



Preface

This guide provides the following information:

- The command-line interface (CLI) for the Cisco 4700 Series Application Control Engine (ACE) appliance and how to use the CLI.
- The CLI commands, including syntax, options, and related commands.

This preface contains the following major sections:

- [Audience](#)
- [How to Use This Guide](#)
- [Related Documentation](#)
- [Symbols and Conventions](#)
- [Obtaining Documentation, Obtaining Support, and Security Guidelines](#)
- [Open Source License Acknowledgements](#)

Audience

This guide is intended for the following trained and qualified service personnel who are responsible for configuring the ACE:

- Web master
- System administrator
- System operator

How to Use This Guide

This guide is organized alphabetically by command mode, as follows:

| Chapter | Description |
|---|--|
| Chapter 1, Using the Command-Line Interface | Describes how to use the command-line interface (CLI) on the ACE. |
| Chapter 2, CLI Commands | Provides detailed information for the following types of CLI commands for the ACE: <ul style="list-style-type: none"> • Commands that you can enter after you log in to the ACE. • Configuration mode commands that allow you to access global configuration mode and its subset of modes after you log in to the ACE. |

Related Documentation

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

| 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 Application Control Engine Appliance Hardware Installation Guide</i> | Provides information for installing the ACE appliance. |
| <i>Regulatory Compliance and Safety Information for the Cisco Application Control Engine Appliance</i> | Regulatory compliance and safety information for the ACE appliance. |
| <i>Cisco ACE 4700 Series Application Control Engine Appliance CLI Quick Configuration Note</i> | Describes how to use the ACE 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 Device Manager GUI to perform the initial setup and VIP load-balancing configuration tasks. |

| Document Title | Description |
|---|---|
| <i>Cisco 4700 Series Application Control Engine Appliance Administration Guide</i> | <p>Describes how to perform the following administration tasks on the ACE:</p> <ul style="list-style-type: none"> • Setting up the ACE • 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 |
| <i>Cisco 4700 Series Application Control Engine Appliance Virtualization Configuration Guide</i> | <p>Describes how to operate your ACE in a single context or in multiple contexts.</p> |
| <i>Cisco 4700 Series Application Control Engine Appliance Routing and Bridging Configuration Guide</i> | <p>Describes how to perform the following routing and bridging tasks on the ACE:</p> <ul style="list-style-type: none"> • Configuring Ethernet ports • Configuring VLAN interfaces • Configuring routing • Configuring bridging • Configuring Dynamic Host Configuration Protocol (DHCP) |
| <i>Cisco 4700 Series Application Control Engine Appliance Server Load-Balancing Configuration Guide</i> | <p>Describes how to configure the following server load-balancing features 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 |
| <i>Cisco 4700 Series Application Control Engine Appliance Application Acceleration and Optimization Configuration Guide</i> | <p>Describes the configuration of the application acceleration and optimization features of the ACE. It also provides an overview and description of those features.</p> |

| Document Title | Description |
|--|---|
| <i>Cisco 4700 Series Application Control Engine Appliance Security Configuration Guide</i> | Describes how to configure the following ACE security features: <ul style="list-style-type: none"> • Security access control lists (ACLs) • User authentication and accounting using a Terminal Access Controller Access Control System Plus (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 SSL Configuration Guide</i> | Describes how to configure the following Secure Sockets Layer (SSL) features 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 Device Manager GUI Configuration Guide</i> | Describes how to use the Device Manager GUI, which resides in flash memory on the ACE, to provide a browser-based interface for configuring and managing the appliance. |
| <i>Cisco CSS-to-ACE Conversion Tool User Guide</i> | Describes how to use the CSS-to-ACE conversion tool to migrate Cisco Content Services Switches (CSS) running-configuration or startup-configuration files to the ACE. |

Symbols and Conventions

This publication uses the following conventions:

| Convention | Description |
|----------------------|---|
| boldface font | Commands, command options, and keywords are in boldface . Bold text also indicates a command in a paragraph. |
| <i>italic font</i> | Arguments for which you supply values are in <i>italics</i> . Italic text also indicates the first occurrence of a new term, book title, emphasized text. |
| { } | Encloses required arguments and keywords. |
| [] | Encloses optional arguments and keywords. |
| { 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. |

| Convention | Description |
|-----------------------------|--|
| screen font | Terminal sessions and information the system displays are in <code>screen font</code> . |
| boldface screen font | Information you must enter in a command line is in boldface screen font . |
| <i>italic screen font</i> | Arguments for which you supply values are in <i>italic screen font</i> . |
| ^ | The symbol ^ represents the key labeled Control—for example, the key combination ^D in a screen display means hold down the Control key while you press the D key. |
| < > | Nonprinting characters, such as passwords are in angle brackets. |

Notes use the following conventions:



Note

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

Cautions use the following conventions:



Caution

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

Warnings use the following conventions:



Warning

Means **possible physical harm or equipment damage**. A warning describes an action that could cause you physical harm or damage the equipment.

For additional information about CLI syntax formatting, see [Chapter 1, Using the Command-Line Interface](#).

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>

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