



# Preface

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## Audience

This guide is for security administrators who use Cisco Secure Access Control Server (ACS), and who set up and maintain network and application security.

## Organization

This document contains:

- [Chapter 1, “Overview of ACS Configuration”](#)—Provides an overview of ACS configuration, including a summary of configuration steps and configuration flowchart that show the sequence of configuration steps.
- [Chapter 2, “Deploy the Access Control Servers”](#)—Describes factors to consider when deploying ACS, including the access type, network topology, and whether database synchronization and replication are required.
- [Chapter 3, “Configuring New Features in ACS 4.2”](#)—Describes how to configure the most important new features in ACS 4.2.
- [Chapter 4, “Using RDBMS Synchronization to Create dACLs and Specify Network Configuration”](#)—Describes how to configure new RDBMS synchronization features in ACS 4.2 and run RDBMS Sync remotely on the ACS Solution Engine.
- [Chapter 5, “Password Policy Configuration Scenario”](#)—Describes how to configure Sarbanes-Oxley (SOX) support when adding administrators.
- [Chapter 6, “Agentless Host Support Configuration Scenario”](#)—Describes how to configure ACS for agentless host support (MAC authentication bypass).
- [Chapter 7, “PEAP/EAP-TLS Configuration Scenario”](#)—Describes how to configure ACS for PEAP/EAP-TLS support.
- [Chapter 8, “Syslog Logging Configuration Scenario”](#)—Describes how to configure ACS to log syslog messages.
- [Chapter 9, “NAC Configuration Scenario”](#)—Describes how to configure ACS in a Cisco Network Admission Control (NAC) and Microsoft Network Access Protection (NAP) environment.
- [“Glossary”](#)—Lists common terms used in ACS.

# Conventions

This document uses the following conventions:

Item	Convention
Commands, keywords, special terminology, and options that should be selected during procedures	<b>boldface font</b>
Variables for which you supply values and new or important terminology	<i>italic font</i>
Displayed session and system information, paths and file names	screen font
Information you enter	<b>boldface screen font</b>
Variables you enter	<i>italic screen font</i>
Menu items and button names	<b>boldface font</b>
Indicates menu items to select, in the order you select them.	<b>Option &gt; Network Preferences</b>



## Tip

Identifies information to help you get the most benefit from your product.



## 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.



## Caution

Means *reader be careful*. In this situation, you might do something that could result in equipment damage, loss of data, or a potential breach in your network security.



## Warning

**Identifies information that you must heed to prevent damaging yourself, the state of software, or equipment. Warnings identify definite security breaches that will result if the information presented is not followed carefully.**

# Product Documentation



## Note

We sometimes update the printed and electronic documentation after original publication. Therefore, you should also review the documentation on Cisco.com for any updates.

[Table 1](#) describes the product documentation that is available.

**Table 1 ACS 4.2 Documentation**

<b>Document Title</b>	<b>Available Formats</b>
<i>Documentation Guide for Cisco Secure ACS Release 4.2</i>	<ul style="list-style-type: none"> <li>Shipped with product.</li> <li>PDF on the product CD-ROM.</li> <li>On Cisco.com:  <a href="http://www.cisco.com/en/US/docs/net_mgmt/cisco_secure_access_control_server_for_windows/4.2/roadmap/DGuide42.html">http://www.cisco.com/en/US/docs/net_mgmt/cisco_secure_access_control_server_for_windows/4.2/roadmap/DGuide42.html</a> </li> </ul>
<i>Release Notes for Cisco Secure ACS Release 4.2</i>	<ul style="list-style-type: none"> <li>On Cisco.com:  <a href="http://www.cisco.com/en/US/docs/net_mgmt/cisco_secure_access_control_server_for_windows/4.2/release/notes/ACS42_RN.html">http://www.cisco.com/en/US/docs/net_mgmt/cisco_secure_access_control_server_for_windows/4.2/release/notes/ACS42_RN.html</a> </li> </ul>
<i>Configuration Guide for Cisco Secure ACS Release 4.2</i>	<ul style="list-style-type: none"> <li>On Cisco.com:  <a href="http://www.cisco.com/en/US/docs/net_mgmt/cisco_secure_access_control_server_for_windows/4.2/configuration/guide/acs42_config_guide.html">http://www.cisco.com/en/US/docs/net_mgmt/cisco_secure_access_control_server_for_windows/4.2/configuration/guide/acs42_config_guide.html</a> </li> </ul>
<i>Installation Guide for Cisco Secure ACS for Windows Release 4.2</i>	<ul style="list-style-type: none"> <li>On Cisco.com:  <a href="http://www.cisco.com/en/US/docs/net_mgmt/cisco_secure_access_control_server_for_windows/4.2/installation/guide/windows/IGwn42.html">http://www.cisco.com/en/US/docs/net_mgmt/cisco_secure_access_control_server_for_windows/4.2/installation/guide/windows/IGwn42.html</a> </li> </ul>
<i>Installation Guide for Cisco Secure ACS Solution Engine Release 4.2</i>	<ul style="list-style-type: none"> <li>On Cisco.com:  <a href="http://www.cisco.com/en/US/docs/net_mgmt/cisco_secure_access_control_server_for_solution_engine/4.2/installation/guide/solution_engine/SE42.html">http://www.cisco.com/en/US/docs/net_mgmt/cisco_secure_access_control_server_for_solution_engine/4.2/installation/guide/solution_engine/SE42.html</a> </li> </ul>
<i>Regulatory Compliance and Safety Information for the Cisco Secure ACS Solution Engine Release 4.2</i>	<ul style="list-style-type: none"> <li>Shipped with product.</li> <li>PDF on the product CD-ROM.</li> <li>On Cisco.com:  <a href="http://www.cisco.com/en/US/docs/net_mgmt/cisco_secure_access_control_server_for_solution_engine/4.2/regulatory/compliance/RCSI_42.html">http://www.cisco.com/en/US/docs/net_mgmt/cisco_secure_access_control_server_for_solution_engine/4.2/regulatory/compliance/RCSI_42.html</a> </li> </ul>
<i>Installation and Configuration Guide for Cisco Secure ACS Remote Agents Release 4.2</i>	<ul style="list-style-type: none"> <li>On Cisco.com:  <a href="http://www.cisco.com/en/US/docs/net_mgmt/cisco_secure_access_control_server_for_solution_engine/4.2/installation/guide/remote_agent/RA42.html">http://www.cisco.com/en/US/docs/net_mgmt/cisco_secure_access_control_server_for_solution_engine/4.2/installation/guide/remote_agent/RA42.html</a> </li> </ul>
<i>Supported and Interoperable Devices and Software Tables for Cisco Secure ACS Solution Engine Release 4.2</i>	<ul style="list-style-type: none"> <li>On Cisco.com:  <a href="http://www.cisco.com/en/US/docs/net_mgmt/cisco_secure_access_control_server_for_windows/4.2/device/guide/sdt42.html">http://www.cisco.com/en/US/docs/net_mgmt/cisco_secure_access_control_server_for_windows/4.2/device/guide/sdt42.html</a> </li> </ul>
<i>Installation and User Guide for Cisco Secure ACS User-Changeable Passwords 4.2</i>	<ul style="list-style-type: none"> <li>On Cisco.com:  <a href="http://www.cisco.com/en/US/docs/net_mgmt/cisco_secure_access_control_server_for_windows/4.2/installation/guide/user_passwords/ucpNW42.html">http://www.cisco.com/en/US/docs/net_mgmt/cisco_secure_access_control_server_for_windows/4.2/installation/guide/user_passwords/ucpNW42.html</a> </li> </ul>

Table 1 ACS 4.2 Documentation (continued)

Document Title	Available Formats
<i>Troubleshooting Guide for Cisco Secure Access Control Server</i>	<ul style="list-style-type: none"> <li>On <a href="http://www.cisco.com">Cisco.com</a></li> </ul> <a href="http://www.cisco.com/en/US/docs/net_mgmt/cisco_secure_access_control_server_for_windows/4.2/trouble/guide/ACSTrbG42.html">http://www.cisco.com/en/US/docs/net_mgmt/cisco_secure_access_control_server_for_windows/4.2/trouble/guide/ACSTrbG42.html</a>
Online Documentation	In the ACS HTML interface, click <b>Online Documentation</b> .
Online Help	In the ACS HTML interface, online help appears in the right-hand frame when you are configuring a feature.

## Related Documentation



### Note

We sometimes update the printed and electronic documentation after original publication. Therefore, you should also review the documentation on Cisco.com for any updates.

A set of white papers about ACS are available on Cisco.com at:

<http://www.cisco.com/warp/public/cc/pd/sqsw/sq/tech/index.shtml>

For information on Network Admission Control, various NAC components, and ACS see:

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

## 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>

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This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (<http://www.openssl.org/>).

This product includes cryptographic software written by Eric Young (eay@cryptsoft.com).

This product includes software written by Tim Hudson (tjh@cryptsoft.com).

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