



Preface	v
Introduction	v
Document Revision History	v
Organization	v
Related Publications	vi
Conventions	vi
Obtaining Documentation and Submitting a Service Request	vii

CHAPTER 1

SCA BB Service Configuration API Overview	1-1
Introduction	1-1
Service Configurations	1-1
Service Configuration API	1-1
Service Configuration Management API	1-2
Service Configuration Management API Classes	1-2
Service Configuration Editing API	1-3
Service Configuration Editing API Data Types	1-3
Program Workflow Using the Service Configuration API	1-4

CHAPTER 2

Getting Started	2-1
Introduction	2-1
System Requirements	2-1
Installation Package	2-1
Distribution Content	2-2
Installing the Package	2-2
Compiling and Running the Service Configuration API	2-2
Running the Service Configuration API with Java Version 1.5	2-2
Service Control Engine Platform Setup	2-3
Cisco SCA BB Setup	2-3
Proprietary Remote Procedure Call Server	2-3

CHAPTER 3

Programming with the SCA BB Service Configuration API	3-1
Introduction	3-1
Service Configuration API Packages	3-1

- Package com.cisco.scabb.servconf.mgmt 3-2
- Class SCABB 3-2
 - Class SCABB Methods 3-2
 - login 3-2
 - login 3-3
 - logout 3-3
 - addNotificationListener 3-4
 - removeNotificationListener 3-4
 - getDefaultProtocolFamilies 3-4
- Class ConnectionApi 3-5
 - Class ConnectionApi Methods 3-5
 - isConnected 3-5
- Class ImportExportApi 3-5
 - Class ImportExportApi Constructor 3-5
 - ImportExportApi 3-5
 - Class ImportExportApi Methods 3-5
 - exportServiceConfiguration 3-6
 - importServiceConfiguration 3-7
 - importFlavors 3-7
 - importFlavors 3-8
 - importFlavorsFromEasyFormat 3-8
 - importHttpRefererFlavorsFromEasyFormat 3-8
 - importZones 3-9
 - importZones 3-9
 - importZonesFromEasyFormat 3-9
 - importProtocols 3-10
 - importProtocols 3-10
 - importServices 3-10
 - importServices 3-11
 - exportProtocols 3-11
 - exportProtocols 3-12
 - exportZones 3-12
 - exportZones 3-12
 - exportZonesToEasyFormat 3-13
 - exportFlavors 3-13
 - exportFlavors 3-13
 - exportFlavorsToEasyFormat 3-14
 - exportServices 3-14
 - exportServices 3-15

loadListArray	3-15
Class ServiceConfigApi	3-15
Class ServiceConfigApi Methods	3-15
applyServiceConfiguration	3-16
applyServiceConfiguration	3-16
applyServiceConfiguration	3-17
retrieveServiceConfiguration	3-18
updateValuesIni	3-18
updateValuesIni	3-19
validateServiceConfiguration	3-19
importServConf	3-19
exportServConf	3-20
importDefaultServConf	3-20
Class ServiceConfig	3-21
Class ServiceConfig Methods	3-21
getCalendarList	3-21
getClassificationCfg	3-22
getDynamicSignatureScript	3-22
getPackageList	3-22
getPolicySettings	3-22
getProtocolList	3-23
getProtocolRedirectIndexNameArray	3-23
getProtocolRedirectString	3-23
getRealTimeFrameName	3-24
getServiceList	3-24
getSubNotifications	3-24
getTimeFrameNames	3-24
getProtocolRedirectString	3-25
getZoneList	3-25
isProtocolRedirectable	3-25
setProtocolRedirectString	3-26
setProtocolRedirectString	3-26
setTimeFrameName	3-27
setTimeFrameName	3-27
setTimeFrameNames	3-28
Service Configuration API Programming Guidelines	3-28
Connections to the SCE Platform	3-28
Service Configuration API Code Examples	3-28
Applying a Service Configuration	3-28

Updating Zones Automatically 3-30

Listing Names of Services and Packages 3-33

CHAPTER 4

Logging and Troubleshooting 4-1

Introduction 4-1

Service Configuration API Client Logging 4-1