#### About the Web Interface

This guide details the commands available on the Web and the Command Line Interfaces. The tables contained in this document reference the CLI commands and the equivalent Web Interface menu items that allow the same configuration to be made using the web interface.

#### **About the Command Line Interface**

To use the command line interface (CLI) of your unit, please refer to the following points for assistance:

- When initially accessing the CLI, press Enter when prompted. The User View displays. This is indicated by the chevron brackets around the name of the unit at the prompt, for example, <4500>.
- In System View, square brackets appear around the name of the unit at the prompt, for example, [4500].
- You must be in the System View menu to access the configurable CLI commands.
- Some commands can be entered directly at any prompt from anywhere in the interface.
- If you enter part of a command followed by a ? (with no space between), the CLI will show you all the commands that begin in that way.

#### ■ To display command parameters:

At the prompt, enter the name of the command followed by a space and ?. For example:

<4500>boot ?

The following parameters are displayed:

boot-loader

bootrom

<4500>

To specify boot loader, enter the command as follows:

<4500>boot boot-loader ?

You only need to enter? if parameters exist for the command.

#### ■ To display parent menus:

At the prompt, enter quit.

#### ■ To display the User View menu:

Press <CTRL+Z>.

#### ■ To obtain help:

At the prompt, enter ?.

- The term 'view' may be used interchangeably with the term 'menu'.
- The undo command is placed before the command you wish to undo, for example, undo set authentication password.
- <CTRL+A> places the cursor back to the start of the command line.
- Enter the first few characters of a command and press TAB to enter the full command without having to input the entire command (where there is only one command that starts with the entered characters).
- Use the Up Arrow key at the prompt to repeat the previous command string.
- Use Delete to delete the character after the cursor; Backspace deletes the character before the cursor.
- When entering physical port numbers, Enter the port number as x/0/z, where x is the unit number and z is



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#### **Further Information**

For further information about how to use the command line interface, refer to the Command Reference Guide and the Configuration Guide, which are both available as PDF documents on the CD that accompanied the unit.

#### Menus

This section provides a summary of menus and commands supported by the agent for each of the supported hardware platform variants. Any matching web commands available in the web interface are also shown.

Commands marked with '\*' are available on the Switch 4500 PWR only.

Table 1 Command Line Editing

<ctrl+a></ctrl+a>	Moves the cursor to the start of the command line
<tab></tab>	Command completion

Table 2 Commands Available in Any View

Command	Description	Web Command
?	Help	
display	Display current system information	
display acl	View detailed configuration information about the ACL	
display am	View the status of access management function	
display arp	View the ARP mapping table	
display arp timer aging	View the current setting of the dynamic ARP map aging timer	
display boot-loader	View the APP file used for this boot and the one that will be used at next boot	
display channel	View details about the information channel	
display clock	View the date and time	
display config-agent	View statistics of the configuration agent	
display connection	View the connection information of all or specified users	
display cpu	Display the occupancy of the CPU	
display current- configuration	Display the current configuration parameters	
display debugging	View the enabled debugging process	
display device	Display device information	
display dhcp client	View detailed information about address allocation to DHCP client	
display dhcp-server	View information about DHCP server group	
display dhcp-server interface vlan-interface	View information about the DHCP server group corresponding to the VLAN interface	
display diagnostic- information	View the current configuration information about all running modules	
display domain	View the configuration of ISP domains	
display dot1x	View the relevant information of 802.1x	
display fan	View the working state of the built-in fans	
display fib	View the summary of the Forwarding Information Base	
display fib ip_address	View the FIB entries matching a destination IP address (range)	
display fib acl	View the FIB entries matching a specific ACL	
display fib ip-prefix	View the FIB entries matching a specific prefix list	
display fib statistics	View the total number of FIB entries	
display ftm route	Display Fabric topology management route	
display ftm information	Display Fabric topology management information	
display ftm topology database	Display Fabric topology management database	
display ftp-server	View the parameters of the current FTP server	



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Command	Description	Web Command
display history-command	View the saved history of commands	
display icmp statistics	View the statistics information about ICMP packets	
display igmp-snooping configuration	View IGMP snooping configuration information	
display igmp-snooping group	View IP multicast groups and MAC multicast groups	
display igmp-snooping statistics	View the statistics information on IGMP snooping	
display info-center	View the configuration of system log and the information recorded in the memory buffer	
display interface	View port configuration information	Port -> Statistics
display interface vlan- interface	View the information about specified or all VLAN interfaces	
display ip host	View all the host names and the corresponding IP addresses	
display ip interface vlan- interface	View the information of an IP interface	
display ip ip-prefix	View the IP address prefix list	
display ip socket	Display the information about the sockets in the current system	
display ip statistics	View the statistics information about IP packets	
display ip routing-table	View the routing table summary	
display ip routing-table X.X.X.X	View the routing information of the specified destination address	
display ip routing-table X.X.X.X X.X.X.X	View the routing information in the specified destination address range	
display ip routing-table acl	View the route filtered through specified basic access control list (ACL)	
display ip routing-table ip- prefix	View the route information that passed the filtering rule according the input ip prefix list name	
display ip routing-table protocol	View the route information of specified protocol	
display ip routing-table radix	View radix tree of routing table	
display ip routing-table statistics	Summary statistics of all routes	
display ip routing-table verbose	Detail information of routing table	
display isolate port	View port isolation information	
display lacp system-id	View actor system ID	
display link-aggregation interface	View detailed link aggregation information at a designated port	
display link-aggregation summary	View summary information of all aggregation groups	
display link-aggregation verbose	View detailed information of a designated port	
display local-user	View the relevant information of all (or specified) local users	
display local-server statistics	View the configuration information of local RADIUS server group	
display loopback-detection	View if port loopback detection has been enabled and details	
display mac-address	View MAC address table information	
display mac-address aging- time	View the aging time of the dynamic entry in the MAC address table	
display mac-authentication	Display the global information on centralized MAC address authentication	
display memory	Display memory information	



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Description   Description   Web Command		344-BLF Document 345-4 Filed 07/01/16	raye 5 01 10
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Command	Description	Web Command
display snmp-agent group	View group name, safe mode, state of various views and storage modes	
display snmp-agent mib-view	View the MIB view configuration information of the Switch	
display snmp-agent statistics	View current state of SNMP communication	
display snmp-agent sys-info	View the system information of SNMP configuration	
display snmp-agent usm-user	View information of all the SNMP usernames in the group username list	
display ssh server status	Display the SSH server status information	
display ssh server session	Display SSH server session information	
display ssh server-info	Display SSH Server information	
display ssh user-information	Display information of about the user, including username, corresponding key, and authentication type	
display startup	Display configuration filenames used for system start-up.	
display stop-accounting- buffer radius-scheme	View the stop accounting buffer radius-scheme requests	
display stop-accounting- buffer session id	Display the stop accounting session identifier	
display stop-accounting- buffer time-range	View the stop accounting time range	
display stop-accounting- buffer user-name	Display the stop accounting user name	
display tcp statistics	View the statistics information about TCP packets	
display tcp status	View the TCP connection state	
display this	Display the running configuration of the current view	
display udp-helper server	View the information of destination Helper server corresponding to a VLAN interface	
display udp statistics	View UDP traffic statistic information	
display unit	View information about the port in a specific unit. Specify unit number and interface.	
display user-interface	View information about the user interface	
display users	View information about the current user interface	
display version	Display software version, issue date and the basic hardware configurations	
display voice vlan oui	Display the OUI address supported by the current system	
display voice vlan status	Display information about Voice VLAN features	
display vlan	View information about the specified or all VLANs	
display xrn-fabric	View the information of the entire xrn fabric	
quit	Exit from current command view	
super	Assign user a higher user level.	
return	Return to user view from any view other than user view	
tracert	Check the network routes and troubleshoot the network	

#### Table 3 User View

<4500>

Command	Description	Web Command
boot boot-loader	Specify the application file (.app) used for booting the Swi	tch
boot bootrom	Upgrade bootrom	
cd	Change the current directory	
clock datetime	Configure the current date and time	



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