



## Preface

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**Last Update: February 2, 2012**

This guide describes how to use Cisco Secure Access Control System (ACS) 5.1.

## Audience

This guide is for security administrators who use ACS, and who set up and maintain network and application security.

## Document Organization

This guide contains the following chapters:

- [Chapter 1, “Introducing ACS 5.1”](#)
- [Chapter 2, “Migrating from ACS 4.x to ACS 5.1”](#)
- [Chapter 3, “ACS 5.x Policy Model”](#)
- [Chapter 4, “Common Scenarios Using ACS”](#)
- [Chapter 5, “Understanding My Workspace”](#)
- [Chapter 6, “Post-Installation Configuration Tasks”](#)
- [Chapter 7, “Managing Network Resources”](#)
- [Chapter 8, “Managing Users and Identity Stores”](#)
- [Chapter 9, “Managing Policy Elements”](#)
- [Chapter 10, “Managing Access Policies”](#)
- [Chapter 11, “Monitoring and Reporting in ACS”](#)
- [Chapter 12, “Managing Alarms”](#)
- [Chapter 13, “Managing Reports”](#)
- [Chapter 14, “Troubleshooting ACS with the Monitoring & Report Viewer”](#)
- [Chapter 15, “Managing System Operations and Configuration in the Monitoring & Report Viewer”](#)
- [Chapter 16, “Managing System Administrators”](#)
- [Chapter 17, “Configuring System Operations”](#)

- Chapter 18, “Managing System Administration Configurations”
- Chapter 19, “Understanding Logging”
- Appendix A, “AAA Protocols”
- Appendix B, “Authentication in ACS 5.1”

**Note**

We sometimes update the printed and electronic documentation after original publication. Therefore, you should also review the documentation on [Cisco.com](http://Cisco.com) for any updates.

## Document Conventions

This guide uses the convention whereby the symbol ^ represents the key labeled *Control*. For example, the key combination ^z means hold down the **Control** key while you press the **z** key.

Command descriptions use these conventions:

- Examples that contain system prompts denote interactive sessions, indicating the commands that you should enter at the prompt. The system prompt indicates the current level of the EXEC command interpreter. For example, the prompt `Router>` indicates that you should be at the *user* level, and the prompt `Router#` indicates that you should be at the *privileged* level. Access to the privileged level usually requires a password.
- Commands and keywords are in **boldface** font.
- Arguments for which you supply values are in *italic* font.
- Elements in square brackets ([ ]) are optional.
- Alternative keywords of which you must choose one are grouped in braces ({} ) and separated by vertical bars (|).

Examples use these conventions:

- Terminal sessions and sample console screen displays are in *screen* font.
- Information you enter is in **boldface screen** font.
- Nonprinting characters, such as passwords, are in angle brackets (< >).
- Default responses to system prompts are in square brackets ([ ]).
- An exclamation point (!) at the beginning of a line indicates a comment line.

**Caution**

Means *reader be careful*. You are capable of doing something that might 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.

**Note**

Means *reader take note*. Notes identify important information that you should reflect upon before continuing, contain helpful suggestions, or provide references to materials not contained in the document.

# Documentation Updates

Table 1 lists the updates to the *User Guide for the Cisco Secure Access Control System 5.1*.

**Table 1** Updates to the User Guide for the Cisco Secure Access Control System 5.1

Date	Description
02/02/2012	Fixed the bug CSCtw41634 by adding a note at the end of the section <a href="#">Configuring an AD Identity Store</a> .
6/2/2011	Updated the “RSA SecurID Server” section on page 8-46.
1/19/2011	Added “TACACS+ Command Sets” section on page 9-35.
11/25/2010	Updated “Configuring an AD Identity Store” section on page 8-42 for the bug CSCtj62342.
11/24/2010	Updated “Manual PAC Provisioning” section on page B-23 for the bug CSCtj42714.
09/08/2010	Added “Machine Access Restrictions” section on page 8-40.
08/24/2010	Updated Chapter 11, “Monitoring and Reporting in ACS” with supported syslog messages.
08/20/2010	Updated the following sections: <ul style="list-style-type: none"> <li>• <a href="#">Leveraging Cisco NAC Profiler as an External MAB Database</a>, page 8-31.</li> <li>• <a href="#">Understanding Distributed Deployment</a>, page 17-1.</li> </ul>
08/16/2010	Updated the description of Username in <a href="#">Table 8-10</a> .
07/01/2010	Updated the following sections: <ul style="list-style-type: none"> <li>• <a href="#">Create an Agent Record (sdconf.rec)</a>, page 8-47</li> <li>• <a href="#">Creating and Editing RSA SecurID Token Servers</a>, page 8-48</li> </ul>
06/14/2010	Added a note in the “Microsoft AD” section on page 8-38.
06/07/2010	Updated the document for the following bugs: <ul style="list-style-type: none"> <li>• CSCth12870</li> <li>• CSCth12958</li> </ul>
06/03/2010	Updated the transport used for port numbers in “ <a href="#">Understanding Distributed Deployment</a> ” section on page 17-1.
04/12/2010	Updated the description of Username in <a href="#">Table 8-10</a> .
03/10/2010	Added a note on joining the AD domain in “ <a href="#">Configuring an AD Identity Store</a> ” section on page 8-42.
02/22/2010	Added a note stating that no TAC support is available for modified python scripts in the “ <a href="#">Downloading Sample Python Scripts</a> ” section on page 18-43.
01/04/2010	Added information on ports that need to be opened in order to allow ACS to communicate with AD in <a href="#">Chapter 8, “Managing Users and Identity Stores.”</a>
11/30/2009	Added information on how to configure NADs to send syslog messages to the Monitoring & Report Viewer in <a href="#">Chapter 11, “Monitoring and Reporting in ACS”.</a>
11/11/2009	Cisco Secure Access Control System, Release 5.1.

## Related Documentation

Table 1 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

We sometimes update the printed and electronic documentation after original publication. Therefore, you should also review the documentation on [Cisco.com](http://www.cisco.com) for any updates.

**Table 2**      **Related Documentation**

Document	Location on Cisco.com
<i>Supported and Interoperable Devices and Software Tables for the Cisco Secure Access Control System 5.1.</i>	<a href="http://www.cisco.com/en/US/docs/net_mgmt/cisco_secure_access_control_system/5.1/device_support/sdt51.html">http://www.cisco.com/en/US/docs/net_mgmt/cisco_secure_access_control_system/5.1/device_support/sdt51.html</a>
<i>Regulatory Compliance and Safety Information for Cisco 1121 Secure Access Control System 5.1 and Cisco NAC Appliance 4.7</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>
<i>Release Notes for the Cisco Secure Access Control System 5.1</i>	<a href="http://www.cisco.com/en/US/docs/net_mgmt/cisco_secure_access_control_system/5.1/release/notes/acs_51_rn.html">http://www.cisco.com/en/US/docs/net_mgmt/cisco_secure_access_control_system/5.1/release/notes/acs_51_rn.html</a>
<i>Installation and Upgrade Guide for the Cisco Secure Access Control System 5.1</i>	<a href="http://www.cisco.com/en/US/docs/net_mgmt/cisco_secure_access_control_system/5.1/installation/guide/acs5_1_install_guide.html">http://www.cisco.com/en/US/docs/net_mgmt/cisco_secure_access_control_system/5.1/installation/guide/acs5_1_install_guide.html</a>
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<i>CLI Reference Guide for the Cisco Secure Access Control System 5.1</i>	<a href="http://www.cisco.com/en/US/docs/net_mgmt/cisco_secure_access_control_system/5.1/command/reference/acs5_1_cli.html">http://www.cisco.com/en/US/docs/net_mgmt/cisco_secure_access_control_system/5.1/command/reference/acs5_1_cli.html</a>
<i>Software Developer's Guide for the Cisco Secure Access Control System 5.1</i>	<a href="http://www.cisco.com/en/US/docs/net_mgmt/cisco_secure_access_control_system/5.1/sdk/sdkguide.html">http://www.cisco.com/en/US/docs/net_mgmt/cisco_secure_access_control_system/5.1/sdk/sdkguide.html</a>
<i>Migration Guide for the Cisco Secure Access Control System 5.1</i>	<a href="http://www.cisco.com/en/US/docs/net_mgmt/cisco_secure_access_control_system/5.1/migration/guide/Migration_Book.html">http://www.cisco.com/en/US/docs/net_mgmt/cisco_secure_access_control_system/5.1/migration/guide/Migration_Book.html</a>
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