CHAPTER 2

Cisco WAAS Software Command Summary

This chapter summarizes the Cisco WAAS 4.1.1 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.

Table 2-1 Command Summary

Command	Description	CLI Mode	Device Mode
(config) aaa accounting	Configures AAA accounting.	global configuration	All
(config) aaa authorization commands	Configures AAA authorization.	global configuration	All
(config) accelerator cifs	Enables the CIFS application accelerator.	global configuration	application-accelerator
(config) accelerator cifs preposition	Configures a CIFS application accelerator preposition directive.	global configuration	application-accelerator
(config) accelerator epm	Enables the EPM application accelerator.	global configuration	application-accelerator
(config) accelerator http	Enables the HTTP application accelerator.	global configuration	application-accelerator
(config) accelerator mapi	Enables the MAPI application accelerator.	global configuration	application-accelerator
(config) accelerator nfs	Enables the NFS application accelerator.	global configuration	application-accelerator
(config) accelerator ssl	Enables the SSL application accelerator.	global configuration	application-accelerator
(config) accelerator video	Enables the video application accelerator.	global configuration	application-accelerator
(config) accelerator windows-print	Enables the Windows print accelerator	global configuration	application-accelerator

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
(config) alarm overload-detect	Configures the detection of an alarm overload.	global configuration	All
(config) asset	Configures the tag name for the asset tag string.	global configuration	All
(config) authentication configuration	Configures administrative authentication and authorization parameters.	global configuration	All
(config) authentication content-request	Configures request for content authentication and authorization parameters.	global configuration	All
(config) authentication fail-over	Configures authentication failover if the primary authentication server is unreachable.	global configuration	All
(config) authentication login	Configures administrative login authentication and authorization parameters.	global configuration	All
(config) authentication strict-password-policy	Configures strong password policy parameters.	global configuration	All
(config) 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
(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
(config-vb) autostart	Sets a virtual blade to automatically start when the WAE is started.	virtual blade configuration	application-accelerator
(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-vb) boot	Configures the boot image location and source for a virtual blade.	virtual blade configuration	application-accelerator
(config) bypass	Configures the bypass functions on a WAE.	global configuration	application-accelerator
(config-ca) ca-certificate	Sets the certification authority file.	certification authority configuration	All
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

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
(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
(config-cipher-list) cipher	Configures a cipher suite on the cipher list.	cipher list configuration	All
(config-ssl-accelerated) cipher-list	Configures secure socket layer (SSL) encryption cipher lists on a WAAS device.	SSL accelerated service configuration	All
(config-ssl-global) cipher-list	Configures secure socket layer (SSL) encryption cipher lists on a WAAS device.	SSL global service configuration	All
(config-ssl-peering) cipher-list	Configures secure socket layer (SSL) encryption cipher lists on a WAAS device.	SSL host peering service configuration	All
(config-ssl-mgmt) cipher-list	Configures secure socket layer (SSL) encryption cipher lists on a WAAS device.	SSL management service configuration	All
clear arp-cache	Resets the ARP cache.	privileged-level EXEC	application-accelerator
clear cache	Resets the cached objects.	privileged-level EXEC	application-accelerator
clear cdp	Resets Cisco Discovery Protocol statistics.	privileged-level EXEC	All
clear ip	Resets IP access list statistics.	privileged-level EXEC	All
clear license	Resets licensing configuration.	privileged-level EXEC	All
clear logging	Resets the syslog messages saved in a disk file.	privileged-level EXEC	All
clear statistics	Resets statistics data.	privileged-level EXEC	All
clear statistics accelerator	Resets all global statistics.	privileged-level EXEC	All
clear statistics connection	Resets connection statistics.	privileged-level EXEC	All
clear statistics vn-service vpath	Resets VPATH statistics.	privileged-level EXEC	All
clear transaction-log	Archives the working transaction log file.	privileged-level EXEC	application accelerator
clear users	Resets user connections or unlocks users that have been locked out.	privileged-level EXEC	All
clear windows-domain-log	Clears user connections and unlocks users that have been locked out.	privileged-level EXEC	All
(config-ssl-accelerated) client-cert-verify	Enables verification of client certificates.	SSL accelerated service configuration	All
(config-ssl-accelerated) client-version-rollback-check	Disables the client SSL version rollback check.	SSL accelerated service configuration	All

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
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
cms secure-store	Configures secure store encryption	privileged-level EXEC	All
(config) cms	Schedules the maintenance and enables the Centralized Management System on a specific WAAS device.	global configuration	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 cdrom wow-recovery	Recovers Windows on a virtual blade without reloading the software.	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
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
copy virtual-blade	Copies software configuration or image data from a virtual blade disk image to an FTP server.	privileged-level EXEC	All
cpfile	Copies a file to the current directory.	privileged-level EXEC	All
(config-vb) cpu-list	Configures the CPU assignments that the virtual blade runs on,.	virtual blade configuration	application-accelerator
(config-preposition) credentials	Sets the username and password credentials.	preposition configuration	application-accelerator
crypto delete	Removes SSL certificate and key files.	privileged-level EXEC	application-accelerator

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
crypto export	Exports SSL certificate and key files.	privileged-level EXEC	application-accelerator
crypto generate	Generates a self-signed certificate or a certificate signing request.	privileged-level EXEC	All
crypto import	Imports SSL certificate and key files.	privileged-level EXEC	application-accelerator
crypto pki	Initializes the PKI managed store.	privileged-level EXEC	All
(config) crypto pki	Configures public key infrastructure (PKI) encryption parameters.	global configuration	All
(config) crypto ssl	Configures secure sockets layer (SSL) encryption parameters.	global configuration	All
debug aaa accounting	Configures AAA accounting debugging.	privileged-level EXEC	All
debug aaa authorization	Configures AAA authorization debugging.	privileged-level EXEC	All
debug accelerator	Configures accelerator debugging.	privileged-level EXEC	All
debug all	Configures all debugging.	privileged-level EXEC	All
debug authentication	Configures authentication debugging.	privileged-level EXEC	All
debug auto-discovery	Configures auto discovery debugging.	privileged-level EXEC	All
debug buf	Configures buffer manager debugging.	privileged-level EXEC	All
debug cdp	Configures CDP debugging.	privileged-level EXEC	All
debug cli	Configures CLI debugging.	privileged-level EXEC	All
debug cms	Configures CMS debugging.	privileged-level EXEC	All
debug connection	Configures connection debugging.	privileged-level EXEC	All
debug dataserver	Configures data server debugging.	privileged-level EXEC	All
debug dhcp	Configures DHCP debugging.	privileged-level EXEC	All
debug directed-mode	Configures directed mode debugging.	privileged-level EXEC	All
debug dre	Configures DRE debugging.	privileged-level EXEC	application-accelerator
debug egress-method	Configures egress method debugging.	privileged-level EXEC	application-accelerator
debug filtering	Configures filtering debugging.	privileged-level EXEC	All
debug flow	Configures network traffic flow debugging.	privileged-level EXEC	All
debug generic-gre	Configures generic GRE egress method debugging.	privileged-level EXEC	All
debug inline	Configures inline debugging.	privileged-level EXEC	All
debug logging	Configures logging debugging.	privileged-level EXEC	All
debug ntp	Configures NTP debugging.	privileged-level EXEC	All
debug policy-engine	Configures policy engine debugging.	privileged-level EXEC	All
debug print-spooler	Configures print spooler debugging.	privileged-level EXEC	application-accelerator

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
debug rbcp	Configures RBCP debugging.	privileged-level EXEC	All
debug rpc	Configures record remote procedure calls debugging.	privileged-level EXEC	All
debug snmp	Configures SNMP debugging.	privileged-level EXEC	All
debug standby	Configures standby debugging.	privileged-level EXEC	All
debug statistics	Configures statistics debugging.	privileged-level EXEC	All
debug synq	Configures synq debugging.	privileged-level EXEC	All
debug tfo	Configures TFO flow optimization debugging.	privileged-level EXEC	application-accelerator
debug translog	Configures transaction logging debugging.	privileged-level EXEC	All
debug wafs	Sets the log level of WAFS running components.	privileged-level EXEC	application-accelerator
debug wccp	Configures WCCP information debugging.	privileged-level EXEC	application-accelerator
(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.	privileged-level EXEC	All
deltree	Deletes a directory and its subdirectories.	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-ca) description	Configures a description for the certification authority.	certification authority configuration	All
(config-vb) description	Configures a description for a virtual blade on your WAE.	virtual blade configuration	application-accelerator
(config-ssl-accelerated) description	Configures a description for SSL accelerated service.	SSL accelerated service configuration	All
(config-vb) device	Configures the device emulation parameters used by the virtual blade on your WAE.	virtual blade configuration	application-accelerator
(config) device mode	Specifies the device mode of the WAAS device.	global configuration	All
dir	Displays the files in a long list format.	user-level EXEC and privileged-level EXEC	All
(config) directed-mode	Configures the mode by which traffic is sent between two WAEs.	global configuration	application-accelerator
disable	Turns off the privileged EXEC commands.	privileged-level EXEC	All

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
disk	Configures the disks on the WAAS device.	privileged-level EXEC	All
(config-vb) disk	Configures disk space for a virtual blade on the WAE hard drive.	virtual blade configuration	application-accelerator
(config) disk disk-name	Disables a RAID-1 disk for online removal.	global configuration	All
(config) disk encrypt	Enables disk encryption.	global configuration	application-accelerator
(config) disk error-handling	Configures how the disk errors should be handled.	global configuration	All
(config) disk logical shutdown	Shuts down the RAID-5 logical disk drive.	global configuration	All
(config) disk object-cache extend	Enables extended object cache, .	global configuration	All
dnslookup	Resolves a DNS hostname.	user-level EXEC and privileged-level EXEC	All
(config-preposition) dscp	Setshe DSCP marking value for a preposition task.	preposition configuration	application-accelerator
(config-preposition) duration	Sets the maximum duration for a preposition task.	preposition configuration	application-accelerator
(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-preposition) enable	Enables or disables a preposition directive.	preposition configuration	application-accelerator
(config-if) encapsulation dot1Q	Sets the VLAN ID of traffic leaving the Cisco WAE Inline Network Adapter interface.	interface configuration	application-accelerator
(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-if) failover timeout	Configures the maximum time for the inline interface to transition traffic to another port after a failure event.	interface configuration	All
find-pattern	Searches for a particular pattern in a file.	privileged-level EXEC	All

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
(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
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-preposition) ignore-hidden-dir	Configures to ignore hidden directories in the set of files to be prepositioned.	preposition configuration	application-accelerator
(config) inetd	Enables FTP, RCP, and TFTP services.	global configuration	All
(config-if) inline	Configures inline interception for an inlineGroup interface.	interface configuration	All
(config) inline vlan-id-connection-check	Enables VLAN ID checking on intercepted traffic.	global configuration	All
(config-ssl-accelerated) inservice	Enables the accelerated service.	SSL accelerated service configuration	All
install	Installs a new image into Flash memory.	privileged-level EXEC	All
(config) interception access-list	Configures an interception access list.	global configuration	All
(config-vb) interface	Bridges a virtual blade interface to an interface on your WAE.	virtual blade configuration	application-accelerator
(config) interface GigabitEthernet*	Configures a Gigabit Ethernet interface. Provides access to interface configuration mode.	global configuration	All
(config) interface InlineGroup*	Configures a Inline Group channel, or standby interface. Provides access to interface configuration mode.	global configuration	All
(config) interface PortChannel*	Configures a port channel interface. Provides access to interface configuration mode.	global configuration	All
(config) interface standby*	Configures a standby interface. Provides access to interface configuration mode.	global configuration	All
(config) interface virtual*	Configures a virtual 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

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
(config-if) ip	Configures the IP address, subnet mask, or DHCP IP address negotiation on the interface of the WAAS device or Cisco WAE Inline Network Adapter.	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) ip icmp rate-limit unreachable	Limits the rate at which Internet Control Message Protocol (ICMP) destination unreachable messages are generated.	global configuration	All
(config) ip unreachables df	Enables the IP unreachable ICMP service.	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
(config) kernel kdump	Enables the kernel crash dump mechanism.	global configuration	All
less	Displays the contents of a file using the LESS application.	user-level EXEC and privileged-level EXEC	All
license add	Adds a software license.	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 console	Configures system logging (syslog) to the console.	global configuration	All
(config) logging disk	Configures system logging (syslog) to a disk file.	global configuration	All
(config) logging facility	Sets the facility parameter for system logging (syslog).	global configuration	All
(config) logging host	Configures system logging (syslog) to a remote host.	global configuration	All
ls	Lists the files and subdirectories in a directory.	user-level EXEC and privileged-level EXEC	All
(config-ssl-global) machine-cert-key	Configurea a certificate and private key.	SSL global service configuration	All

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
(config-preposition) max-cache	Sets the maximum cache percentage that prepositioned files can use.	preposition configuration	application-accelerator
(config-preposition) max-file-size	Sets the maximum size of a prepositioned file.	preposition configuration	application-accelerator
(config-vb) memory	Configures memory for a virtual blade from the WAE system.	virtual blade configuration	application-accelerator
(config-preposition) min-file-size	Sets the minimum size of a prepositioned file.	preposition configuration	application-accelerator
mkdir	Makes a directory.	privileged-level EXEC	All
mkfile	Makes a file (for testing).	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-preposition) name	Sets the name of a preposition directive.	preposition configuration	application-accelerator
(config) ntp	Configures the NTP server.	global configuration	All
ntpdate	Sets the NTP server name.	privileged-level EXEC	All
(config-pki-global-settings) ocsp	Configures the URL to be used as the global settings for the Online Certificate Status Protocol (OCSP) protocol revocation status checking.	PKI global-settings configuration	All
(config-preposition) pattern	Sets a file filter for a preposition directive.	preposition configuration	application-accelerator
(config) peer	Enables/disables peer optimization.	global configuration	application-accelerator
(config-ssl-peering) peer-cert-verify	Enables verification of peer certificates.	SSL host peering service configuration	All
(config-ssl-mgmt) peer-cert-verify	Enables verification of peer certificates.	SSL management service configuration	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

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 transport	Configures a WAE's application policies with the WAFS transport option.	global configuration	application-accelerator
(config) policy-engine application map basic	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 other optimize DRE	Configures the WAE's **optimize DRE** command action for nonclassified traffic.	global configuration	application-accelerator
(config) policy-engine application map other optimize full	Configures the application policy for nonclassified traffic with the **optimize full** command action.	global configuration	application-accelerator
(config) policy-engine application map other pass-through	Configures the application policy for nonclassified 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 application set-dscp	Sets the default DSCP marking value.	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
(config-preposition) recursive	Enables or disables recursion for a preposition directive.	preposition configuration	application-accelerator
reload	Halts a device and performs a cold restart.	privileged-level EXEC	All
rename	Renames a file.	privileged-level EXEC	All

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
restore	Restores a device to its manufactured default status.	privileged-level EXEC	All
(config-ca) revocation-check	Configures the certification authority revocation checking method.	certification authority configuration	All
(config-pki-global-settings) revocation-check	Configures the the global settings revocation checking method.	PKI global-settings configuration	All
rmdir	Removes a directory.	privileged-level EXEC	All
(config-preposition) root	Sets the root directory for a preposition directive.	preposition configuration	application-accelerator
(config-preposition) scan-type	Sets the file scanning type for a preposition directive.	preposition configuration	application-accelerator
(config-preposition) schedule	Sets the schedule for a preposition directive.	preposition configuration	application-accelerator
scp	Specifies the SCP client.	privileged-level EXEC	All
script	Checks the errors in a script or executes a script.	privileged-level EXEC	All
(config-preposition) server	Sets the file server for a preposition directive.	preposition configuration	application-accelerator
(config-ssl-accelerated) server-cert-key	Configures a certificate and private key.	SSL accelerated service configuration	All
(config-ssl-accelerated) server-cert-verify	Enables verification of server certificates.	SSL accelerated service configuration	All
(config-ssl-accelerated) server-domain	Configures the accelerated server domain and TCP port.	SSL accelerated service configuration	All
(config-ssl-accelerated) server-ip	Configures the accelerated server IP address and TCP port.	SSL accelerated service configuration	All
(config-ssl-accelerated) server-name	Configures the accelerated server hostname and TCP port.	SSL accelerated service configuration	All
setup	Configures the basic configuration settings. Invokes the interactive setup utility.	privileged-level EXEC	All
show aaa accounting	Displays the AAA accounting configuration.	user-level EXEC and privileged-level EXEC	All
show aaa authorization	Displays the AAA authorization configuration.	user-level EXEC and privileged-level EXEC	All
show accelerator	Displays the status and configuration of the application accelerators.	privileged-level EXEC	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.	privileged-level EXEC	All
show authentication	Displays the authentication configuration.	user-level EXEC and privileged-level EXEC	All

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
show auto-discovery	Displays auto-discovery information for a WAE.	user-level EXEC and privileged-level EXEC	application-accelerator
show auto-register	Displays the status of the autoregistration feature for a WAE.	privileged-level EXEC	application-accelerator
show banner	Displays the message of the day, login, and EXEC banner settings.	privileged-level EXEC	All
show bypass	Displays the bypass configuration of a WAE.	user-level EXEC and privileged-level EXEC	application-accelerator
show cache http-metadatacache	Displays HTTP metadata cache information.	privileged-level EXEC	application-accelerator
show cdp	Displays the CDP configuration.	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.	privileged-level EXEC	All
show cms secure-store	Displays the secure disk encryption status.	privileged-level EXEC	All
show crypto	Displays crypto layer information.	user-level EXEC and privileged-level EXEC	All
show debugging	Displays the state of each debugging option.	privileged-level EXEC	All
show device-id	Displays the device ID.	user-level EXEC and privileged-level EXEC	All
show device-mode	Displays the device mode.	privileged-level EXEC	All
show directed-mode	Displays directed mode information.	user-level EXEC and privileged-level EXEC	application-accelerator
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 filtering list	Displays TFO flow information for a WAE.	privileged-level EXEC	application-accelerator
show flash	Displays the flash memory information.	privileged-level EXEC	All
show hardware	Displays the system hardware information.	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.	privileged-level EXEC	All
show interface	Displays the hardware interface information.	privileged-level EXEC	All
show inventory	Displays the system inventory information.	privileged-level EXEC	All

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
show ip access-list	Displays the information about access lists that are defined and applied to specific interfaces or applications.	privileged-level EXEC	All
show ip routes	Displays the IP routing table.	privileged-level EXEC	All
show kdump	Displays the kernel crash dump information.	privileged-level EXEC	All
show kerberos	Displays the Kerberos authentication configuration.	user-level EXEC and privileged-level EXEC	All
show key-manager	Displays the key manager information for a WAAS device	privileged-level EXEC	All
show license	Displays the license information.	privileged-level EXEC	All
show logging	Displays the system logging configuration.	user-level EXEC and privileged-level EXEC	All
show memory	Displays the memory blocks and statistics.	privileged-level EXEC	All
show ntp	Displays the NTP configuration status.	user-level EXEC and privileged-level EXEC	All
show peer optimization	Displays the configured serial peers for a WAE.	privileged-level EXEC	application-accelerator
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.	privileged-level EXEC	All
show processes	Displays the process status.	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.	privileged-level EXEC	All
show services	Displays information related to services.	privileged-level EXEC	All
show smb-conf	Displays the smb-conf configurations.	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.	privileged-level EXEC	All
show startup-config	Displays the startup configuration.	privileged-level EXEC	All
show statistics accelerator	Displays the application accelerator statistics information.	privileged-level EXEC	application-accelerator
show statistics aoim	Displays AO (accelerator) Information Manager statistics.	privileged-level EXEC	application-accelerator

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
show statistics application	Displays the status of the application statistics.	privileged-level EXEC	All
show statistics authentication	Displays the authentication statistics.	user-level EXEC and privileged-level EXEC	All
show statistics auto-discovery	Displays TFO auto-discovery statistics for a WAE.	user-level EXEC and privileged-level EXEC	application-accelerator
show statistics cifs	Displays the CIFS statistics information.	user-level EXEC and privileged-level EXEC	application-accelerator
show statistics connection	Displays the connection statistics for a WAE.	privileged-level EXEC	application-accelerator
show statistics connection auto-discovery	Displays the auto-discovery connection statistics for a WAE.	privileged-level EXEC	application-accelerator
show statistics connection closed	Displays the closed connection statistics for a WAE.	privileged-level EXEC	application-accelerator
show statistics connection conn-id	Displays the connection ID statistics for a WAE.	privileged-level EXEC	application-accelerator
show statistics connection egress-methods	Displays detailed egress method-related information about the connection segments for a WAE.	privileged-level EXEC	application-accelerator
show statistics connection optimized	Displays optimized information about the connection segments for a WAE.	privileged-level EXEC	application-accelerator
show statistics connection pass-through	Displays pass through information about the connection segments for a WAE.	privileged-level EXEC	application-accelerator
show statistics crypto ssl ciphers	Displays crypto SSL cipher usage statistics.	privileged-level EXEC	application-accelerator
show statistics datamover	Displays internal datamover information.	user-level EXEC and privileged-level EXEC	application-accelerator
show statistics directed-mode	Displays directed mode statistics.	user-level EXEC and privileged-level EXEC	application-accelerator
show statistics dre	Displays the Data Redundancy Elimination (DRE) statistics for a WAE.	privileged-level EXEC	application-accelerator
show statistics filtering	Displays TFO flow statistics for a WAE.	user-level EXEC and privileged-level EXEC	application-accelerator
show statistics flow	Displays the flow statistics.	user-level EXEC and privileged-level EXEC	application-accelerator
show statistics generic-gre	Displays the generic GRE tunnel 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

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
show statistics netstat	Displays the Internet socket connection statistics.	user-level EXEC and privileged-level EXEC	All
show statistics pass-through	Displays the pass-through statistics.	privileged-level EXEC	application-accelerator
show statistics peer	Displays the DRE peer statistics for a WAE.	privileged-level EXEC	application-accelerator
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 synq	Displays statistics for the SynQ module.	user-level EXEC and privileged-level EXEC	application-accelerator
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 vn-service vpath	Displays the VPATH statistics for a vWAAS device.	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 statistics windows-print requests	Displays the Windows print accelerator statistics.	user-level EXEC and privileged-level EXEC	application-accelerator
show synq list	Displays connections for the SynQ module.	privileged-level EXEC	application-accelerator
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.	privileged-level EXEC	All
show telnet	Displays the Telnet services configuration.	privileged-level EXEC	All

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
show tfo tcp	Displays TFO TCP buffer information.	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.	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 virtual-blade	Displays virtual blade information on your WAE device.	privileged-level EXEC	application-accelerator
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
(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	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 trap-source	Configures the SNMP trap source.	global configuration	All
(config) snmp-server user	Defines a user who can access the SNMP engine.	global configuration	All

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
(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
test	Performs diagnostic tests and displays the results.	user-level EXEC and privileged-level EXEC	All
tethereal	Analyzes network traffic from the command line.	privileged-level EXEC	All
(config) tfo exception	Configures TFO exception handling.	global configuration	application-accelerator
(config) tfo optimize	Configures TFO optimization for DRE or full generic optimization on the WAE.	global configuration	application-accelerator
(config) tfo tcp adaptive-buffer-sizing	Configures TFO optimization with TCP adaptive buffer sizing.	global configuration	application-accelerator
(config) tfo tcp keepalive	Configures TFO optimization with a TCP keepalive on a WAE.	global configuration	application-accelerator
(config) tfo tcp optimized-mss	Configures TFO optimization with an 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

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
(config) tfo tcp original-receive-buffer	Configures TFO optimization with an unoptimized-side receive buffer on a WAE.	global configuration	application-accelerator
(config) tfo tcp original-send-buffer	Configures TFO optimization with an unoptimized-side send buffer on a WAE.	global configuration	application-accelerator
top	Displays the current top CPU activities.	privileged-level EXEC	All
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
(config) username	Establishes the username authentication.	global configuration	All
(config-ssl-accelerated) version	Specifies the type of SSL protocol to use for accelerated services.	SSL accelerated service configuration	All
(config-ssl-global) version	Specifies the type of SSL protocol to use for global services.	SSL global service configuration	All
(config-ssl-peering) version	Specifies the type of SSL protocol to use for management services.	SSL host peering service configuration	All
(config-ssl-mgmt) version	Specifies the type of SSL protocol to use for management services.	SSL management service configuration	All
virtual-blade	Executes general operations on a virtual blade.	privileged-level EXEC	application-accelerator
(config) virtual-blade	Configures virtual blades on your WAE device.	global configuration	All
vm	Initializes the virtual machine, and configures the host clock sync setting.	privileged-level EXEC	application-accelerator
(config) vn-service vpath	Enables or disables VPATH interception for a vWAAS device.	global configuration	All
(config-vb) vnc	Enables or disables the VNC server for the virtual blade on your WAE.	virtual blade configuration	application-accelerator
wafs	Performs a 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	Enables the WCCP flow redirection on a WAE.	global configuration	application-accelerator

Table 2-1 Command Summary (continued)

Command	Description	CLI Mode	Device Mode
(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 shut down.	global configuration	application-accelerator
(config) wccp tcp-promiscuous mask	Configures the TCP promiscuous mode service (WCCP Version 2 services 61 and 62) on a WAE.	global configuration	application-accelerator
(config) wccp tcp-promiscuous router-list-num	Configures the TCP promiscuous mode service (WCCP Version 2 services 61 and 62) router list 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