



# Preface

Welcome to the *Software Developer Guide for Cisco Secure Access Control System 5.8.1!*

This document provides details about the interfaces that Cisco Secure Access Control System (ACS) offers that you can use to interact with external customer-developed applications.

This includes several web services for application access and scriptable access for bulk provisioning using the command-line interface (CLI). It also allows you to create a replica of the Monitoring and Troubleshooting database for application development.

## Audience

This guide is intended for software engineers and programmers who create custom applications to interact with ACS. The software engineers and programmers must be familiar with:

- Web Services Description Language (WSDL) File
- Web Application Description Language (WADL) File
- Web Services Tools
- REST Services Tools

## How This Guide Is Organized

[Table 1 on page 1](#) describes the contents of each chapter in this document.

**Table 1 Organization**

S.No	Title	Description
1	<a href="#">Overview, page 1</a>	Provides an overview of the ACS 5.8.1 features in the form of web services. It also gives CLI commands that you can use in your custom applications to interact with ACS.
2	<a href="#">Using the UCP Web Service, page 1</a>	Describes the User Change Password web service, the methods that it provides, and how you can use it in your application.
3	<a href="#">Using the Monitoring and Report Viewer Web Services, page 1</a>	Describes the web services that the Monitoring and Report Viewer component of ACS provides, and it also explains how to use these web services in your application.
4	<a href="#">Using the Configuration Web Services, page 1</a>	Describes the Configuration Web Services, the CRUD methods that it provides, and explains how to use it in your application.
5	<a href="#">Using the Scripting Interface, page 1</a>	Describes the scripting interface that ACS provides. This interface allows you to perform bulk create, update, and delete operations on various ACS objects.
6	<a href="#">Monitoring and Report Viewer Database Schema, page 1</a>	Provides the Monitoring and Report Viewer database schema that allows you to create custom reporting applications.

## Conventions

Table 2 on page 2 describes the conventions followed in this document.

**Table 2 Conventions**

Convention	Description
<b>bold font</b>	Commands and keywords.
<i>italic font</i>	Variables for which you supply values.
[ ]	Keywords or arguments that appear within square brackets are optional.
{x   y   z }	A choice of required keywords appears in braces separated by vertical bars. You must select one.
[ x   y   z ]	Optional alternative keywords are grouped in brackets separated by vertical bars.
string	Nonquoted set of characters. Do not use quotation marks around the string or the string will include the quotation marks.
<code>courier font</code>	Examples of information displayed on the screen.
<b><code>courier font</code></b>	Examples of information you must enter.
< >	Nonprinting characters, such as passwords, appear in angle brackets.
[ ]	Default responses to system prompts appear 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*. Notes contain helpful suggestions or references to material not covered in the manual.

**Note:** Means *the described action saves time*. You can save time by performing the action described in the paragraph.

## Documentation Updates

**Table 3 Updates to the Software Developer's Guide for Cisco Secure Access Control System 5.8.1**

Date	Description
3/21/2016	Cisco Secure Access Control System Release 5.8.1.

## Related Documentation

Table 4 on page 3 lists a set of related technical documentation available on Cisco.com. To find end-user documentation for all products on Cisco.com, go to:

<http://www.cisco.com/go/techdocs>

**Note:** It is possible for the printed and electronic documentation to be updated after original publication. Therefore, you should also review the documentation on [Cisco.com](http://www.cisco.com) for any updates.

**Table 4 Product Documentation**

Document Title	Available Formats
<i>Cisco Secure Access Control System In-Box Documentation and China RoHS Pointer Card</i>	<a href="http://www.cisco.com/c/en/us/support/security/secure-access-control-system/products-documentation-roadmaps-list.html">http://www.cisco.com/c/en/us/support/security/secure-access-control-system/products-documentation-roadmaps-list.html</a>
<i>Migration Guide for Cisco Secure Access Control System 5.8.1</i>	<a href="http://www.cisco.com/c/en/us/support/security/secure-access-control-system/products-installation-guides-list.html">http://www.cisco.com/c/en/us/support/security/secure-access-control-system/products-installation-guides-list.html</a>
<i>User Guide for Cisco Secure Access Control System 5.8.1</i>	<a href="http://www.cisco.com/c/en/us/support/security/secure-access-control-system/products-user-guide-list.html">http://www.cisco.com/c/en/us/support/security/secure-access-control-system/products-user-guide-list.html</a>
<i>CLI Reference Guide for Cisco Secure Access Control System 5.8.1</i>	<a href="http://www.cisco.com/c/en/us/support/security/secure-access-control-system/products-command-reference-list.html">http://www.cisco.com/c/en/us/support/security/secure-access-control-system/products-command-reference-list.html</a>
<i>Supported and Interoperable Devices and Software for Cisco Secure Access Control System 5.8.1</i>	<a href="http://www.cisco.com/c/en/us/support/security/secure-access-control-system/products-device-support-tables-list.html">http://www.cisco.com/c/en/us/support/security/secure-access-control-system/products-device-support-tables-list.html</a>
<i>Installation and Upgrade Guide for Cisco Secure Access Control System 5.8.1</i>	<a href="http://www.cisco.com/c/en/us/support/security/secure-access-control-system/products-installation-guides-list.html">http://www.cisco.com/c/en/us/support/security/secure-access-control-system/products-installation-guides-list.html</a>
<i>Release Notes for Cisco Secure Access Control System 5.8.1</i>	<a href="http://www.cisco.com/c/en/us/support/security/secure-access-control-system/products-release-notes-list.html">http://www.cisco.com/c/en/us/support/security/secure-access-control-system/products-release-notes-list.html</a>
<i>Regulatory Compliance and Safety Information for Cisco Secure Access Control System</i>	<a href="http://www.cisco.com/c/en/us/td/docs/net_mgmt/cisco_secure_access_control_system/5-6/regulatory/compliance/csacsrcsi.html">http://www.cisco.com/c/en/us/td/docs/net_mgmt/cisco_secure_access_control_system/5-6/regulatory/compliance/csacsrcsi.html</a>

## 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.

