CHAPTER 2

Cisco WAAS Software Command Summary

This chapter summarizes the Cisco WAAS 4.0.19 software commands.

Table 2-1 lists the WAAS commands (alphabetically) and indicates the command mode for each command. The commands used to access configuration modes are marked with an asterisk. Commands that do not indicate a particular mode are EXEC mode commands. The same command may have different effects when entered in a different command mode, so they are listed and documented separately. (See Chapter 1, "Using the WAAS Command-Line Interface" for a discussion about using CLI command modes.)

In Table 2-1, in the Device Mode column "All" indicates that the particular CLI command is supported in both central manager mode and application accelerator mode.

Note When viewing this reference online, click the name of the command in the left column of the table to jump to the command page, which provides the command syntax, examples, and usage guidelines.

Throughout this book, the term WAAS device refers collectively to a WAAS Central Manager and a WAE. The term WAE refers collectively to the supported WAE platforms that are running the WAAS software.

Table 2-1 Command Summary

Command	Description	CLI Mode	Device Mode
(config) aaa accounting	Configures AAA accounting.	global configuration	All
(config) adapter	Enables the EndPoint Mapper (EPM) service.	global configuration	application accelerator
(config) alarm overload-detect	Configures the detection of alarm overload.	global configuration	All
(config) asset	Configures the tag name for the asset tag string.	global configuration	All
(config) authentication	Configures administrative login authentication and authorization parameters.	global configuration	All
(config) auto-register	Enables the discovery of a primary interface on a WAE and its automatic registration with the WAAS Central Manager through DHCP.	global configuration	application accelerator
(config-if) autosense	Sets the current interface to autosense.	interface configuration	All

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
(config-if) bandwidth	Sets the specified interface bandwidth to 10, 100, or 1000 Mbps.	interface configuration	All
(config) banner	Configures message-of-the-day, login, login and EXEC banners.	global configuration	All
(config) bypass	Configures the bypass functions on a WAE.	global configuration	application accelerator
cd	Changes the directory.	user-level EXEC and privileged-level EXEC	All
(config) cdp	Enables the Cisco Discovery Protocol (CDP) for the WAAS device.	global configuration	All
(config-if) cdp	Enables CDP on an interface.	interface configuration	All
(config) central-manager	In application accelerator mode, used to specify the IP address of the WAAS Central Manager with which the WAE needs to register. In central manager mode, used to specify the WAAS Central Manager's role and GUI port number.	global configuration	All
cifs	Controls CIFS adapter operations and run-time configurations.	user-level EXEC and privileged-level EXEC	application accelerator
clear	Resets the counters and other specified functions.	privileged-level EXEC	All
clock	Manages the system clock.	privileged-level EXEC	All
(config) clock	Sets the summer daylight saving time of day and time zone.	global configuration	All
cms	Configures the parameters for the Centralized Management System (CMS) embedded database.	privileged-level EXEC	All
(config) cms	Schedules the maintenance and enables the Centralized Management System on a specific WAAS device.	global configuration	All
cms secure-store	Configures the data encryption strength used when disk encryption is enabled.	privileged-level EXEC	All
configure*	Enters configuration mode from privileged EXEC mode.	privileged-level EXEC	All
copy cdrom	Copies files from a CD-ROM.	privileged-level EXEC	All
copy compactflash	Copies files from the Compact Flash card.	privileged-level EXEC	All
copy disk	Copies configuration information or files from a disk.	privileged-level EXEC	All
copy ftp	Copies files from an FTP server.	privileged-level EXEC	All
copy http	Copies files from an HTTP server.	privileged-level EXEC	All
copy running-config	Copies information from the current system configuration.	privileged-level EXEC	All

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
copy startup-config	Copies information from the startup configuration.	privileged-level EXEC	All
copy sysreport	Copies system troubleshooting information.	privileged-level EXEC	All
copy system-status	Copies the system status for debugging reference.	privileged-level EXEC	All
copy tech-support	Copies system information for technical support.	privileged-level EXEC	All
copy tftp	Copies the software image from the TFTP server.	privileged-level EXEC	All
cpfile	Copies a file to the current directory.	user-level EXEC and privileged-level EXEC	All
debug	Configures the debugging options. **Note** The following **debug** options are supported only in the application accelerator device mode: **dre**, **epm**, **print-spooler**, **tfo**, **wafs**, and **wccp**.	privileged-level EXEC	All
(config-std-nacl) delete	Deletes a line from the standard ACL	standard ACL configuration	All
(config-ext-nacl) delete	Deletes a line from the extended ACL	extended ACL configuration	All
delfile	Deletes a file.	user-level EXEC and privileged-level EXEC	All
deltree	Deletes a directory and its subdirectories.	user-level EXEC and privileged-level EXEC	All
(config-std-nacl) deny	Adds a line to a standard access-list that specifies the type of packets that you want the WAAS device to drop.	standard ACL configuration	All
(config-ext-nacl) deny	Adds a line to an extended access-list that specifies the type of packets that you want the WAAS device to drop.	extended ACL configuration	All
(config) device mode	Specifies the device mode of the WAAS device.	global configuration	All
dir	Displays the files in long list format.	user-level EXEC and privileged-level EXEC	All
disable	Turns off the privileged EXEC commands.	privileged-level EXEC	All
disk	Configures the disks on the WAAS device.	privileged-level EXEC	All
(config) disk disk-name	Disables a RAID-1 disk for online removal.	global configuration	All
(config) disk encrypt enable	Enables disk encryption.	global configuration	application accelerator
(config) disk error-handling	Configures how the disk errors should be handled.	global configuration	All

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
dnslookup	Resolves a DNS hostname.	user-level EXEC and privileged-level EXEC	All
(config) egress-method	Configures the egress method for intercepted connections.	global configuration	application accelerator
enable*	Accesses the privileged EXEC commands.	user-level EXEC	All
(config) end	Exits configuration and privileged EXEC modes.	global configuration	All
(config) exec-timeout	Configures the length of time that an inactive Telnet or SSH session remains open.	global configuration	All
exit	Exits from privileged EXEC mode.	privileged-level EXEC	All
(config) exit	Exits from global configuration mode.	global configuration	All
(config-if) exit	Exits from interface configuration mode.	interface configuration	All
(config-std-nacl) exit	Exits from standard ACL configuration mode.	standard ACL configuration	All
(config-ext-nacl) exit	Exits from extended ACL configuration mode.	extended ACL configuration	All
(config) external-ip	Configures up to a maximum of eight external IP addresses on a WAE.	global configuration	application accelerator
find-pattern	Searches for a particular pattern in a file.	privileged-level EXEC	All
(config) flow monitor	Configures network traffic flow monitoring.	global configuration	application accelerator
(config-if) full-duplex	Sets the current interface to the full-duplex mode.	interface configuration	All
(config-if) half-duplex	Sets the current interface to half-duplex mode.	interface configuration	All
(config-if) inline	Configures inline interception for an inlineGroup interface.	interface configuration	All
help	Provides assistance for the WAAS command-line interface in EXEC mode.	user-level EXEC and privileged-level EXEC	All
(config) help	Provides assistance for the WAAS command-line interface.	global configuration	All
(config) hostname	Configures the hostname of the WAAS device in global configuration mode.	global configuration	All
(config) inetd enable	Enables FTP, RCP, and TFTP services.	global configuration	All
install	Installs a new image into Flash memory.	privileged-level EXEC	All
(config) interface*	Configures a Gigabit Ethernet, Port Channel, or Standby interface. Provides access to interface configuration mode.	global configuration	All

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
(config) ip	Configures the initial network device configuration settings (for example, the IP address of the default gateway) on a WAAS device.	global configuration	All
(config-if) ip	Configures the IP address, subnet mask, or DHCP IP address negotiation on the interface of the WAAS device.	interface configuration	All
(config-if) ip access-group	Controls the connections on a specific interface by applying a predefined access list.	interface configuration	All
(config) ip access-list*	Creates and modifies the access lists for controlling access to interfaces or applications. Provides access to ACL configuration mode.	global configuration	All
(config) kerberos	Configures user authentication against a Kerberos database.	global configuration	All
(config) kernel kdb	Enables the kernel debugger configuration mode.	global configuration	All
less	Displays the contents of a file using the LESS application.	user-level EXEC and privileged-level EXEC	All
(config) line	Specifies the terminal line settings.	global configuration	All
(config-std-nacl) list	Displays a list of specified entries within the standard ACL	standard ACL configuration	All
(config-ext-nacl) list	Displays a list of specified entries within the extended ACL	extended ACL configuration	All
lls	Displays the files in a long list format.	user-level EXEC and privileged-level EXEC	All
(config) logging	Configures system logging (syslog).	global configuration	All
ls	Lists the files and subdirectories in a directory.	user-level EXEC and privileged-level EXEC	All
mkdir	Makes a directory.	user-level EXEC and privileged-level EXEC	All
mkfile	Makes a file (for testing).	user-level EXEC and privileged-level EXEC	All
(config-std-nacl) move	Moves a line to a new position within the standard ACL	standard ACL configuration	All
(config-ext-nacl) move	Moves a line to a new position within the extended ACL	extended ACL configuration	All
(config-if) mtu	Sets the interface Maximum Transmission Unit (MTU) packet size.	interface configuration	All
(config) no	Negates a global configuration command or sets its defaults.	global configuration	All

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
(config-if) no	Negates an interface command or restores it to its default values.	interface configuration	All
(config) ntp	Configures the NTP server.	global configuration	All
ntpdate	Sets the NTP server name.	privileged-level EXEC	All
(config-std-nacl) permit	Adds a line to a standard access-list that specifies the type of packets that you want the WAAS device to permit for further processing.	standard ACL configuration	All
(config-ext-nacl) permit	Adds a line to an extended access-list that specifies the type of packets that you want the WAAS device to permit for further processing.	extended ACL configuration	All
ping	Sends the echo packets.	user-level EXEC and privileged-level EXEC	All
(config) policy-engine application classifier	Defines a WAE's application policy and assigns the policy a name, a classifier, and a policy map.	global configuration	application accelerator
(config) policy-engine application map adaptor EPM	Configures a WAE's application policy with advanced policy map lists of the EndPoint Mapper (EPM) service.	global configuration	application accelerator
(config) policy-engine application map adaptor WAFS transport	Configures a WAE's application policies with the WAFS transport option.	global configuration	application accelerator
(config) policy-engine application map basic delete	Deletes a specific basic (static) application policy map from the WAE's list of application policy maps.	global configuration	application accelerator
(config) policy-engine application map basic disable	Disables a specific basic (static) application policy map from the WAE's list of application policy maps.	global configuration	application accelerator
(config) policy-engine application map basic insert	Inserts new basic (static) application policy map to the list of application policy maps on a WAE.	global configuration	application accelerator
(config) policy-engine application map basic list	Displays a list of basic (static) application policy maps for a WAE.	global configuration	application accelerator
(config) policy-engine application map basic move	Moves the application policy with the basic policy map list based on L3 or L4 parameters only.	global configuration	application accelerator
(config) policy-engine application map basic name	Configures the WAE's application policy with the basic policy map name.	global configuration	application accelerator
(config) policy-engine application map other optimize DRE	Configures the WAE's **optimize DRE** command action for non-classified traffic.	global configuration	application accelerator

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
(config) policy-engine application map other optimize full	Configures the application policy for non-classified traffic with the **optimize full** command action.	global configuration	application accelerator
(config) policy-engine application map other pass-through	Configures the application policy for non-classified traffic with the **pass-through** command action.	global configuration	application accelerator
(config) policy-engine application name	Creates a new application definition that specifies general information about an application.	global configuration	application accelerator
(config) policy-engine config	Removes all of the application policy configuration or restores the application policy factory defaults on a WAE.	global configuration	application accelerator
(config) port-channel	Configures the Port Channel load-balancing options.	global configuration	All
(config) primary-interface	Configures a primary interface for the WAAS device.	global configuration	All
(config) print-services	Enables and disables WAAS print services and configures an administrative group.	global configuration	All
pwd	Displays the present working directory.	user-level EXEC and privileged-level EXEC	All
(config) radius-server	Configures the RADIUS parameters on a WAAS device.	global configuration	All
reload	Halts a device and performs a cold restart.	privileged-level EXEC	All
rename	Renames a file.	user-level EXEC and privileged-level EXEC	All
restore	Restores a device to its manufactured default status.	privileged-level EXEC	All
rmdir	Removes a directory.	user-level EXEC and privileged-level EXEC	All
scp	Specifies the SCP client.	privileged-level EXEC	All
script	Checks the errors in a script or executes a script.	privileged-level EXEC	All
setup	Configures the basic configuration settings. Invokes the interactive setup utility.	privileged-level EXEC	All
show aaa accounting	Displays the AAA accounting configuration.	privileged-level EXEC	All
show adapter	Displays the status and configuration of the EndPoint Mapper (EPM) adapter.		application accelerator
show alarms	Displays information on various types of alarms, their status, and history.	privileged-level EXEC	All
show arp	Displays the ARP entries.	user-level EXEC and privileged-level EXEC	All

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
show authentication	Displays the authentication configuration.	user-level EXEC and privileged-level EXEC	All
show auto-register	Displays the status of auto registration feature for a WAE.	privileged-level EXEC	application accelerator
show bypass	Displays the bypass configuration of a WAE.	user-level EXEC and privileged-level EXEC	application accelerator
show cdp	Displays the CDP configuration.	user-level EXEC and privileged-level EXEC	All
show cifs	Displays CIFS run-time information.	user-level EXEC and privileged-level EXEC	application accelerator
show clock	Displays the system clock.	user-level EXEC and privileged-level EXEC	All
show cms	Displays the management service information.	user-level EXEC and privileged-level EXEC	All
show debugging	Displays the state of each debugging option.	user-level EXEC and privileged-level EXEC	All
show device-mode	Displays the device mode.	user-level EXEC and privileged-level EXEC	All
show disks	Displays the disk configurations.	user-level EXEC and privileged-level EXEC	All
show egress-methods	Displays the egress method that is configured and that is being used on a particular WAE.	user-level EXEC and privileged-level EXEC	application accelerator
show flash	Displays the flash memory information.	user-level EXEC and privileged-level EXEC	All
show hardware	Displays the system hardware information.	user-level EXEC and privileged-level EXEC	All
show hosts	Displays the IP domain name, name servers, IP addresses, and host table.	user-level EXEC and privileged-level EXEC	All
show inetd	Displays the status of TCP/IP services.	user-level EXEC and privileged-level EXEC	All
show interface	Displays the hardware interface information.	user-level EXEC and privileged-level EXEC	All
show inventory	Displays the system inventory information.	user-level EXEC and privileged-level EXEC	All
show ip access-list	Displays the information about access lists that are defined and applied to specific interfaces or applications.	user-level EXEC and privileged-level EXEC	All
show ip routes	Displays the IP routing table.	user-level EXEC and privileged-level EXEC	All
show kerberos	Displays the Kerberos authentication configuration.	user-level EXEC and privileged-level EXEC	All

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
show key-manager	Displays the key manager information for each WAAS device.	user-level EXEC and privileged-level EXEC	central manager
show logging	Displays the system logging configuration.	user-level EXEC and privileged-level EXEC	All
show memory	Displays the memory blocks and statistics.	user-level EXEC and privileged-level EXEC	All
show ntp	Displays the NTP configuration status.	user-level EXEC and privileged-level EXEC	All
show policy-engine application	Displays the display application policy information.	user-level EXEC and privileged-level EXEC	application accelerator
show policy-engine status	Displays the policy-engine high-level information. This information includes the usage of the available resources, which include application names, classifiers, and conditions.	user-level EXEC and privileged-level EXEC	application accelerator
show print-services	Displays the print services administrator and process information.	user-level EXEC and privileged-level EXEC	All
show processes	Displays the process status.	user-level EXEC and privileged-level EXEC	All
show radius-server	Displays the RADIUS server information.	user-level EXEC and privileged-level EXEC	All
show running-config	Displays the current operating configuration.	user-level EXEC and privileged-level EXEC	All
show services	Displays information related to services.	user-level EXEC and privileged-level EXEC	All
show smb-conf	Displays the smb-conf configurations.	user-level EXEC and privileged-level EXEC	All
show snmp	Displays the SNMP statistics.	user-level EXEC and privileged-level EXEC	All
show ssh	Displays the status and configuration of the Secure Shell (SSH) service.	user-level EXEC and privileged-level EXEC	All
show standby	Displays the information related to the standby interface.	user-level EXEC and privileged-level EXEC	All
show startup-config	Displays the startup configuration.	user-level EXEC and privileged-level EXEC	All
show statistics authentication	Displays the authentication statistics.	user-level EXEC and privileged-level EXEC	All
show statistics cifs	Displays the CIFS statistics information.	user-level EXEC and privileged-level EXEC	application accelerator
show statistics content-distribution-network	Displays the status of a WAE or group of WAEs that are registered with the WAAS Central Manager.	user-level EXEC and privileged-level EXEC	central manager

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
show statistics dre	Displays the Data Redundancy Elimination (DRE) statistics for a WAE.	user-level EXEC and privileged-level EXEC	application accelerator
show statistics dre connection	Displays the DRE connection statistics for a WAE.	user-level EXEC and privileged-level EXEC	application accelerator
show statistics dre peer	Displays the DRE peer statistics for a WAE.	user-level EXEC and privileged-level EXEC	application accelerator
show statistics epm	Displays the DCE-RPC EPM statistics.	user-level EXEC and privileged-level EXEC	application accelerator
show statistics icmp	Displays the ICMP statistics.	user-level EXEC and privileged-level EXEC	All
show statistics ip	Displays the IP statistics.	user-level EXEC and privileged-level EXEC	All
show statistics key-manager	Displays the key manager information for each WAAS device.	user-level EXEC and privileged-level EXEC	central manager
show statistics netstat	Displays the Internet socket connection statistics.	user-level EXEC and privileged-level EXEC	All
show statistics radius	Displays the RADIUS authentication statistics.	user-level EXEC and privileged-level EXEC	All
show statistics services	Displays the services statistics.	user-level EXEC and privileged-level EXEC	All
show statistics snmp	Displays the SNMP statistics.	user-level EXEC and privileged-level EXEC	All
show statistics tacacs	Displays the TACACS+ authentication and authorization statistics.	user-level EXEC and privileged-level EXEC	All
show statistics tcp	Displays the Transmission Control Protocol statistics.	user-level EXEC and privileged-level EXEC	All
show statistics tfo	Displays the Transport Flow Optimization (TFO) statistics for a WAE.	user-level EXEC and privileged-level EXEC	application accelerator
show statistics udp	Displays the User Datagram Protocol (UDP) statistics.	user-level EXEC and privileged-level EXEC	All
show statistics wccp	Displays the WCCP statistics for a WAE.	user-level EXEC and privileged-level EXEC	application accelerator
show statistics windows-domain	Displays the Windows domain configuration.	user-level EXEC and privileged-level EXEC	All
show sysfs volumes	Displays the system file system (SYSFS) information.	user-level EXEC and privileged-level EXEC	All
show tacacs	Displays the TACACS+ configuration.	user-level EXEC and privileged-level EXEC	All
show tcp	Displays the TCP configuration.	user-level EXEC and privileged-level EXEC	All
show tech-support	Displays the system information for Cisco technical support.	user-level EXEC and privileged-level EXEC	All

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
show telnet	Displays the Telnet services configuration.	user-level EXEC and privileged-level EXEC	All
show tfo accelerators	Displays the Transport Flow Optimization (TFO) information including the accelerators, auto-discovery, buffer manager information, connection and status for a WAE.	user-level EXEC and privileged-level EXEC	application accelerator
show tfo auto-discovery	Displays TFO auto-discovery statistics for a WAE.	user-level EXEC and privileged-level EXEC	application accelerator
show tfo bufpool	Displays TFO buffer pool information for a WAE.	user-level EXEC and privileged-level EXEC	application accelerator
show tfo connection	Displays TFO connection information for a WAE.	user-level EXEC and privileged-level EXEC	application accelerator
show tfo egress-methods connection	Displays detailed information about the egress methods for a WAE.	user-level EXEC and privileged-level EXEC	application accelerator
show tfo filtering	Displays TFO flow information for a WAE.	user-level EXEC and privileged-level EXEC	application accelerator
show tfo status	Displays TFO status information for a WAE.	user-level EXEC and privileged-level EXEC	application accelerator
show tfo synq	Displays TFO statistics for the SynQ module.	user-level EXEC and privileged-level EXEC	application accelerator
show transaction-logging	Displays the transaction logging information for a WAE.	user-level EXEC and privileged-level EXEC	application accelerator
show user	Displays information about a particular user.	user-level EXEC and privileged-level EXEC	All
show users administrative	Displays the administrative users.	user-level EXEC and privileged-level EXEC	All
show version	Displays the software version.	user-level EXEC and privileged-level EXEC	All
show wccp	Displays the WCCP information for a WAE.	user-level EXEC and privileged-level EXEC	application accelerator
show windows-domain	Displays the Windows domain configuration.	user-level EXEC and privileged-level EXEC	All
(config-if) shutdown	Shuts down the specified interface.	interface configuration	All
shutdown	Shuts down the device (stops all applications and operating system).	privileged-level EXEC	All
(config) smb-conf	Manually configures parameters in the Samba configuration file, *smb-conf*.	global configuration	All
(config) snmp-server access-list	Configures an access control list to allow access through an SNMP agent.	global configuration	All
(config) snmp-server community	Enables SNMP; sets the community string, optionally names the group, and enables the read-write access with the community string.	global configuration	All

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
(config) snmp-server contact	Specifies the text for the system contact MIB object.	global configuration	All
(config) snmp-server enable traps	Enables the SNMP traps.	global configuration	All
(config) snmp-server group	Defines a user security model group.	global configuration	All
(config) snmp-server host	Specifies the hosts to receive SNMP traps.	global configuration	All
(config) snmp-server location	Specifies the path for MIB object sysLocation.	global configuration	All
(config) snmp-server mib persist event	Configures the persistence for the SNMP Event MIB.	global configuration	All
(config) snmp-server notify inform	Configures the SNMP inform request.	global configuration	All
(config) snmp-server user	Defines a user who can access the SNMP engine.	global configuration	All
(config) snmp-server view	Defines an SNMPv2 MIB view.	global configuration	All
snmp trigger	Creates or deletes SNMP triggers on a MIB variable.	privileged-level EXEC	All
ssh	Allows secure encrypted communications between an untrusted client machine and a WAAS device over an insecure network.	user-level EXEC and privileged-level EXEC	All
(config) sshd	Configures the parameters for the Secure Shell (SSH) service.	global configuration	All
(config) ssh-key-generate	Generates a SSH host key.	global configuration	All
(config-if) standby	Configures an interface to be a backup for another interface.	interface configuration	All
(config) tacacs	Configures the TACACS+ parameters on a WAAS device.	global configuration	All
(config) tcp	Configures the TCP parameters.	global configuration	All
tcpdump	Dumps the TCP traffic on the network.	privileged-level EXEC	All
telnet	Starts the Telnet client.	user-level EXEC and privileged-level EXEC	All
(config) telnet enable	Enables the Telnet services.	global configuration	All
terminal	Sets the terminal output commands.	user-level EXEC and privileged-level EXEC	All
tethereal	Analyzes network traffic from the command line.	privileged-level EXEC	All
(config) tfo auto-discovery	Discovers origin servers that cannot receive TCP packets with options and adds the IP addresses to a blacklist for a specified number of minutes.	global configuration	application accelerator

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
(config) tfo optimize	Configures TFO optimization for DRE or full generic optimization on the WAE.	global configuration	application accelerator
(config) tfo tcp keepalive	Configures TFO optimization with TCP keepalive on a WAE.	global configuration	application accelerator
(config) tfo tcp optimized-mss	Configures TFO optimization with optimized-side TCP maximum segment size on a WAE.	global configuration	application accelerator
(config) tfo tcp optimized-receive-buffer	Configures TFO optimization with an optimized-side receive buffer on a WAE.	global configuration	application accelerator
(config) tfo tcp optimized-send-buffer	Configures TFO optimization with an optimized-side send buffer on a WAE.	global configuration	application accelerator
(config) tfo tcp original-mss	Configures TFO optimization with an unoptimized-side TCP maximum segment size on the WAE.	global configuration	application accelerator
(config) tfo tcp original-receive-buffer	Configures TFO optimization with unoptimized-side receive buffer on a WAE.	global configuration	application accelerator
(config) tfo tcp original-send-buffer	Configures TFO optimization with unoptimized-side send buffer on a WAE.	global configuration	application accelerator
traceroute	Traces the route to a remote host.	user-level EXEC and privileged-level EXEC	All
transaction-log	Forces the transaction logging for TFO and export on a WAE.	privileged-level EXEC	application accelerator
(config) transaction-logs	Configures the transaction logging on a WAE.	global configuration	application accelerator
type	Displays a file.	user-level EXEC and privileged-level EXEC	All
type-tail	Displays the last several lines of a file.	user-level EXEC and privileged-level EXEC	All
undebug	Disables the debugging functions. (See **debug**.)	privileged-level EXEC	All
(config) username	Establishes the username authentication.	global configuration	All
wafs	Performs backup or restores system configuration, and creates a system report on a WAE.	privileged-level EXEC	application accelerator
(config) wccp access-list	Configures the IP access list for inbound Web Cache Coordination Protocol (WCCP) GRE-encapsulated traffic on a WAE.	global configuration	application accelerator
(config) wccp flow-redirect enable	Enables the WCCP flow redirection on a WAE.	global configuration	application accelerator
(config) wccp router-list	Creates a router list on a WAE for use in the WCCP Version 2 services.	global configuration	application accelerator

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
(config) wccp shutdown	Sets the maximum time interval after which the WAE will perform a clean shutdown.	global configuration	application accelerator
(config) wccp tcp-promiscuous	Configures the TCP promiscuous mode service (WCCP Version 2 services 61 and 62) on a WAE.	global configuration	application accelerator
(config) wccp version	Specifies the WCCP version number.	global configuration	application accelerator
whoami	Displays the name of the current user.	user-level EXEC and privileged-level EXEC	All
windows-domain	Accesses Windows domain utilities.	privileged-level EXEC	All
(config) windows-domain	Configures Windows domain server options.	global configuration	All
write	Writes or erases the startup configurations to NVRAM or to a terminal session, or writes the MIB persistence configuration to disk.	privileged-level EXEC	All