



About the Documentation

This documentation describes the Cisco 4700 Series Application Control Engine Appliance Device Manager (ACE Appliance Device Manager) and explains how to use it to manage your network.

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Audience

This documentation is intended for experienced system and network administrators. Depending on the configuration required, readers should have specific knowledge in the following areas:

- Networking and data communications
- Network security
- Router configuration

Organization

This documentation contains the following sections:

- [Chapter 1, “Overview”](#) contains an summary of ACE features and the ACE Appliance Device Manager interface, terms, and getting started configuration information.
- [Chapter 2, “Configuring Virtual Contexts”](#) describes how to configure virtual contexts on the ACE appliance so that you can effectively and efficiently manage and allocate resources, users, and services.
- [Chapter 3, “Configuring Load Balancing”](#) provides an overview of server load balancing and procedures for configuring load balancing on the ACE appliance.

- [Chapter 4, “Configuring SSL”](#) describes the SSL configuration process and details the procedures for configuring SSL on the ACE appliance.
- [Chapter 5, “Configuring Network Access”](#) includes information about configuring virtual context VLAN interfaces, port channel interfaces, and gigabit Ethernet interfaces.
- [Chapter 6, “Configuring High Availability”](#) contains an overview of the redundancy feature and explains how to configure high available.
- [Chapter 7, “Configuring Traffic Policies”](#) describes how to configure class maps and policy maps to provide a global level of classification for filtering traffic received by or passing through the ACE appliance.
- [Chapter 8, “Configuring Application Acceleration and Optimization”](#) describes how to configure application acceleration and optimization options on the ACE appliance.
- [Chapter 9, “Monitoring Your Network”](#) allows you to monitor key areas of system usage.
- [Chapter 10, “Managing the ACE Appliance”](#) describes the administrative tools that manage the ACE appliance.
- [Chapter 11, “Using ACE Appliance Device Manager Troubleshooting Tools”](#) describes the administrator-only diagnostic tools to help troubleshoot ACE appliance management problems.
- [“Glossary”](#) defines some of the terms used in this document.

Related Documentation

In addition to this documentation, the ACE documentation set includes the following:

Table 1 Cisco 4710 Application Control Engine Documentation

Document Title	Description
<i>Release Note for the Cisco 4700 Series Application Control Engine Appliance</i>	Provides information about operating considerations, caveats, and command-line interface (CLI) commands for the ACE.
<i>Cisco 4710 Application Control Engine Appliance Hardware Installation Guide</i>	Provides information for installing the ACE 4710 appliance.
<i>Regulatory Compliance and Safety Information for the Cisco 4710 Application Control Engine Appliance</i>	Regulatory compliance and safety information for the ACE appliance.
<i>Cisco 4700 Series Application Control Engine Appliance CLI Quick Configuration Note</i>	Describes how to use the ACE appliance CLI to perform the initial setup and VIP load-balancing configuration tasks.
<i>Cisco 4700 Series Application Control Engine Appliance Device Manager GUI Quick Configuration Note</i>	Describes how to use the ACE Appliance Device Manager GUI to perform the initial setup and VIP load-balancing configuration tasks.

Table 1 Cisco 4710 Application Control Engine Documentation (continued)

Document Title	Description
<p><i>Cisco 4700 Series Application Control Engine Appliance Administration Guide</i></p>	<p>Describes how to perform the following administration tasks on the ACE:</p> <ul style="list-style-type: none"> • Setting up the ACE appliance • Establishing remote access • Managing software licenses • Configuring class maps and policy maps • Managing the ACE software • Configuring SNMP • Configuring redundancy • Configuring the XML interface • Upgrading the ACE software
<p><i>Cisco 4700 Series Application Control Engine Appliance Virtualization Configuration Guide</i></p>	<p>Describes how to operate your ACE appliance in a single context or in multiple contexts.</p>
<p><i>Cisco 4700 Series Application Control Engine Appliance Routing and Bridging Configuration Guide</i></p>	<p>Describes how to configure the following routing and bridging tasks on the ACE:</p> <ul style="list-style-type: none"> • Ethernet ports • VLAN interfaces • Routing • Bridging • Dynamic Host Configuration Protocol (DHCP).
<p><i>Cisco 4700 Series Application Control Engine Appliance Server Load-Balancing Configuration Guide</i></p>	<p>Describes how to configure the following server load-balancing tasks on the ACE:</p> <ul style="list-style-type: none"> • Real servers and server farms • Class maps and policy maps to load-balance traffic to real servers in server farms • Server health monitoring (probes) • Stickiness • Firewall load balancing • TCL scripts

Table 1 Cisco 4710 Application Control Engine Documentation (continued)

Document Title	Description
<i>Cisco 4700 Series Application Control Engine Appliance Security Configuration Guide</i>	Describes how to perform following ACE security configuration tasks: <ul style="list-style-type: none"> • Security access control lists (ACLs) • User authentication and accounting using a Terminal Access Controller Access Control System + (TACACS+), Remote Authentication Dial-In User Service (RADIUS), or Lightweight Directory Access Protocol (LDAP) server • Application protocol and HTTP deep packet inspection • TCP/IP normalization and termination parameters • Network address translation (NAT)
<i>Cisco 4700 Series Application Control Engine Appliance Application Acceleration and Optimization Configuration Guide</i>	Describes the configuration of the application acceleration and optimization features of the ACE appliance. It also provides an overview and description of these features.
<i>Cisco 4700 Series Application Control Engine Appliance SSL Configuration Guide</i>	Describes how to configure the following Secure Sockets Layer (SSL) tasks on the ACE: <ul style="list-style-type: none"> • SSL certificates and keys • SSL initiation • SSL termination • End-to-end SSL
<i>Cisco 4700 Series Application Control Engine Appliance System Message Guide</i>	Describes how to configure system message logging on the ACE appliance. This guide also lists and describes the system log (syslog) messages generated by the ACE appliance.
<i>Cisco 4700 Series Application Control Engine Appliance Command Reference</i>	Provides an alphabetical list and descriptions of all CLI commands by mode, including syntax, options, and related commands.

Conventions

This documentation uses the following conventions:

Item	Convention
Commands and keywords	boldface font
Variables for which you supply values	<i>italic font</i>
Displayed session and system information	screen font
Information you enter	boldface screen font
Variables you enter	<i>italic screen font</i>

Item	Convention
Menu items and button names	boldface font
Selecting a menu item in paragraphs	Option > Network Preferences
Selecting a menu item in tables	Option > Network Preferences

**Note**

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

**Caution**

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

Obtaining Documentation, Obtaining Support, and Security Guidelines

For information on obtaining documentation, obtaining support, providing documentation feedback, security guidelines, and also recommended aliases and general Cisco documents, 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>

Open-Source Software Included in Cisco 4700 Series Application Control Engine Appliance Device Manager

- Cisco 4700 Series Application Control Engine Appliance Device Manager includes the following open-source software, which is covered by the Apache 2.0 license (<http://www.apache.org/>): Ant, Apache Axis, Avalon Logkit, Commons, Ehcache, Globus Toolkit, Jetty, Log4J, Oro, Tomcat.
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- Cisco 4700 Series Application Control Engine Appliance Device Manager includes the following open-source software, which is covered by the GNU Lesser General Public License Version 2.1 (<http://www.gnu.org/licenses/lgpl.html>): c3p0-0.9.0.2.jar, Enterprise DT, Jasperreports 1.2, Jcommon 1.2, Jfreechart 1.0.1

- Cisco 4700 Series Application Control Engine Appliance Device Manager includes the following open-source software, which is covered by the Mozilla Public License Version 1.1 (<http://www.mozilla.org/MPL/MPL-1.1.html>): Itext 1.4.

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The following acknowledgements pertain to this software license.

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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).

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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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The implementation was written so as to conform with Netscapes SSL.

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