



## Preface

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**Published: February 18, 2013**

This document describes the data migration process from Cisco Secure Access Control System (ACS) Releases 3.x and 4.x to Cisco Secure ACS Release 5.4. ACS 5.4 provides many new features and functionality.

There are several differences between ACS 3.x and 4.x and ACS 5.4 platforms. You should clearly understand these differences before attempting to migrate to ACS 5.4. This document highlights these differences and provides guidance on how to migrate your ACS 3.x and 4.x configuration to ACS 5.4.

In addition to understanding the information in this document, Cisco recommends that you perform a thorough evaluation of the ACS 5.x platform.

## Audience

This guide is for administrators who want to migrate to the ACS 5.4 platform.

## Organization

This guide includes the following sections:

Title	Description
<a href="#">Chapter 1, “ACS 5.4 Deployment Overview”</a>	Provides an overview of the ACS 5.4 deployment model in comparison with ACS 3.x and 4.x.
<a href="#">Chapter 2, “Understanding ACS 5.4 Configuration”</a>	Explains the configuration areas in ACS 5.4 in comparison with ACS 3.x and 4.x, to help understand how older configurations can be converted to ACS 5.4.
<a href="#">Chapter 3, “Configuration Migration Methods in ACS 5.4”</a>	Describes different methods to migrate the configuration from existing systems to ACS 5.4.
<a href="#">Chapter 4, “ACS 5.4 Migration Utility Support”</a>	Describes the scope of migration using the Migration Utility.
<a href="#">Chapter 5, “Migration Utility Setup and Installation”</a>	Describes system requirements, preinstallation considerations, and how to access the Migration Utility.
<a href="#">Chapter 6, “Using the Migration Utility to Migrate Data from ACS 4.x to ACS 5.4”</a>	Describes the data migration process in various phases using the Migration Utility.

Title	Description
<a href="#">Appendix A, “ACS 5.4 Attribute Support in the Migration Utility”</a>	Describes attribute migration from ACS 4.x to ACS 5.4.
<a href="#">Appendix B, “Configuration Mapping from ACS 3.x and 4.x to ACS 5.4”</a>	Provides configuration mapping from ACS 3.x and 4.x to ACS 5.4
<a href="#">Appendix C, “Feature Comparison of ACS 3.x and 4.x with ACS 5.4”</a>	Provides detailed feature comparison of ACS 3.x and 4.x to ACS 5.4
<a href="#">Appendix D, “Troubleshooting the Migration Utility”</a>	Describes how to troubleshoot the Migration Utility.

## How to Use this Document

The following chapters and appendices contain instructions to migrate to ACS 5.4 from earlier releases:

- See [Appendix C, “Feature Comparison of ACS 3.x and 4.x with ACS 5.4”](#) to ensure that all the key features for your deployment are met in ACS 5.4.
- See [Chapter 1, “ACS 5.4 Deployment Overview”](#) to understand the ACS 5.4 system level details such as platform support, the distributed deployment model, and system interfaces.
- See [Chapter 2, “Understanding ACS 5.4 Configuration”](#) to understand the key functional and configuration differences in ACS 5.4, and for specific configuration recommendations and examples.
- See [Chapter 3, “Configuration Migration Methods in ACS 5.4”](#) to understand the approaches for migrating an existing configuration.

## Conventions

This document uses the following conventions:

Convention	Indication
<b>bold font</b>	Commands, keywords, and user-entered text appear in <b>bold font</b> .
<i>italic font</i>	Document titles, new or emphasized terms, and arguments for which you supply values are in <i>italic font</i> .
[ ]	Square brackets can indicate one of the following: <ul style="list-style-type: none"> <li>An optional element.</li> <li>Default responses to system prompts.</li> </ul>
{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.
<code>courier font</code>	Terminal sessions and information the system displays appear in <code>courier font</code> .
< >	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.



### Note

Means *reader take note*. Notes contain helpful suggestions or references to material not covered in the manual.

## Documentation Updates

[Table 1](#) lists the updates to the *Migration Guide for Cisco Secure Access Control System 5.4*.

**Table 1** Updates to the *Migration Guide for Cisco Secure Access Control System 5.4*

Date	Description
10/30/2012	Updated the guide with Cisco 3415 Secure Access Control System information.
10/23/2012	Cisco Secure Access Control System, Release 5.4.

## Product Documentation



### 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 for any updates.

Table 2 lists the product documentation that is available for ACS 5.4. To find end-user documentation for all the products on Cisco.com, go to: <http://www.cisco.com/go/techdocs>

Select **Products > Security > Access Control and Policy > Policy and Access Management > Cisco Secure Access Control System**.

**Table 2** 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/en/US/products/ps9911/products_documentation_roadmaps_list.html">http://www.cisco.com/en/US/products/ps9911/products_documentation_roadmaps_list.html</a>
<i>Release Notes for Cisco Secure Access Control System 5.4</i>	<a href="http://www.cisco.com/en/US/products/ps9911/prod_release_notes_list.html">http://www.cisco.com/en/US/products/ps9911/prod_release_notes_list.html</a>
<i>User Guide for Cisco Secure Access Control System 5.4</i>	<a href="http://www.cisco.com/en/US/products/ps9911/products_user_guide_list.html">http://www.cisco.com/en/US/products/ps9911/products_user_guide_list.html</a>
<i>CLI Reference Guide for Cisco Secure Access Control System 5.4</i>	<a href="http://www.cisco.com/en/US/products/ps9911/prod_command_reference_list.html">http://www.cisco.com/en/US/products/ps9911/prod_command_reference_list.html</a>
<i>Supported and Interoperable Devices and Software for Cisco Secure Access Control System 5.4</i>	<a href="http://www.cisco.com/en/US/products/ps9911/products_device_support_tables_list.html">http://www.cisco.com/en/US/products/ps9911/products_device_support_tables_list.html</a>
<i>Installation and Upgrade Guide for Cisco Secure Access Control System 5.4</i>	<a href="http://www.cisco.com/en/US/products/ps9911/prod_installation_guides_list.html">http://www.cisco.com/en/US/products/ps9911/prod_installation_guides_list.html</a>
<i>Software Developer's Guide for Cisco Secure Access Control System 5.4</i>	<a href="http://www.cisco.com/en/US/products/ps9911/products_programming_reference_guides_list.html">http://www.cisco.com/en/US/products/ps9911/products_programming_reference_guides_list.html</a>
<i>Regulatory Compliance and Safety Information for Cisco Identity Services Engine, Cisco 1121 Secure Access Control System, Cisco NAC Appliance, Cisco NAC Guest Server, and Cisco NAC Profiler</i>	<a href="http://www.cisco.com/en/US/docs/net_mgmt/cisco_secure_access_control_system/5.1/regulatory/compliance/csacsrcsi.html">http://www.cisco.com/en/US/docs/net_mgmt/cisco_secure_access_control_system/5.1/regulatory/compliance/csacsrcsi.html</a>

## Related Documentation



### 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 for any updates.

Table 3 lists the related documentation that is available for ACS 4.x.

**Table 3** Related Documentation

Document Title	Available Formats
<i>Installation Guide for Cisco Secure ACS for Windows 4.0</i>	<a href="http://www.cisco.com/en/US/products/sw/secursw/ps2086/prod_installation_guides_list.html">http://www.cisco.com/en/US/products/sw/secursw/ps2086/prod_installation_guides_list.html</a>
<i>User Guide for Cisco Secure Access Control Server for Windows 4.0</i>	<a href="http://www.cisco.com/en/US/products/sw/secursw/ps2086/products_user_guide_list.html">http://www.cisco.com/en/US/products/sw/secursw/ps2086/products_user_guide_list.html</a>

**Table 3**      **Related Documentation (continued)**

<b>Document Title</b>	<b>Available Formats</b>
<i>Installation Guide for Cisco Secure ACS for Windows 4.x</i>	<a href="http://www.cisco.com/en/US/products/sw/secursw/ps2086/prod_installation_guides_list.html">http://www.cisco.com/en/US/products/sw/secursw/ps2086/prod_installation_guides_list.html</a>
<i>User Guide for Cisco Secure Access Control Server for Windows 4.1</i>	<a href="http://www.cisco.com/en/US/products/sw/secursw/ps2086/products_user_guide_list.html">http://www.cisco.com/en/US/products/sw/secursw/ps2086/products_user_guide_list.html</a>
<i>Installation Guide for Cisco Secure ACS for Windows 4.2</i>	<a href="http://www.cisco.com/en/US/products/sw/secursw/ps2086/prod_installation_guides_list.html">http://www.cisco.com/en/US/products/sw/secursw/ps2086/prod_installation_guides_list.html</a>
<i>User Guide for Cisco Secure Access Control Server for Windows 4.2</i>	<a href="http://www.cisco.com/en/US/products/sw/secursw/ps2086/products_user_guide_list.html">http://www.cisco.com/en/US/products/sw/secursw/ps2086/products_user_guide_list.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.

