



## About This Guide

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## Audience

This guide is for network administrators who are implementing the Cisco NAC Appliance solution to manage and secure their networks. Cisco NAC Appliance comprises the Clean Access Manager (CAM) administration appliance, Clean Access Server (CAS) enforcement appliance, and Agent end-user client software. Use this document along with the *Cisco NAC Appliance Hardware Installation Guide, Release 4.9(x)* and *Cisco NAC Appliance - Clean Access Manager Configuration Guide, Release 4.9(x)* to install, configure, and administer your Cisco NAC Appliance deployment.

## Purpose

The *Cisco NAC Appliance - Clean Access Server Configuration Guide, Release 4.9(x)* describes how to configure the Clean Access Server to implement the Cisco NAC Appliance solution on your network for Cisco NAC Appliance, Releases 4.9(2), 4.9(3), 4.9(4), and 4.9(5). The Clean Access Server is the enforcement server between the untrusted and trusted sides of a Cisco NAC Appliance network. This guide provides additional information specific to the Clean Access Server, such as how to configure DHCP, configure your deployment to work with AD SSO, and perform CAS-specific (local) configuration tasks.

See [Product Documentation](#) for further details on the document set for Cisco NAC Appliance.

# Document Organization

**Table 1**      **Document Organization**

<b>Chapter</b>	<b>Description</b>
Chapter 1, “Introduction”	Provides a high-level overview of the Cisco NAC Appliance solution
Chapter 2, “Planning Your Deployment”	Discusses planning considerations for deploying the software
Chapter 3, “Configuring Layer 3 Out-of-Band (L3 OOB)”	Provides a general overview of the configuration needed for Layer 3 Out-of-Band deployment
Chapter 4, “Configuring the CAS Managed Network”	Describes how to set up the Clean Access Server’s managed domain
Chapter 5, “Configuring DHCP”	Describes how to configure each of the DHCP modes of the Clean Access Server
Chapter 6, “Integrating with Cisco VPN Concentrators”	Describes the configuration required to integrate the Clean Access Server with Cisco VPN Concentrators
Chapter 7, “Local Traffic Control Policies”	Describes how to set up traffic filtering rules in the Clean Access Server
Chapter 8, “Configuring Active Directory Single Sign-On (AD SSO)”	Describes how to configure Active Directory (AD) Single Sign-On (SSO) for the Cisco NAC Appliance
Chapter 9, “Local Authentication Settings”	Describes Authentication tab settings in the Clean Access Server management pages
Chapter 10, “Local Certified and Floating Devices”	Describes local settings that can be configured at the Clean Access Server level for Clean Access implementation
Chapter 11, “Administering CAS Certificates, Time, and Support Logs”	Describes Clean Access Server (CAS) administration
Appendix B, “Open Source License Acknowledgements”	Contains Open Source License information for Cisco products

# Document Conventions

**Table 2**      **Document Conventions**

<b>Item</b>	<b>Convention</b>
Indicates command line output.	Screen font
Indicates information you enter.	<b>Boldface screen font</b>
Indicates variables for which you supply values.	<i>Italic screen font</i>

**Table 2 Document Conventions**

Item	Convention
Indicates web administrator console modules, menus, tabs, links and submenu links.	<b>Boldface font</b>
Indicates a menu item to be selected.	<b>Administration &gt; User Pages</b>

## New Features in this Release

For a brief summary of the new features and enhancements available in this release refer to [Documentation Updates](#) and the “New and Changed Information” section of the [Release Notes for Cisco NAC Appliance](#) corresponding to your latest Cisco NAC Appliance release version.

## Product Documentation

This section lists documents are available for Cisco NAC Appliance on Cisco.com at the following URL:  
[http://www.cisco.com/en/US/products/ps6128/tsd\\_products\\_support\\_series\\_home.html](http://www.cisco.com/en/US/products/ps6128/tsd_products_support_series_home.html)



To access external URLs referenced in this document, right-click the link in Adobe Acrobat and select “Open in Weblink in Browser.”

**Table 3 Cisco NAC Appliance Document Set**

Document Title	Refer to This Document For Information On:
<a href="#">Cisco NAC Appliance Service Contract/Licensing Support</a>	<ul style="list-style-type: none"> <li>Obtaining and installing product licenses</li> <li>Information on service contracts, ordering and RMA</li> </ul>
<a href="#">Support Information for Cisco NAC Appliance Agents, Release 4.5 and Later</a>	<ul style="list-style-type: none"> <li>Agent System Requirements, Agent/Server Version Compatibility, Agent/OS/Browser Support Matrix, Agent/AD Server Compatibility for AD SSO, and Agent Localized Language Template Support</li> </ul>
<a href="#">Cisco NAC Appliance Switch and Wireless LAN Controller Support</a>	<ul style="list-style-type: none"> <li>Which switches and NMEs support OOB deployment</li> <li>Known issues/troubleshooting for switches and WLCs</li> </ul>
<a href="#">Getting Started with Cisco NAC Network Modules in Cisco Access Routers</a>	<ul style="list-style-type: none"> <li>Installing or upgrading the Clean Access Server (CAS) software on the Cisco NAC network module (NME-NAC-K9)</li> </ul>
<a href="#">Connecting Cisco Network Admission Control Network Modules</a>	<ul style="list-style-type: none"> <li>Connecting Cisco NAC network module (NME-NAC-K9) in an Integrated Services Router</li> </ul>

**Table 3 Cisco NAC Appliance Document Set**

<b>Document Title</b>	<b>Refer to This Document For Information On:</b>
<i>Cisco NAC Appliance FIPS Card Field-Replaceable Unit Installation Guide</i>	<ul style="list-style-type: none"> <li>• Provides instructions to upgrade your existing Cisco NAC-3310, NAC-3350, and NAC-3390 with a field-replaceable FIPS card necessary to introduce FIPS compliance in your network</li> </ul>
<i>Release Notes for Cisco NAC Appliance</i>	<p>Details on the latest 4.9(x) release, including:</p> <ul style="list-style-type: none"> <li>• New features and enhancements</li> <li>• Fixed caveats</li> <li>• Upgrade instructions</li> <li>• Supported AV/AS product charts</li> <li>• CAM/CAS/Agent compatibility and version information</li> </ul>
<i>Cisco NAC Appliance Hardware Installation Guide, Release 4.9(x)</i>	<p>Details on CAM/CAS installation topics:</p> <ul style="list-style-type: none"> <li>• Hardware specifications on the various CAM/CAS platforms</li> <li>• How to install the Clean Access Manager and Clean Access Server Platforms</li> <li>• How to install Cisco NAC Appliance software on the CASM/CAS</li> <li>• How to configure CAM and CAS pairs for High Availability</li> </ul>
<i>Cisco NAC Appliance - Clean Access Manager Configuration Guide, Release 4.9(x)</i>	<p>Complete CAM details, including:</p> <ul style="list-style-type: none"> <li>• Overviews of major concepts and features of Cisco NAC Appliance</li> <li>• How to use the CAM web console to perform global configuration of Cisco NAC Appliance (applying to all CASs in the deployment)</li> </ul>
<i>Cisco NAC Appliance - Clean Access Server Configuration Guide, Release 4.9(x)</i>	<p>CAS-specific details, including:</p> <ul style="list-style-type: none"> <li>• Where to deploy the CAS on the network (general information)</li> <li>• How to perform local (CAS-specific) configuration using the CAS management pages of the CAM web console, or the CAS direct access console.</li> </ul>

# Documentation Updates

**Table 4**      **Updates to Cisco NAC Appliance - Clean Access Server Configuration Guide, Release 4.9(x)**

Date	Description
03/09/15	Release 4.9(5) <ul style="list-style-type: none"><li>• Updated <a href="#">System Upgrade, page 38</a></li><li>• Updated Release 4.9(5) screenshots as appropriate</li></ul>
02/10/14	Release 4.9(4) <ul style="list-style-type: none"><li>• Updated <a href="#">System Upgrade, page 38</a></li><li>• Updated Release 4.9(4) screenshots as appropriate</li></ul>
06/28/13	Release 4.9(3) <ul style="list-style-type: none"><li>• Updated <a href="#">System Upgrade, page 38</a></li><li>• Updated Release 4.9(3) screenshots as appropriate</li></ul>
11/27/12	Release 4.9(2)

## Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, using the Cisco Bug Search Tool (BST), submitting a service request, and gathering additional information, see *What's New in Cisco Product Documentation* at: <http://www.cisco.com/c/en/us/td/docs/general/whatsnew/whatsnew.html>.

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