



## Cisco WAAS Software Commands Summary

This chapter summarizes the Cisco WAAS 4.0 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 a footnote in [Table 2-1](#). The same command may have different effects when entered in a different command mode, so they are listed and documented separately. In [Table 2-1](#), when the first occurrence is entered in EXEC mode, the second occurrence is entered in global configuration mode. When the first occurrence is entered in global configuration mode, the second occurrence is entered in interface configuration mode. 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.

See [Chapter 1, “Using the WAAS Command-Line Interface”](#) for a discussion about using CLI command modes.



**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
<a href="#">(config) aaa accounting</a>	Configures AAA accounting.	global configuration	All
<a href="#">(config) alarm overload-detect</a>	Configures the detection of alarm overload.	global configuration	All
<a href="#">(config) asset</a>	Configures the tag name for the asset tag string.	global configuration	All
<a href="#">(config) authentication</a>	Configures administrative login authentication and authorization parameters.	global configuration	All
<a href="#">(config) auto-register</a>	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
<a href="#">(config) autosense</a>	Sets the current interface to autosense.	interface configuration	All

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
<a href="#">(config-if) bandwidth</a>	Sets the specified interface bandwidth to 10, 100, or 1000 Mbps.	interface configuration	All
<a href="#">(config) bypass</a>	Configures the bypass functions on a WAE.	global configuration	application accelerator
<a href="#">cd</a>	Changes the directory.	user-level EXEC and privileged-level EXEC	All
<a href="#">(config) cdp</a>	Enables the Cisco Discovery Protocol (CDP) for the WAAS device.	global configuration	All
<a href="#">(config-if) cdp</a>	Enables CDP on an interface.	interface configuration	All
<a href="#">(config) central-manager</a>	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
<a href="#">clear</a>	Resets the counters and other specified functions.	privileged-level EXEC	All
<a href="#">clock</a>	Manages the system clock.	privileged-level EXEC	All
<a href="#">(config) clock</a>	Sets the summer daylight saving time of day and time zone.	global configuration	All
<a href="#">cms</a>	Configures the parameters for the Centralized Management System (CMS) embedded database.	privileged-level EXEC	All
<a href="#">(config) cms</a>	Schedules the maintenance and enables the Centralized Management System on a specific WAAS device.	global configuration	All
<a href="#">configure</a> <sup>1</sup>	Enters configuration mode from privileged EXEC mode.	privileged-level EXEC	All
<a href="#">copy cdrom</a>	Copies files from a CD-ROM.	privileged-level EXEC	All
<a href="#">copy compactflash</a>	Copies files from the Compact Flash card.	privileged-level EXEC	All
<a href="#">copy disk</a>	Copies configuration information or files from a disk.	privileged-level EXEC	All
<a href="#">copy ftp</a>	Copies files from an FTP server.	privileged-level EXEC	All
<a href="#">copy http</a>	Copies files from an HTTP server.	privileged-level EXEC	All
<a href="#">copy running-config</a>	Copies information from the current system configuration.	privileged-level EXEC	All
<a href="#">copy startup-config</a>	Copies information from the startup configuration.	privileged-level EXEC	All
<a href="#">copy sysreport</a>	Copies system troubleshooting information.	privileged-level EXEC	All
<a href="#">copy system-status</a>	Copies the system status for debugging reference.	privileged-level EXEC	All

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
<a href="#">copy tech-support</a>	Copies system information for technical support.	privileged-level EXEC	All
<a href="#">copy tftp</a>	Copies the software image from the TFTP server.	privileged-level EXEC	All
<a href="#">cpfile</a>	Copies a file to the current directory.	user-level EXEC and privileged-level EXEC	All
<a href="#">debug</a>	Configures the debugging options. <b>Note</b> The following <b>debug</b> options are supported only in the application accelerator device mode: <b>dre</b> , <b>epm</b> , <b>print-spooler</b> , <b>tfo</b> , <b>wafs</b> , and <b>wccp</b> .	privileged-level EXEC	All
<a href="#">(config-std-nacl) delete</a>	Deletes a line from the standard ACL	standard ACL configuration	All
<a href="#">(config-ext-nacl) delete</a>	Deletes a line from the extended ACL	extended ACL configuration	All
<a href="#">delfile</a>	Deletes a file.	user-level EXEC and privileged-level EXEC	All
<a href="#">deltree</a>	Deletes a directory and its subdirectories.	user-level EXEC and privileged-level EXEC	All
<a href="#">(config-std-nacl) deny</a>	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
<a href="#">(config-ext-nacl) deny</a>	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
<a href="#">(config) device mode</a>	Specifies the device mode of the WAAS device.	global configuration	All
<a href="#">dir</a>	Displays the files in long list format.	user-level EXEC and privileged-level EXEC	All
<a href="#">disable</a>	Turns off the privileged EXEC commands.	privileged-level EXEC	All
<a href="#">disk</a>	Allocates the disks among the cdnfs, cfs, mediafs, and sysfs file systems.	privileged-level EXEC	All
<a href="#">(config) disk</a>	Configures how the disk errors should be handled.	global configuration	All
<a href="#">dnslookup</a>	Resolves a DNS hostname.	user-level EXEC and privileged-level EXEC	All
<a href="#">enable<sup>1</sup></a>	Accesses the privileged EXEC commands.	EXEC user	All
<a href="#">(config) end</a>	Exits configuration and privileged EXEC modes.	global configuration	All
<a href="#">(config) exec-timeout</a>	Configures the length of time that an inactive Telnet or SSH session remains open.	global configuration	All
<a href="#">exit</a>	Exits from privileged EXEC mode.	privileged-level EXEC	All

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
(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
find-pattern	Searches for a particular pattern in a file.	privileged-level EXEC	All
(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
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	Enables FTP, RCP, and TFTP services.	global configuration	All
install	Installs a new image into Flash memory.	privileged-level EXEC	All
(config) interface <sup>1</sup>	Configures a Fibre Channel, Gigabit Ethernet, Port Channel, or Standby interface. Provides access to interface configuration mode.	global configuration	All
(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 <sup>1</sup>	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	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

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
<a href="#">(config) line</a>	Specifies the terminal line settings.	global configuration	All
<a href="#">(config-std-nacl) list</a>	Displays a list of specified entries within the standard ACL	standard ACL configuration	All
<a href="#">(config-ext-nacl) list</a>	Displays a list of specified entries within the extended ACL	extended ACL configuration	All
<a href="#">lls</a>	Displays the files in a long list format.	user-level EXEC and privileged-level EXEC	All
<a href="#">(config) logging</a>	Configures system logging (syslog).	global configuration	All
<a href="#">ls</a>	Lists the files and subdirectories in a directory.	user-level EXEC and privileged-level EXEC	All
<a href="#">mkdir</a>	Makes a directory.	user-level EXEC and privileged-level EXEC	All
<a href="#">mkfile</a>	Makes a file (for testing).	user-level EXEC and privileged-level EXEC	All
<a href="#">(config-if) mode</a>	Changes the Fibre Channel interface operating mode.	interface configuration	All
<a href="#">(config-std-nacl) move</a>	Moves a line to a new position within the standard ACL	standard ACL configuration	All
<a href="#">(config-ext-nacl) move</a>	Moves a line to a new position within the extended ACL	extended ACL configuration	All
<a href="#">(config-if) mtu</a>	Sets the interface Maximum Transmission Unit (MTU) packet size.	interface configuration	All
<a href="#">no debug</a>	Disables debugging functions. (See <b>undebug</b> .)	user-level EXEC and privileged-level EXEC	All
<a href="#">(config) no</a>	Negates a global configuration command or sets its defaults.	global configuration	All
<a href="#">(config-if) no</a>	Negates an interface command or restores it to its default values.	interface configuration	All
<a href="#">(config) ntp</a>	Configures the NTP server.	global configuration	All
<a href="#">ntpdate</a>	Sets the NTP server name.	privileged-level EXEC	All
<a href="#">(config-std-nacl) permit</a>	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
<a href="#">(config-ext-nacl) permit</a>	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
<a href="#">ping</a>	Sends the echo packets.	user-level EXEC and privileged-level EXEC	All

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
(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 accept	Configures a WAE's application policies with the Wide Area File Services (WAFS) accept option.	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 <b>optimize DRE</b> command action for non-classified traffic.	global configuration	application accelerator
(config) policy-engine application map other optimize full	Configures the application policy for non-classified traffic with the <b>optimize full</b> command action.	global configuration	application accelerator
(config) policy-engine application map other pass-through	Configures the application policy for non-classified traffic with the <b>pass-through</b> 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

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
<a href="#">(config) port-channel</a>	Configures the Port Channel load-balancing options.	global configuration	All
<a href="#">(config) primary-interface</a>	Configures a primary interface for the WAAS device.	global configuration	All
<a href="#">(config) print-services</a>	Enables and disables WAAS print services and configures an administrative group.	global configuration	All
<a href="#">pwd</a>	Displays the present working directory.	user-level EXEC and privileged-level EXEC	All
<a href="#">(config) radius-server</a>	Configures the RADIUS parameters on a WAAS device.	global configuration	All
<a href="#">reload</a>	Halts a device and performs a cold restart.	privileged-level EXEC	All
<a href="#">rename</a>	Renames a file.	user-level EXEC and privileged-level EXEC	All
<a href="#">restore</a>	Restores a device to its manufactured default status.	privileged-level EXEC	All
<a href="#">rmdir</a>	Removes a directory.	user-level EXEC and privileged-level EXEC	All
<a href="#">scp</a>	Specifies the SCP client.	privileged-level EXEC	All
<a href="#">script</a>	Checks the errors in a script or executes a script.	privileged-level EXEC	All
<a href="#">setup</a>	Configures the basic configuration settings. Invokes the interactive setup utility.	privileged-level EXEC	All
<a href="#">show aaa accounting</a>	Displays the AAA accounting configuration.	privileged-level EXEC	All
<a href="#">show alarms</a>	Displays information on various types of alarms, their status, and history.	privileged-level EXEC	All
<a href="#">show arp</a>	Displays the ARP entries.	user-level EXEC and privileged-level EXEC	All
<a href="#">show authentication</a>	Displays the authentication configuration.	user-level EXEC and privileged-level EXEC	All
<a href="#">show auto-register</a>	Displays the status of auto registration feature for a WAE.	privileged-level EXEC	application accelerator
<a href="#">show bypass</a>	Displays the bypass configuration of a WAE.	user-level EXEC and privileged-level EXEC	application accelerator
<a href="#">show cdp</a>	Displays the CDP configuration.	user-level EXEC and privileged-level EXEC	All
<a href="#">show clock</a>	Displays the system clock.	user-level EXEC and privileged-level EXEC	All
<a href="#">show cms</a>	Displays the management service information.	user-level EXEC and privileged-level EXEC	All
<a href="#">show debugging</a>	Displays the state of each debugging option.	user-level EXEC and privileged-level EXEC	All

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
<code>show device-mode</code>	Displays the device mode.	user-level EXEC and privileged-level EXEC	All
<code>show disks</code>	Displays the disk configurations.	user-level EXEC and privileged-level EXEC	All
<code>show flash</code>	Displays the flash memory information.	user-level EXEC and privileged-level EXEC	All
<code>show hardware</code>	Displays the system hardware information.	user-level EXEC and privileged-level EXEC	All
<code>show hosts</code>	Displays the IP domain name, name servers, IP addresses, and host table.	user-level EXEC and privileged-level EXEC	All
<code>show inetd</code>	Displays the status of TCP/IP services.	user-level EXEC and privileged-level EXEC	All
<code>show interface</code>	Displays the hardware interface information.	user-level EXEC and privileged-level EXEC	All
<code>show inventory</code>	Displays the system inventory information.	user-level EXEC and privileged-level EXEC	All
<code>show ip access-list</code>	Displays the information about access lists that are defined and applied to specific interfaces or applications.	user-level EXEC and privileged-level EXEC	All
<code>show ip routes</code>	Displays the IP routing table.	user-level EXEC and privileged-level EXEC	All
<code>show kerberos</code>	Displays the Kerberos authentication configuration.	user-level EXEC and privileged-level EXEC	All
<code>show logging</code>	Displays the system logging configuration.	user-level EXEC and privileged-level EXEC	All
<code>show memory</code>	Displays the memory blocks and statistics.	user-level EXEC and privileged-level EXEC	All
<code>show ntp</code>	Displays the NTP configuration status.	user-level EXEC and privileged-level EXEC	All
<code>show policy-engine application</code>	Displays the display application policy information.	user-level EXEC and privileged-level EXEC	application accelerator
<code>show policy-engine status</code>	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
<code>show print-services</code>	Displays the print services administrator and process information.	user-level EXEC and privileged-level EXEC	All
<code>show processes</code>	Displays the process status.	user-level EXEC and privileged-level EXEC	All
<code>show radius-server</code>	Displays the RADIUS server information.	user-level EXEC and privileged-level EXEC	All

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
<code>show running-config</code>	Displays the current operating configuration.	user-level EXEC and privileged-level EXEC	All
<code>show services</code>	Displays information related to services.	user-level EXEC and privileged-level EXEC	All
<code>show smb-conf</code>	Displays the smb-conf configurations.	user-level EXEC and privileged-level EXEC	All
<code>show snmp</code>	Displays the SNMP statistics.	user-level EXEC and privileged-level EXEC	All
<code>show ssh</code>	Displays the status and configuration of the Secure Shell (SSH) service	user-level EXEC and privileged-level EXEC	All
<code>show standby</code>	Displays the information related to the standby interface.	user-level EXEC and privileged-level EXEC	All
<code>show startup-config</code>	Displays the startup configuration.	user-level EXEC and privileged-level EXEC	All
<code>show statistics authentication</code>	Displays the authentication statistics.	user-level EXEC and privileged-level EXEC	All
<code>show statistics content-distribution-network</code>	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
<code>show statistics dre</code>	Displays the Data Redundancy Elimination (DRE) statistics for a WAE.	user-level EXEC and privileged-level EXEC	application accelerator
<code>show statistics dre connection</code>	Displays the DRE connection statistics for a WAE.	user-level EXEC and privileged-level EXEC	application accelerator
<code>show statistics dre peer</code>	Displays the DRE peer statistics for a WAE.	user-level EXEC and privileged-level EXEC	application accelerator
<code>show statistics epm</code>	Displays the DCE-RPC EPM statistics.	user-level EXEC and privileged-level EXEC	application accelerator
<code>show statistics icmp</code>	Displays the ICMP statistics.	user-level EXEC and privileged-level EXEC	All
<code>show statistics ip</code>	Displays the IP statistics.	user-level EXEC and privileged-level EXEC	All
<code>show statistics netstat</code>	Displays the Internet socket connection statistics.	user-level EXEC and privileged-level EXEC	All
<code>show statistics radius</code>	Displays the RADIUS authentication statistics.	user-level EXEC and privileged-level EXEC	All
<code>show statistics services</code>	Displays the services statistics.	user-level EXEC and privileged-level EXEC	All
<code>show statistics snmp</code>	Displays the SNMP statistics.	user-level EXEC and privileged-level EXEC	All
<code>show statistics tacacs</code>	Displays the TACACS+ authentication and authorization statistics.	user-level EXEC and privileged-level EXEC	All

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
<code>show statistics tcp</code>	Displays the Transmission Control Protocol statistics.	user-level EXEC and privileged-level EXEC	All
<code>show statistics tfo</code>	Displays the Transport Flow Optimization (TFO) statistics for a WAE.	user-level EXEC and privileged-level EXEC	application accelerator
<code>show statistics udp</code>	Displays the User Datagram Protocol (UDP) statistics.	user-level EXEC and privileged-level EXEC	All
<code>show statistics wccp</code>	Displays the WCCP statistics for a WAE.	user-level EXEC and privileged-level EXEC	application accelerator
<code>show statistics windows-domain</code>	Displays the Windows domain configuration.	user-level EXEC and privileged-level EXEC	All
<code>show sysfs</code>	Displays the system file system (SYSFS) information.	user-level EXEC and privileged-level EXEC	All
<code>show tacacs</code>	Displays the TACACS+ configuration.	user-level EXEC and privileged-level EXEC	All
<code>show tcp</code>	Displays the TCP configuration.	user-level EXEC and privileged-level EXEC	All
<code>show tech-support</code>	Displays the system information for Cisco technical support.	user-level EXEC and privileged-level EXEC	All
<code>show telnet</code>	Displays the Telnet services configuration.	user-level EXEC and privileged-level EXEC	All
<code>show tfo accelerators</code>	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
<code>show tfo auto-discovery</code>	Displays TFO auto-discovery statistics for a WAE.	user-level EXEC and privileged-level EXEC	application accelerator
<code>show tfo bufpool</code>	Displays TFO buffer pool information for a WAE.	user-level EXEC and privileged-level EXEC	application accelerator
<code>show tfo connection</code>	Displays TFO connection information for a WAE.	user-level EXEC and privileged-level EXEC	application accelerator
<code>show tfo filtering</code>	Displays TFO flow information for a WAE.	user-level EXEC and privileged-level EXEC	application accelerator
<code>show tfo status</code>	Displays TFO status information for a WAE.	user-level EXEC and privileged-level EXEC	application accelerator
<code>show transaction-logging</code>	Displays the transaction logging information for a WAE.	user-level EXEC and privileged-level EXEC	application accelerator
<code>show user</code>	Displays information about a particular user.	user-level EXEC and privileged-level EXEC	All
<code>show users administrative</code>	Displays the administrative users.	user-level EXEC and privileged-level EXEC	All
<code>show version</code>	Displays the software version.	user-level EXEC and privileged-level EXEC	All

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
<code>show wccp</code>	Displays the WCCP information for a WAE.	user-level EXEC and privileged-level EXEC	application accelerator
<code>show windows-domain</code>	Displays the Windows domain configuration.	user-level EXEC and privileged-level EXEC	All
<code>(config-if) shutdown</code>	Shuts down the specified interface.	interface configuration	All
<code>shutdown</code>	Shuts down the device (stops all applications and operating system).	privileged-level EXEC	All
<code>(config) smb-conf</code>	Manually configures parameters in the Samba configuration file, <i>smb-conf</i> .	global configuration	All
<code>(config) snmp-server access-list</code>	Configures an access control list to allow access through an SNMP agent.	global configuration	All
<code>(config) snmp-server community</code>	Enables SNMP; sets the community string, optionally names the group, and enables the read-write access with the community string.	global configuration	All
<code>(config) snmp-server contact</code>	Specifies the text for the system contact MIB object.	global configuration	All
<code>(config) snmp-server enable traps</code>	Enables the SNMP traps.	global configuration	All
<code>(config) snmp-server group</code>	Defines a user security model group.	global configuration	All
<code>(config) snmp-server host</code>	Specifies the hosts to receive SNMP traps.	global configuration	All
<code>(config) snmp-server location</code>	Specifies the path for MIB object sysLocation.	global configuration	All
<code>(config) snmp-server mib</code>	Configures the persistence for the SNMP Event MIB.	global configuration	All
<code>(config) snmp-server notify inform</code>	Configures the SNMP inform request.	global configuration	All
<code>(config) snmp-server user</code>	Defines a user who can access the SNMP engine.	global configuration	All
<code>(config) snmp-server view</code>	Defines an SNMPv2 MIB view.	global configuration	All
<code>snmp trigger</code>	Creates or deletes SNMP triggers on a MIB variable.	privileged-level EXEC	All
<code>(config-if) speed</code>	Sets the Fibre Channel interface speed.	interface configuration	All
<code>ssh</code>	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
<code>(config) sshd</code>	Configures the parameters for the Secure Shell (SSH) service.	global configuration	All
<code>(config) ssh-key-generate</code>	Generates a SSH host key.	global configuration	All
<code>(config-if) standby</code>	Configures an interface to be a backup for another interface.	interface configuration	All
<code>(config) tacacs</code>	Configures the TACACS+ parameters on a WAAS device.	global configuration	All

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
(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 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 <b>debug</b> .)	privileged-level EXEC	All
(config) username	Establishes the username authentication.	global configuration	All

**Table 2-1** Command Summary (continued)

Command	Description	CLI Mode	Device Mode
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 cifs-cache	Enables the CIFS cache service (WCCP Version 2 service 89) and assigns load distribution among the available WAEs.	global configuration	application accelerator
(config) wccp flow-redirect	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
(config) wccp shutdown	Sets the maximum time interval after which the WAE will perform a clean shutdown.	global configuration	application accelerator
(config) wccp slow-start	Enables the slow start capability on a WAE.	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

1. Commands used to access configuration modes.

