 2.5.7	OL-7203-01	May, 2005

Description of Changes

This is the first version of this document.

Organization

Table 1-1 Document Organization

Chapter	Title	Description
	Getting Started, page 1	Describes the platforms on which the C/C++ API can be used, how to install, compile, and start running the C/C++ API component.
Chapter 2	General API Concepts, page 1	Provides a description of the various concepts that are used when working with the SM C/C++ API.

Document Organization (continued)

Related Publications

Conventions

Table 1-2 *Document Conventions*

boldface	boldface
<i>italic</i>	<i>italics</i>
[]	Elements in square brackets are optional.
{x y z}	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.
screen font	screen
boldface screen	boldface screen
<i>italic screen</i>	<i>italic screen</i>
<>	Nonprinting characters, such as passwords, are in angle brackets.

!, #	An exclamation point (!) or a pound sign (#) at the beginning of a line of code indicates a comment line.



Means *reader take note*

reader be careful

reader be warned

Obtaining Documentation and Submitting a Service Request

What's New in Cisco Product Documentation

What's New in Cisco Product Documentation