



Avaya Command Line Interface Commands Reference

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Introduction

This guide describes the Avaya Command Line Interface (ACLI) commands for the configuration of various features in Avaya ERS3500 for the 5.1 release.

This document provides two different ways of navigating ACLI command documentation.

- [alphabetically](#) Each command is listed corresponding to the first letter of the command.
- [command mode](#) Each command mode page has a list of commands that are available in that mode. Each page is organized alphabetically for those commands in that mode.

Use the 'find-in-page' function of the browser to search for a command based on the page you are viewing. Most browsers launch 'find' using CTRL+F.

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adac call-server-port

Set call server port(s) range

Syntax

- `<port-number>`

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<code><callserver-port-number></code>	Set call server port(s) range

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adac enable

Enable adac

Syntax

- `<call-server-port > < op-mode> <uplink-port> <voice-vlan >`

Default

The default value is disabled.

Command mode

Global configuration mode

Command parameters

Parameter	Description
enable	Enable ADAC

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adac mac-range-table low-end

Add the low end of the MAC address range to adac settings

Syntax

- <H.H.H>

Default

None

Command mode

Global configuration mode

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adac op-mode tagged-frames

ADAC operation mode is set and the IP phones send tagged frames

Syntax

- `<call-server-port > < op-mode> <uplink-port> <voice-vlan >`

Default

None

Command mode

Global configuration mode

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adac port

Port number(s) for which to change settings

Syntax

- `adac port [LINE] enable`

Default

None

Command mode

FastEthernet Interface configuration mode

Command parameters

Parameter	Description
<port-list>	List of ports for changing adac settings

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adac tagged-frames-pvid

Set the PVID to be configured for telephony ports in Tagged Frames operating mode

Syntax

Default

None

Command mode

FastEthernet Interface configuration mode

Command parameters

Parameter	Description
enable	Enable auto-detection on ports

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adac tagged-frames-tagging

Set the tagging to be configured for telephony ports in Tagged Frames operating mode

Syntax

Default

None

Command mode

FastEthernet Interface configuration mode

Command parameters

Parameter	Description
enable	Enable tagging of frames



Command: adac traps enable

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adac traps enable

Syntax

-

Default

None

Command mode

FastEthernet Interface configuration mode

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adac uplink-port

Set uplink port(s) range

Syntax

- `adac uplink-port <port-list> [call-server-port] <port-list>`

Default

None

Command mode

Interface configuration mode

Command parameters

Parameter	Description
<code><port-number></code>	Uplink port(s) range
<code><port-number> call-server-port <callserver-port-number></code>	Sets call server port(s) range

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adac voice-vlan

Set Voice-VLAN

Syntax

- `adac voice-vlan <1-4094>`

Default

None

Command mode

Interface configuration mode

Command parameters

Parameter	Description
<code><vlan-id></code>	Voice-VLAN ID
<code><vlan-id> call-server-port <callserver-port-number></code>	Sets the call server port range for the specified vlan id
<code><vlan-id> uplink-port <port-number></code>	Sets the uplink port range for the specified vlan id

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arp

Configure a static ARP entry

Syntax

- arp [<A.B.C.D> <H.H.H> <WORD> <id> <1-4094> | timeout <5-360>]

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<ip-address > H.H.H (or xx:xx:xx:xx:xx:xx or xx-xx-xx-xx-xx-xx)	IP addr of ARP entry
timeout <5-360>	time limit for the ARP entry to exist

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asset-id

Configure the Asset-ID

Syntax

- asset-id [stack <WORD> | unit <1-8> <WORD> | <WORD>]

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
stack WORD	Specifies the Asset-ID for the Stack
unit <1-8> WORD	Asset-ID of this unit

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auto-negotiation-advertisements

Configure auto-negotiation advertisement settings

Syntax

- auto-negotiation-advertisements [<10-full> <10-half> < 100-full> <100-half> <1000-full> <asym-pause-frame> < pause-frame>]

Default

None

Command mode

Interface Configuration Mode

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auto-pvid

Enable Auto-PVID (for all ports).

Syntax

- auto-pvid

Default

None

Command mode

Global configuration mode

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autosave enable

Enable autosave

Syntax

- `autosave enable`

Default

The default value is disabled.

Command mode

Global configuration mode

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autotopology

Enable the autotopology protocol

Syntax

- autotopology

Default

None

Command mode

Global configuration mode

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banner

Set custom banner info

Syntax

- banner [<1-19> <LINE> | custom | disabled | static]

Default

None

Command mode

Global configuration mode

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blink-leds

Blink the LEDs on the display panel to identify the unit

Syntax

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
off	Stop blinking the LEDs
time <1-10>	Time duration (in minutes) for the LEDs to blink
unit <1-8>	

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boot

Reset the switch/stack

Syntax

- `boot [default unit <1-8> | unit <1-8>]`

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
default	Reboot the stack/switch and use the factory default configurations
unit <1-8>	Specifies the unit number to be rebooted on the switch/stack

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clear arp-cache

Clear the Layer 3 ARP cache

Syntax

- clear arp-cache

Default

None

Command mode

Privileged EXEC Mode

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clear ip-blocking

Clear the Layer 3 IP blocking state

Syntax

- `clear ip-blocking`

Default

None

Command mode

Privileged EXEC Mode

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clear ip forward-protocol

Clear broadcast protocols counters

Syntax

- `clear ip forward-protocol udp counters <LINE>`

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
<code>udp counters <vlan-id></code>	Clear counters for specific VLAN

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Command: clear license

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clear license

Clear licenses

Syntax

-

Default

None

Command mode

Privileged EXEC Mode

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clear logging

Clear log messages (with no parameters, from DRAM only)

Syntax

- clear logging [non-volatile <critical> <serious>|nv|volatile <critical> <informational> <serious>]

Default

None

Command mode

Privileged EXEC Mode

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clear mac-address-table

Flush addresses from Mac Address Table

Syntax

- clear mac-address-table [address <H.H.H>| interface <FastEthernet LINE>|mlt <1-6>|vlan <1-4094>]

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
address H.H.H (or xx:xx:xx:xx:xx:xx, or xx- xx-xx-xx-xx-xx)	Address to be flushed out (i.e. H.H.H or xx.xx.xx.xx.xx.xx or xx-xx-xx-xx-xx-xx or xx:xx:xx:xx:xx:xx) from the mac-address-table
interface FastEthernet LINE	List of ports to be flushed out from the MAC address table
interface mlt <1-6>	Specific trunk for the MAC address to be flushed out
interface vlan <vlan-id>	Vlan to be flushed out from the MAC address table

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clear stack port-statistics

Clear stack port counters

Syntax

- `clear stack port-statistics`

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
<code>unit <1-8></code>	Clears the stack port counters

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clear-stats

Clears the port counter

Syntax

- `clear-stats port <LINE>`

Default

None

Command mode

Interface Configuration Mode

Command parameters

Parameter	Description
<code>port <port-list></code>	Selects a port to clear the port counter

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clear system last-exception

Clear last software exception information.

Syntax

- `clear system last-exception`

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
<code>unit <1-8></code>	Clears the last software exception information

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cli password

Modify cli passwords

Syntax

- cli password [<read-only> <read-write>]

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
read-only <password-name> password	Modify read-only password
read-write <password-name> password	Modify read-write password

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cli password serial

Enable/disable serial port password.

Syntax

- cli password serial [local|none|radius|tacacs]

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
local	Use local password.
none	Disable password.
radius	Use RADIUS password authentication.
tacacs	Use TACACS+ AAA services

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cli password stack

Modify stack passwords

Syntax

- cli password stack [local|none|radius|tacacs]

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
read-only <password-name> password	Modify read-only password
read-write <password-name> password	Modify read-write password

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cli password switch serial

Enable/disable serial port password.

Syntax

- cli password switch [local|none|radius|tacacs]

Default

None

Command mode

Global configuration mode

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cli password telnet

Enable/disable telnet and web password.

Syntax

- cli password telnet [local|none|radius|tacacs]

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
local	Use local password.
none	Disable password.
radius	Use RADIUS password authentication.
tacacs	Use TACACS+ AAA services

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clock summer-time

Configure the system to automatically switch to summer time (daylight saving time)

Syntax

- clock summer-time [recurring <1-5> <DAY> <MONTH> <hh:mm> | <WORD> date <1-31> <MONTH> <1990-2099> <hh:mm> <1-31> <MONTH>]

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<timezone acronym> date <1-31> <month-name> <1999-2099> hh:mm <1-31> <month-name> <1999-2099> hh:mm	Indicates the start of summer time on the first specific date, month and time listed in the command and end the second specific date in the command

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clock time-zone

Set local time zone

Syntax

- clock time-zone [WORD <-12 - 13> <0-59>]

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<timezone acronym> <-12 - 13> <0-59>	Sets the time zone acronym containing at most 4 chars; Setting the hour and minute difference from the UTC

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configure network

Configure from a TFTP network host

Syntax

- configure network [address <A.B.C.D> filename <WORD> | <WORD> filename <WORD>] [filename <WORD> address <A.B.C.D> | <WORD>]

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
address <ipv4 or ipv6> filename <filename>	Specifies the IPv4 or IPv6 address of TFTP server
load-on-boot disable	Disable loading of config file at boot time
load-on-boot use-bootp	Load config file at boot time using BOOTP
load-on-boot use-config address <ipv4 or ipv6> filename <filename>	Load config file at boot time using configured parameters

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configure terminal

Configure from the terminal

Syntax

- `configure terminal`

Default

None

Command mode

Privileged EXEC Mode

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copy config

Copy from current configuration

Syntax

- `copy config [nvram|sftp|tftp]`

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
<code>nvram</code>	Copy to local NV storage
<code>tftp address <ipv4 or ipv6></code>	Specify the IP or IPv6 address to be copied on
<code>filename <filename></code>	the TFTP server

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copy running-config

Copy from current configuration as a series of CLI commands

Syntax

- copy running-config [sftp <address>|<filename>|<module>|<verbose>] [tftp <address>|<filename>|<module>|<verbose>]

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
tftp address <ipv4 or ipv6> filename <filename>	Specify address of the TFTP server to copy from current configuration as a series of CLI commands
tftp module <config module name>	Copy configuration of an application
tftp verbose address <ipv4 or ipv6> filename <filename>	Specify address of the TFTP server to copy entire configuration (defaults and non-defaults)
tftp verbose module <config module name>	Copy configuration of an application

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copy tftp

Copy configuration from TFTP server

Syntax

- `copy tftp config [address <A.B.C.D>|<WORD>]`

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
<code>config <ipv4 or ipv6> filename <filename></code>	Specify address of the TFTP server to copy to local configuration
<code>license <ipv4 or ipv6> filename <filename></code>	



Command: default

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default

Set a command to its defaults

Syntax

Default

None

Command mode

Global configuration mode

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default http-port

Restore to default the TCP port on which web server will listen

Syntax

- default http-port

Default

None

Command mode

Global configuration mode

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disable

Turn off privileged commands

Syntax

Default

None

Command mode

Privileged EXEC Mode

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download address

Specify IP address of TFTP server

Syntax

- download address [<A.B.C.D>|<WORD>]

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
<ipv4 or ipv6>	Specify IP address of TFTP server
<ipv4 or ipv6> diag <filename>	Specifies the diagnostics image file name to be downloaded
<ipv4 or ipv6> image <filename>	Specifies the software image to be downloaded
<ipv4 or ipv6> image-if-newer <filename>	The image name to be donloaded if it is newer version of the software image

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download diag

Specify diagnostics image file name

Syntax

- download diag [<WORD> no-reset]

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
<filename>	Specifies the diagnostics image file name to be downloaded
<filename> no-reset	Does not reset the switch after downloading the specified image file

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download image

Specify software image

Syntax

- download image [<WORD> no-reset]

Default

None

Command mode

Privileged EXEC Mode

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download no-reset

Do not reset the switch after downloading

Syntax

- `download no-reset`

Default

None

Command mode

Privileged EXEC Mode

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duplex

Configure duplex mode of a port

Syntax

- `duplex[auto|full|half|port <port-list>]`

Default

None

Command mode

Interface Configuration Mode

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eapol

Enable/disable EAPOL protocol.

Syntax

Default

None

Command mode

Privileged EXEC Mode

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eapol guest-vlan

Set guest-vlan

Syntax

- eapol guest-vlan [enable <vid> <1-4094>|global]

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
<enable disable>	Enable/Disable the guest-vlan
vid <1-4094>	Specifies the guest VLAN ID

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eapol-multihost

Set EAPOL multihost settings of port

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
allow-non-eap-enable	Control of non-EAP clients (MAC addresses)
auto-non-eap-mhsa-enable	Allow auto-auth of non-EAP clients
eap-packet-mode multicast	Send initial EAP requests multicast
eap-packet-mode unicast	Send initial EAP requests unicast
non-eap-phone-enable	Allow non-eap phone clients
non-eap-reauthentication-enable	
non-eap-use-radius-assigned-vlan	Allow the use of VLAN IDs assigned by RADIUS for non-EAP clients
radius-non-eap-enable	Enable RADIUS authentication of non-eap clients
use-most-recent-radius-vlan	Allow the use of most recent RADIUS vlan
use-radius-assigned-vlan	Allow the use of VLAN IDs assigned by RADIUS

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edm help-file-path

Set the EDM help file path

Syntax

- edm help-file-path

Default

None

Command mode

User EXEC mode

Command parameters

Parameter	Description
WORD	Specifies the EDM help file path

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enable

Turn on privileged commands

Syntax

- enable

Default

None

Command mode

Global configuration mode

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end

Exit from configure mode

Syntax

- end

Default

None

Command mode

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exit

Exit from configure mode

Syntax

- exit

Default

None

Command mode

User EXEC mode

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flowcontrol

Configure flow control mode of a port

Syntax

- `flowcontrol [asymmetric|auto|disable|port<port-list>|symmetric]`

Default

None

Command mode

Interface Configuration Mode

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help commands

Show commands available

Syntax

- `help commands mode [application|config | current | exec | ifconfig | interface | privExec]`

Default

None

Command mode

User EXEC mode

Command parameters

Parameter	Description
<code>mode config</code>	Show commands available in Global Configuration Mode current
<code>mode current</code>	Show commands available in current configuration mode
<code>mode exec</code>	Show commands available in executive mode
<code>mode ifconfig</code>	Show commands available in Interface Configuration Mode
<code>mode interface</code>	Show commands available in Interface Configuration Modes
<code>mode privExec</code>	Show commands available in Privileged Executive Mode

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http-port

Set the TCP port on which web server will listen

Syntax

- `http-port <1024-65535>`

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<1024-65535>	Specifies the http port number

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install

Quick Install & Setup Script

Syntax

- `install`

Default

None

Command mode

Privileged EXEC Mode

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interface FastEthernet

FastEthernet IEEE 802.3

Syntax

- `interface FastEthernet <LINE>`

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<code><port-number></code>	Specifies a port number for interface configuration

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interface vlan

Layer 3 IP VLAN

Syntax

- interface vlan <vid>

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<vlan-id> default	
<vlan-id> ip	
<vlan-id> ipv6	



Command: ip address

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ip address

Set switch/stack IP address

Syntax

- ip address <A.B.C.D> | netmask <A.B.C.D> | source | stack <A.B.C.D> | switch <A.B.C.D> | unit <1-8>]

Default

None

Command mode

Global configuration mode

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ip arp

Syntax

- ip arp <A.B.C.D> | timeout <5-360>

Default

None

Command mode

Global configuration mode

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ip arp-inspection

Enable ARP inspection

Syntax

- ip arp-inspection vlan <1-4094>
- ip arp-inspection vlan <1-4094>

Default

None

Command mode

Global configuration mode

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ip blocking mode

Configure the Layer 3 IP blocking mode

Syntax

- `ip blocking mode [full|none]`

Default

None

Command mode

Global configuration mode

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ip bootp

Config BOOTP services

Syntax

- `ip bootp server [always|default-ip|disable|last]`

Default

None

Command mode

Global configuration mode

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ip default-gateway

Specify default gateway (if not routing IP)

Syntax

- `ip default-gateway <A.B.C.D>`

Default

None

Command mode

Global configuration mode

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ip dhcp client lease

Configure DHCP lease time

Syntax

- ip dhcp client lease <10-4294967295>[days <1-49710> | hours <1-1193046> | minutes <1-71582788> | weeks <1-7101>]

Default

None

Command mode

Global configuration mode

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ip dhcp-relay

Enable DHCP relay

Syntax

- `ip dhcp-relay [fwd-path | max-frame | option82]`

Default

None

Command mode

Global configuration mode

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ip dhcp-relay fwd-path

Configure DHCP relay forward path

Syntax

- ip dhcp-relay fwd-path <A.B.C.D>

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<agent-IP-addr> <dhcp-server-IP-addr> disable	
<agent-IP-addr> <dhcp-server-IP-addr> enable	

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ip dhcp-relay max-frame

Set the maximum length of DHCP packets for relay

Syntax

- ip dhcp-relay max-frame <576-1536>

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<576-1536>	starting with this value option82 is not added anymore

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ip dhcp-relay option82

Enable option 82 for DHCP Relay

Syntax

- ip dhcp-relay option82

Default

None

Command mode

Global configuration mode

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ip dhcp-server

Configure the DHCP server settings

Syntax

Default

None

Command mode

Global configuration mode

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ip dhcp-server lease

Configure global lease time

Syntax

Default

None

Command mode

Global configuration mode

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ip dhcp-server option-3

Configure global list of routers

Syntax

Default

None

Command mode

Global configuration mode

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ip dhcp-server option-6

Configure global list of DNS servers

Syntax

Default

None

Command mode

Global configuration mode

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ip dhcp-server pool

Create/modify a DHCP server pool

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<pool-name> option-6 <dns-server-ip-addresses>	Configure DNS servers

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ip dhcp-snooping

Configure DHCP snooping settings

Syntax

- `ip dhcp-snooping binding <1-4094>`

Default

None

Command mode

Global configuration mode

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ip dhcp-snooping vlan

Configure DHCP snooping VLANs

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<1-4094>	Configure DHCP snooping VLANs
<1-4094> option82	Enable option 82 for DHCP snooping

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ip directed-broadcast

Enabled directed broadcast forwarding

Syntax

Default

None

Command mode

Global configuration mode



Command: ip domain-name

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ip domain-name

Configure DNS domain name

Syntax

Default

None

Command mode

Global configuration mode

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ip forward-protocol

Configure broadcast forwarding

Syntax

- `ip forward-protocol udp <1-65535>`

Default

None

Command mode

Global configuration mode

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ip igmp flush vlan

Flush on vlan interfaces

Syntax

- ip igmp flush vlan <1-4094>

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
<1-4094> grp-member	Specifies the group member to flush the VLAN interfaces
<1-4094> mrouter	Specifies the mrouter address to flush the VLAN interfaces

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ip mgmt

Configure management information

Syntax

- `ip mgmt route <A.B.C.D>`

Default

None

Command mode

Global configuration mode

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ipmgr snmp

Enable IP Manager control over SNMP traffic.

Syntax

- `ipmgr snmp`

Default

None

Command mode

Global configuration mode

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ipmgr source-ip

Set source IP address from which connections are allowed

Syntax

- ipmgr source-ip <1-50> <51-100>

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<1-50> <ipv4 addr/mask>	Select which address/mask pair

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ipmgr telnet

Enable IP Manager control over TELNET sessions.

Syntax

- ipmgr telnet

Default

None

Command mode

Global configuration mode

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ipmgr web

Enable IP Manager control over WEB connections.

Syntax

- ipmgr web

Default

None

Command mode

Global configuration mode

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ip name-server

Configure DNS server IP addresses

Syntax

- `ip name-server <A.B.C.D> | <WORD>]`

Default

None

Command mode

Global configuration mode

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ip route

Create a static IP route

Syntax

- `ip route <A.B.C.D>`

Default

None

Command mode

Global configuration mode

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ip routing

Enable global routing

Syntax

- ip routing force

Default

None

Command mode

Global configuration mode

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ipv6 address

Configure stack/switch/unit IPV6 address/prefix_length

Syntax

- `ipv6 address [stack <WORD> | switch <WORD> | unit <1-8> | <WORD>]`

Default

None

Command mode

Global configuration mode

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ipv6 default-gateway

Configure IPv6 default gateway

Syntax

- `ipv6 default-gateway <WORD>`

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<code><ipv6 addr></code>	Configure IPv6 default gateway

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ipv6 enable

Enable IPv6 global admin status

Syntax

- `ipv6 enable icmp [ block-multicast-replies|error-interval | error-quota | unreachable-msg]`

Default

None

Command mode

Global configuration mode

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ipv6 neighbor

Configure neighbor cache

Syntax

- `ipv6 neighbor <WORD>`

Default

None

Command mode

Global configuration mode

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ip verfiy

Enables the IP Source Guard

Syntax

- ip verify source interface FastEthernet WORD

Default

None

Command mode

Global configuration mode

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lacp aggregation

Enable port aggregation mode

Syntax

- lacp aggregation port <port-list>

Default

None

Command mode

Interface Configuration Mode

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lacp clear-stats

Clear LACP statistics

Syntax

- lacp clear-stats port <port-list>

Default

None

Command mode

Interface Configuration Mode

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lacp key

Set key value for ports

Syntax

- lacp key <1-4095>

Default

None

Command mode

Interface Configuration Mode

Command parameters

Parameter	Description
<1-4095>	Set key value for ports

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lacp mode

Set LACP port mode

Syntax

- lacp mode [active|off|passive|port <port-list>]

Default

None

Command mode

Interface Configuration Mode

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lacp priority

Set port priority

Syntax

- lacp priority <0-65535> | port <port-list>

Default

None

Command mode

Interface Configuration Mode

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lacp system-priority

Set LACP system priority

Syntax

- lacp system-priority <0-65535>

Default

None

Command mode

Global configuration mode

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lacp timeout-time

Set port timeout

Syntax

- lacp timeout-time [long | port <port-list> | Short]

Default

None

Command mode

Interface Configuration Mode

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lldp config-notification

Enable notification on configuration change

Syntax

Default

None

Command mode

FastEthernet or GigabitEthernet Interface configuration mode

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Ildp location-identification civic-address

Location Configuration Information (LCI) of thr Civic Address

Syntax

Default

None

Command mode

FastEthernet or GigabitEthernet Interface configuration mode

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Ildp location-identification coordinate-base

Coordinate-Based Location Configuration Information (LCI)

Syntax

Default

None

Command mode

FastEthernet or GigabitEthernet Interface configuration mode

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Ildp location-identification ecs-elin

Location Configuration Information (LCI) on Emergency Call Service ELIN

Syntax

Default

None

Command mode

FastEthernet or GigabitEthernet Interface configuration mode

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Command: Ildp location-identification port

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Ildp location-identification port

Location Configuration Information (LCI) on port list

Syntax

Default

None

Command mode

FastEthernet or GigabitEthernet Interface configuration mode

Command parameters

Parameter	Description
<port-list> civic-address	Location Configuration Information (LCI) for civic address

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lldp med-fast-start (Global)

MED Fast Start repeat count value

Syntax

- `lldp med-fast-start <1-10>`

Default

None

Command mode

Global configuration mode

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lldp med-fast-start (port)

MED Fast Start repeat count value

Syntax

- `lldp med-fast-start <1-10>`

Default

None

Command mode

Interface Configuration Mode

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lldp notification-interval (Global)

Set notification interval value

Syntax

- `lldp notification-interval <5-3600>`

Default

None

Command mode

Global configuration mode

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lldp notification-interval (port)

Set notification interval value

Syntax

- `lldp notification-interval <5-3600>`

Default

None

Command mode

Interface Configuration Mode

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lldp port

Displays the port list

Syntax

- `lldp port`

Default

None

Command mode

FastEthernet or GigabitEthernet Interface configuration mode

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lldp reinit-delay (Global)

Set reinitialize delay value

Syntax

- `lldp reinit-delay <1-10>`

Default

None

Command mode

Global configuration mode

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lldp reinit-delay (port)

Set reinitialize delay value

Syntax

- `lldp reinit-delay <1-10>`

Default

None

Command mode

Interface Configuration Mode

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lldp status

Set 802.1ab port(s) admin status

Syntax

- lldp status

Default

None

Command mode

FastEthernet or GigabitEthernet Interface configuration mode

Command parameters

Parameter	Description
txOnly	Set 802.1ab port(s) admin status to transmit only

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lldp tx-delay (Global)

Set transmission delay value

Syntax

- `lldp tx-delay <1-8192>`

Default

None

Command mode

Global configuration mode

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lldp tx-delay (port)

Set transmission delay value

Syntax

- `lldp tx-delay <1-8192>`

Default

None

Command mode

Interface Configuration Mode

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lldp tx-hold-multiplier (Global)

Set transmission multiplier value

Syntax

- `lldp tx-hold-multiplier <2-10>`

Default

None

Command mode

Global configuration mode

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lldp tx-hold-multiplier (port)

Set transmission multiplier value

Syntax

- `lldp tx-hold-multiplier <2-10>`

Default

None

Command mode

Interface Configuration Mode

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lldp tx-interval (Global)

Set retransmission interval value

Syntax

- `lldp tx-interval <5-32768>`

Default

None

Command mode

Global configuration mode

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lldp tx-interval (port)

Set retransmission interval value

Syntax

- `lldp tx-interval <5-32768>`

Default

None

Command mode

Interface Configuration Mode

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lldp-tx-tlv

Enable TLVs for transmission

Syntax

Default

None

Command mode

FastEthernet or GigabitEthernet Interface configuration mode

Command parameters

Parameter	Description
sys-desc	System description TLV

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lldp vendor-specific avaya

Configure 802.1ab Avaya vendor-specific settings

Syntax

- lldp vendor-specific avaya [dot1q-framing | poe-conservation-request-level]

Default

None

Command mode

FastEthernet or GigabitEthernet Interface configuration mode

Command parameters

Parameter	Description
dot1q-framing auto	auto tagging-mode
dot1q-framing non-tagged	non-tagged tagging-mode
dot1q-framing tagged	tagged tagging-mode
poe-conservation-request-level <0-255>	PoE conservation request level



Command: lldp vendor-specific avaya call-server

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lldp vendor-specific avaya call-server

Configure call-server address(es)

Syntax

Default

None

Command mode

FastEthernet or GigabitEthernet Interface configuration mode

Command parameters

Parameter	Description
<ip-address>	Call-server address number

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Command: lldp vendor-specific avaya file-server

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lldp vendor-specific avaya file-server

Configure file-server address(es)

Syntax

Default

None

Command mode

FastEthernet or GigabitEthernet Interface configuration mode

Command parameters

Parameter	Description
< ip-address>	File-server address number
<1-4> <ip-address>	File-server IP address

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Command: lldp vendor-specific avaya poe-conservation-request-level

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lldp vendor-specific avaya poe-conservation-request-level

PoE conservation request level

Syntax

Default

None

Command mode

FastEthernet or GigabitEthernet Interface configuration mode

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logging

Change system event log settings

Syntax

Default

None

Command mode

Privileged EXEC Mode

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logging level

The severity level of events that will be logged in DRAM

Syntax

Default

None

Command mode

Privileged EXEC Mode

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logging nv-level

The severity level of events that will be saved in NV storage

Syntax

Default

None

Command mode

Privileged EXEC Mode

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logging remote address

Configure remote syslog address

Syntax

Default

None

Command mode

Privileged EXEC Mode

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logging remote facility

Configure remote logging facility

Syntax

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
local0	Set local0 facility

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logging remote level

Configure remote logging level

Syntax

Default

None

Command mode

Privileged EXEC Mode

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logging remote secondary-address

Configure remote syslog address

Syntax

Default

None

Command mode

Privileged EXEC Mode

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logging volatile

Configure options for logging to DRAM

Syntax

Default

None

Command mode

Privileged EXEC Mode

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logout

Exit from the EXEC and end the current session

Syntax

- `logout`

Default

None

Command mode

User EXEC mode

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mac-address-table aging-time

Configure MAC address table aging time

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<10-1000000>	Configure MAC address table aging time in seconds

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mac-security

Configure MAC Address security options.

Syntax

- `mac-security`

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<code>disable</code> <code>enable</code>	Disable/Enable MAC address security

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mac-security auto-learning

Configure MAC Auto-Learning

Syntax

Default

None

Command mode

FastEthernet or GigabitEthernet Interface configuration mode

Command parameters

Parameter	Description
disable enable	Disable/enable Auto-learning on port(s)
ports <port-number>	Configure MAC Auto-Learning Port(s)

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mac-security auto-learning sticky

Set mac-security sticky mode

Syntax

- `mac-security auto-learning sticky`

Default

None

Command mode

Global configuration mode

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mac-security filtering

Enable/disable DA filtering

Syntax

- `mac-security filtering [enable|disable]`

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<code>disable</code> <code>enable</code>	Disable/Enable DA Filtering

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mac-security intrusion-detect

Enable/disable partitioning on intrusion detection

Syntax

- `mac-security intrusion-detect [enable|disable|forever]`

Default

None

Command mode

Global configuration mode

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mac-security intrusion-timer

Set temporary partition time for intrusion detection.

Syntax

- `mac-security intrusion-timer <0-65535>`

Default

None

Command mode

Global configuration mode

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mac-security learning

Enable/disable MAC address learning

Syntax

- `mac-security learning [enable|disable]`

Default

None

Command mode

Global configuration mode

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mac-security learning-ports

Modify ports participation in MAC address learning.

Syntax

- `mac-security learning-ports [add | <LINE> | remove]`

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<code><port-list></code>	Modify ports participation in MAC address learning for specified ports
<code>remove <port-list></code>	Remove ports

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mac-security mac-address-table

Add addresses to MAC security address table

Syntax

- `mac-security mac-address-table [address | sticky address]`

Default

None

Command mode

Global configuration mode

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mac-security mac-da-filter add

Add MAC DA filtering address

Syntax

- `mac-security mac-da-filter add <H.H.H>`

Default

None

Command mode

Global configuration mode

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mac-security security-list

Modify security list port membership.

Syntax

- `mac-security security-list <1-32>`

Default

None

Command mode

Global configuration mode

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mac-security snmp-lock

Enable/disable SNMP lock on MAC address security parameters.

Syntax

- `mac-security snmp-lock [enable | disable]`

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<code>disable</code> <code>enable</code>	Disable/enable SNMP lock on MAC address security parameters

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mac-security snmp-trap

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
disable enable	

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mlt

Modify Multi-Link Trunking (MLT) configuration

Syntax

- mlt <1-6>

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<1-6> enable disable	Disable/ Enable MLT

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mlt spanning-tree

Set MLT spanning-tree settings

Syntax

-

Default

None

Command mode

Global configuration mode

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name

Set the names of ports

Syntax

- name [<LINE>]

Default

None

Command mode

Interface Configuration Mode

Command parameters

Parameter	Description
<port-name>	Set the names of ports

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name port

Port number(s) whose names are to be changed

Syntax

- name port <port-list>

Default

None

Command mode

Interface Configuration Mode

Command parameters

Parameter	Description
<port-list>	Port number(s) whose names are to be changed

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no adac (for a port)

Disable/Clear ADAC port settings

Syntax

Default

None

Command mode

Interface Configuration Mode

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no adac (Global)

Disable/Clear ADAC settings

Syntax

Default

None

Command mode

Global configuration mode

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Command: no auto-negotiation-advertisements

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no auto-negotiation-advertisements

Disable auto-negotiation advertisement

Syntax

Default

None

Command mode

Interface Configuration Mode

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no auto-pvid

Disable Auto-PVID (for all ports).

Syntax

- no auto-pvid

Default

None

Command mode

Global configuration mode



Command: no autosave

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no autosave

Clear/delete autosave settings

Syntax

- no autosave

Default

None

Command mode

Global configuration mode

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no autotopology

Disable the autotopology protocol

Syntax

- `no autotopology`

Default

None

Command mode

Global configuration mode



Command: no banner

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no banner

Clear the custom banner

Syntax

- no banner

Default

None

Command mode

Global configuration mode

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no clock

Disable RTC related configuration

Syntax

- no clock

Default

None

Command mode

Global configuration mode



Command: no eapol (for a port)

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no eapol (for a port)

Disable EAPOL protocol on port

Syntax

Default

None

Command mode

Interface Configuration Mode

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no eapol (Global)

Disable EAPOL protocol.

Syntax

- no eapol [guest-vlan | multihost]

Default

None

Command mode

Global configuration mode

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no flowcontrol

Disable flow control of a port

Syntax

Default

None

Command mode

Interface Configuration Mode

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Command: no ip (for a port)

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no ip (for a port)

Clear IP settings

Syntax

Default

None

Command mode

Interface Configuration Mode

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no ip (Global)

Clear IP settings

Syntax

Default

None

Command mode

Global configuration mode

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no ipmgr

Disable IP Manager settings.

Syntax

Default

None

Command mode

Global configuration mode

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no ipv6

Global IPv6 configuration subcommands

Syntax

Default

None

Command mode

Global configuration mode

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no lacp

Remove LACP port configuration .

Syntax

Default

None

Command mode

Interface Configuration Mode

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no lldp

Disable 802.1ab settings

Syntax

Default

None

Command mode

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no logging

Disable system logging

Syntax

- `no logging remote [address|enable|facility|level|secondary-address]`

Default

None

Command mode

Global configuration mode

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no mac-security (for a port)

Disable MAC-based security

Syntax

Default

None

Command mode

Interface Configuration Mode

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no mac-security (Global)

Disable/clear MAC Address Security parameters.

Syntax

Default

None

Command mode

Global configuration mode

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no mlt

Clear Multi-Link Trunking (MLT) configuration

Syntax

Default

None

Command mode

Global configuration mode



Command: no name

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no name

Clear the names of ports

Syntax

Default

None

Command mode

Interface Configuration Mode

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no password

Configure password security restrictions

Syntax

Default

None

Command mode

Global configuration mode



Command: no poe-shutdown

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no poe-shutdown

Enable power on the port

Syntax

Default

None

Command mode

Interface Configuration Mode

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Command: no poe-trap

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no poe-trap

Syntax

Default

None

Command mode

Global configuration mode

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no port-mirroring

Change port mirroring configuration

Syntax

Default

None

Command mode

Global configuration mode

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no qos (for a port)

Modify QoS settings

Syntax

Default

None

Command mode

Interface Configuration Mode

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no qos (Global)

Modify QoS settings

Syntax

Default

None

Command mode

Global configuration mode

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no radius

Disable RADIUS accounting

Syntax

Default

None

Command mode

Global configuration mode

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no radius-server

Clear RADIUS server/port/key configuration

Syntax

- no radius-server password

Default

None

Command mode

Global configuration mode

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no rate-limit

Disables rate-limiting

Syntax

- `no rate-limit unit <1-8>`

Default

None

Command mode

Global configuration mode

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no rmon

Remove RMON table entries

Syntax

- `no rmon [alarm | event | history | stats]`

Default

None

Command mode

Global configuration mode



Command: no shutdown

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no shutdown

Disable the selected interface

Syntax

Default

None

Command mode

Interface Configuration Mode

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no slamon

Modify SLAMon settings

Syntax

- no slamon [cli | cli-timeout mode | oper-mode]

Default

None

Command mode

Interface Configuration Mode

Command parameters

Parameter	Description
oper-mode	Disable the SLAMon agent

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no snmp

Clear/delete SNMP interface parameters spanning-tree

Syntax

Default

None

Command mode

Interface Configuration Mode

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no snmp-server

Disable SNMP parameters

Syntax

- `no snmp-server`

Default

None

Command mode

Global configuration mode

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no sntp

Disable/clear SNTP parameters

Syntax

- no sntp

Default

None

Command mode

Global configuration mode

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no spanning-tree (for a port)

Change Spanning Tree configuration for specific port(s)

Syntax

Default

None

Command mode

Interface Configuration Mode

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no spanning-tree (Global)

Clear/delete spanning tree configuration values

Syntax

- no spanning-tree [802dot1d-port-compliance | bpdu-filtering]

Default

None

Command mode

Global configuration mode

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no stack

Clear stack settings

Syntax

- no stack [auto-unit-replacement | auto-unit-replacement-image | forced-mode | reboot-on-failure]

Default

None

Command mode

Global configuration mode

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no stack-monitor

Disable stack monitoring

Syntax

- `no stack-monitor enable`

Default

None

Command mode

Global configuration mode

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no storm-control

Clear packet Storm Control settings

Syntax

- no storm-control [all | broadcast | multicast | unicast]

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
all	Clear packet Storm Control settings for all traffic types
broadcast	Clear packet Storm Control settings for broadcast
multicast	Clear packet Storm Control settings for multicast
unicast	Clear packet Storm Control settings for unicast

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no tacacs

Clear TACACS+ server/port/key configuration

Syntax

- `no tacacs server [host|key|port <port-list> |secondary-host]`

Default

None

Command mode

Global configuration mode

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no telnet-access

Disable TELNET access

Syntax

- `no telnet-access source-ip`

Default

None

Command mode

Global configuration mode

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no tftp-server

Provide TFTP service for netload requests

Syntax

Default

None

Command mode

Global configuration mode



Command: no vlacp (for a port)

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no vlacp (for a port)

Disable VLACP for a port

Syntax

Default

None

Command mode

Interface Configuration Mode

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no vlacp (Global)

Clear VLACP configuration

Syntax

Default

None

Command mode

Global configuration mode

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no vlan

Delete a VLAN or VLAN parameters

Syntax

Default

None

Command mode

Global configuration mode

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no web-server

Modify WEB server parameters

Syntax

Default

None

Command mode

Global configuration mode

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password security

Enable password security restrictions

Syntax

Default

None

Command mode

Global configuration mode

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ping

Sends echo messages

Syntax

Default

None

Command mode

User EXEC mode

Command parameters

Parameter	Description
-----------	-------------

<ipv6 addr>	
-------------	--

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port-mirroring mode

Set port mirroring mode

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
disable	Disable port mirroring
XrxOrXtx monitor-port <port-number> mirror-port-X <port-number>	Mirror packets received or transmitted on port X
Xtx monitor-port <port-number> mirror-port-X <port-number>	Mirror packets transmitted on port X

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qos acl-assign

Create access-list assignment

Syntax

Default

None

Command mode

Global configuration mode

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qos acl-assign port

Specify the port(s) to apply access-list on

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<port-list> acl-type ip name <acl-name>	Reference an IP access-list
<port-list> acl-type l2 name <acl-name>	Reference a L2 access-list

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qos action

Create base actions entry

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<10-55000>	Specify the Action ID
<10-55000> action-ext	Specify the action extension id
<10-55000> action-ext-name <action-extension-name>	Specify the action extension name
<10-55000> drop-action deferred-pass	Allow actions associated with lower precedence policies to determine whether a packet should be dropped or not
<10-55000> name <action-name>	Specify the action label
<10-55000> session-id <1-4294967295>	Specify the session ID
<10-55000> set-drop-prec high-drop	Higher probability of being dropped when congestion is encountered
<10-55000> set-drop-prec low-drop	Lower probability of being dropped when congestion is encountered
<10-55000> update-1p <0-7>	Range of 802.1p user priority
<10-55000> update-1p copy-priority	
<10-55000> update-1p use-egress	Assign value based on DSCP-to-user priority map
<10-55000> update-1p use-tos-prec	Assign value based on the value of the precedence bits in the TOS field

<10-55000> update-dscp
<0-63>

Specify the update DSCP

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qos agent

Configure global QoS parameters

Syntax

Default

None

Command mode

Global configuration mode

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qos agent aq-mode

Modify the Auto QOS application traffic processing mode

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
disable	Auto QOS application traffic processing disabled on all ports
mixed	Auto QOS application traffic processing enabled on all ports with egress DSCP remapping
pure	Auto QOS application traffic processing enabled on all ports without egress DSCP remapping

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qos agent nvram-delay

Modify the maximum time in seconds to write config data to non-volatile storage

Syntax

Default

None

Command mode

Global configuration mode

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qos agent reset-default

Reset the QoS to its configuration default

Syntax

Default

None

Command mode

Global Configuration Mode

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qos agent statistics-tracking

Modify the QoS default statistics tracking

Syntax

Default

None

Command mode

Global Configuration Mode

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qos classifier

Create classifier set entry

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<1-55000> set-id <1-55000> name <classifier-id-name>	

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qos classifier-block

Create classifier block entry

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<1-55000>	Specify the classifier block ID

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qos clear-stats

Clear all QoS statistic counters

Syntax

Default

None

Command mode

Global Configuration Mode

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qos egressmap

Configure the DSCP to 802.1p priority and drop precedence associations

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
-----------	-------------

enable	
--------	--

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qos if-action-extension

Create interface actions extension entry

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<1-55000>	Create interface actions extension entry

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qos if-assign name

Specify name of interface group

Syntax

Default

None

Command mode

Global configuration mode

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qos if-assign port

Specify list of ports

Syntax

Default

None

Command mode

Global configuration mode

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qos if-group name

Specify name of interface group

Syntax

Default

None

Command mode

Global configuration mode

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qos if-shaper

Configure interface shaping for port(s)

Syntax

Default

None

Command mode

Interface Configuration Mode

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qos ingressmap

Configure the 802.1p to DSCP associations

Syntax

Default

None

Command mode

Global configuration mode

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qos ip-acl

Create IP access-list element

Syntax

Default

None

Command mode

Global configuration mode

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qos ip-element

Create IP classifier element entry

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<1-55000> addr-type	Specify the address type (IPv4, IPv6) classifier criteria
<1-55000> ds-field	Specify the DSCP classifier criteria
<1-55000> dst-ip	Specify the destination IP classifier criteria
<1-55000> dst-port-min	Specify the L4 destination port minimum value classifier criteria
<1-55000> flow-id	
<1-55000> name <element-name>	Specify name of ip-element
<1-55000> next-header	
<1-55000> session-id	Specify the session ID
<1-55000> src-port-min	Specify the L4 source port minimum value classifier criteria

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qos l2-acl

Create L2 access-list element

Syntax

Default

None

Command mode

Global configuration mode

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qos l2-element

Create L2 classifier element entry

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<1-55000> priority <0-7>	Range of 802.1p user priority

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qos meter

Create meter entry

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<code><1-5000> comitted-rate <64-10230000 Kbps> max-burst-rate <64-4294967295 Kbps> max-burst-duration <1-4294967295 msec> in-profile-action <1-55000> out-profile-action <1-1> session-id <1-4294967295></code>	Specify the session id for out profile action with maximum burst duration

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qos policy

Create policy entry

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<1-55000> enable	Specify the policy ID
<1-55000> if-group <group-name> clfr-type block clfr-id <1-55000> in-profile-action <1-55000> precedence <1-15> session-id <1-4294967295>	Specify the session id for in profile action to associate a classifier block to the policy
<1-55000> if-group <group-name> clfr-type block clfr-id <1-55000> in-profile-action <1-55000> precedence <1-15> track-statistics	Specify to track statistics on policy
<1-55000> if-group <group-name> clfr-type block clfr-id <1-55000> in-profile-action <1-55000> precedence <1-15> track-statistics aggregate	All classifiers associated with the policy will share the statistics resource
<1-55000> if-group <group-name> clfr-type block clfr-id <1-55000> in-profile-action <1-55000> precedence <1-15> track-statistics aggregate session-id <1-4294967295>	Specify the session ID
<1-55000> if-group <group-name> clfr-type block clfr-id <1-55000> in-profile-action <1-55000> precedence <1-15> track-statistics individual	Each classifier associated with the policy will have its own statistics resource
<1-55000> if-group <group-name> clfr-type block clfr-id <1-55000> in-profile-action <1-55000> precedence <1-15> track-statistics individual session-id <1-4294967295>	Specify the session ID
<1-55000> if-group <group-name> clfr-type block	Specify the classifier set

```

clfr-name <classifier-name> in-profile-action <1-
55000> precedence <1-15>
<1-55000> if-group <group-name> clfr-type block
clfr-name <classifier-name> in-profile-action <1-
55000> precedence <1-15> session-id <1-4294967295>
<1-55000> if-group <group-name> clfr-type block
clfr-name <classifier-name> in-profile-action-name
<action-name> precedence <1-15> track-statistics
<1-55000> if-group <group-name> clfr-type block
clfr-name <classifier-name> in-profile-action-name
<action-name> precedence <1-15> track-statistics
individual
<1-55000> if-group <group-name> clfr-type block
clfr-name <classifier-name> meter <1-55000>
precedence <1-15>
<1-55000> if-group <group-name> clfr-type block
clfr-name <classifier-name> meter <1-55000>
precedence <1-15> session-id <1-4294967295>
<1-55000> if-group <group-name> clfr-type block
clfr-name <classifier-name> meter <1-55000>
precedence <1-15> track-statistics
<1-55000> if-group <group-name> clfr-type block
clfr-name <classifier-name> meter <1-55000>
precedence <1-15> track-statistics aggregate
<1-55000> if-group <group-name> clfr-type block
clfr-name <classifier-name> meter-name <meter-name>
precedence <1-15>
<1-55000> if-group <group-name> clfr-type block
clfr-name <classifier-name> meter-name <meter-name>
precedence <1-15> session-id <1-4294967295>
<1-55000> if-group <group-name> clfr-type block
clfr-name <classifier-name> meter-name <meter-name>
precedence <1-15> track-statistics
<1-55000> if-group <group-name> clfr-type block
clfr-name <classifier-name> meter-name <meter-name>
precedence <1-15> track-statistics aggregate
<1-55000> if-group <group-name> clfr-type block
clfr-name <classifier-name> precedence <1-15>
session-id <1-4294967295>
<1-55000> if-group <group-name> clfr-type block
clfr-name <classifier-name> session-id <1-
4294967295>
<1-55000> name <policy-name> if-group <group-name>
clfr-type block clfr-id <1-55000> meter <1-55000>
precedence <1-15>

```

**name or classifier block
name for in profile action**

Specify the session ID

**Specify to track statistics
on policy**

**Each classifier associated
with the policy will have
its own statistics resource**

**Specify the classifier set
name or classifier block
name for in profile action**

Specify the session ID

**Specify to track statistics
on policy**

**All classifiers associated
with the policy will share
the statistics resource**

**Specify the classifier set
name or classifier block
name for in profile action**

Specify the session ID

**Specify to track statistics
on policy**

**All classifiers associated
with the policy will share
the statistics resource**

Specify the session ID

Specify the session ID

**Specify the meter ID for
classifier set name or
classifier block name**

```
<1-55000> name <policy-name> if-group <group-name>  
clfr-type block clfr-id <1-55000> meter-name <meter-  
name> precedence <1-15>
```

Specify the meter name

```
<1-55000> name <policy-name> if-group <group-name>  
clfr-type block clfr-id <1-55000> precedence <1-15>
```

**Specify the classifier set
ID or classifier block
number with the policy
precedence**

```
<1-55000> name <policy-name> if-group <group-name>  
clfr-type block clfr-id <1-55000> session-id <1-  
4294967295>
```

**Specify the session id for
classifier set ID or
classifier block number**

```
<1-55000> name <policy-name> if-group <group-name>  
clfr-type block clfr-name <classifier-name> in-  
profile-action <1-55000> precedence <1-15>
```

**Specify the classifier
name with the policy
precedence**

```
<1-55000> name <policy-name> if-group <group-name>  
clfr-type block clfr-name <classifier-name> in-  
profile-action-name <action-name> precedence <1-15>
```

**Specify the classifier
name with the policy
precedence**

```
<1-55000> name <policy-name> if-group <group-name>  
clfr-type block clfr-name <classifier-name> meter  
<1-55000> precedence <1-15>
```

**Specify the classifier
name and meter id with
policy precedence**

```
<1-55000> name <policy-name> if-group <group-name>  
clfr-type classifier clfr-id <1-55000> meter <1-  
55000> precedence <1-15>
```

**Specify the classifier id
and meter id with policy
precedence**

```
<1-55000> name <policy-name> if-group <group-name>  
clfr-type classifier clfr-id <1-55000> session-id  
<1-4294967295>
```

Specify the session id

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qos queue-set-assignment

Configure the 802.1p priority to queue

Syntax

Default

None

Command mode

Global configuration mode

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qos system-element

Create system classifier element entry

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<1-55000>	Create system classifier element entry
<1-55000> known-mcast	Match frames containing a known multicast destination address
<1-55000> known-mcast pattern-data <byte-separated-by-colon> pattern-mask <byte-separated-by-colon>	Specifies the specific data pattern bit positions of interest
<1-55000> known-mcast pattern-format tagged pattern-data <byte-separated-by-colon> pattern-mask <byte-separated-by-colon>	Tagged pattern data/mask format
<1-55000> known-mcast pattern-format untagged pattern-data <byte-separated-by-colon> pattern-mask <byte-separated-by-colon>	Untagged pattern data/mask format
<1-55000> known-mcast session-id <1-4294967295>	Specify the session ID
<1-55000> pattern-data <byte-separated-by-colon> pattern-mask <byte-separated-by-colon>	Match frames with a specific data pattern
<1-55000> pattern-format tagged pattern-data <byte-separated-by-colon> pattern-mask <byte-separated-by-colon>	Tagged pattern data/mask format
<1-55000> pattern-format untagged pattern-data <byte-separated-by-colon> pattern-mask <byte-separated-by-colon>	Untagged pattern data/mask format

<1-55000> session-id <1-4294967295>

<1-55000> unknown-mcast

<1-55000> unknown-mcast pattern-data <byte-separated-by-colon> pattern-mask <byte-separated-by-colon>

<1-55000> unknown-mcast pattern-format tagged
pattern-data <byte-separated-by-colon> pattern-mask
<byte-separated-by-colon>

<1-55000> unknown-mcast pattern-format untagged
pattern-data <byte-separated-by-colon> pattern-mask
<byte-separated-by-colon>

<1-55000> unknown-mcast session-id <1-4294967295>

<1-55000> unknown-ucast

<1-55000> unknown-ucast pattern-format tagged
pattern-data <byte-separated-by-colon> pattern-mask
<byte-separated-by-colon>

<1-55000> unknown-ucast pattern-format untagged
pattern-data <byte-separated-by-colon> pattern-mask
<byte-separated-by-colon>

<1-55000> unknown-ucast session-id <1-4294967295>

Specify the session ID
Match frames containing
an unknown multicast
destination address
Specifies the specific data
pattern bit positions of
interest

Tagged pattern data/mask
format

Untagged pattern
data/mask format

Specify the session ID
Match frames containing
an unknown unicast
destination address

Tagged pattern data/mask
format

Untagged pattern
data/mask format

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radius accounting interim-updates

Modify interim-updates settings

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
enable	Enable RADIUS Accounting Interim-Updates
interval <60-3600>	Modify the timeout interval for RADIUS Accounting Interim-Updates
use-server-interval	Use the value given by server for the timeout interval

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radius dynamic-server client

RADIUS Dynamic Authorization Client settings

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<client-ip-addr>	Add new RADIUS Dynamic Authorization Client or change RADIUS Dynamic Authorization Client settings
<client-ip-addr> enable	Enable packet receive from this RADIUS Dynamic Authorization Client
<client-ip-addr> port <1024-65535>	Set server/NAS UDP port to listen for requests from this RADIUS
<client-ip-addr> process- change-of-auth-requests	Enable change-of-authorization requests processing
<client-ip-addr> process- disconnect -requests	Enable disconnect requests processing
<client-ip-addr> secret	Set RADIUS Dynamic Authorization Client secret
<client-ip-addr> secret <secret-name>	Specify the secret name

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radius reachability

Configure RADIUS server reachability settings

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<code>use-icmp</code>	Enable RADIUS server reachability using ICMP
<code>use-radius</code>	Enable RADIUS server reachability using RADIUS requests
<code>use-radius username <radius-request-username></code>	Set RADIUS request username

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radius server host

RADIUS host settings

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
A.B.C.D	IP address of RADIUS server
retry <1-5>	RADIUS retry attempts
timeout <1-60>	RADIUS time-out period
used-by non-eapol	Non-EAP application



Command: radius-server host

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radius-server host

Syntax

Default

None

Command mode

Global configuration mode

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radius-server key

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
password fallback	RADIUS password fallback

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radius-server password

RADIUS password fallback

Syntax

Default

None

Command mode

Global configuration mode

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radius-server port

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<1-65535>	RADIUS UDP port
<1-65535> key <shared-secret>	
<1-65535> password fallback	RADIUS password fallback

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Command: radius-server secondary-host

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radius-server secondary-host

Syntax

Default

None

Command mode

Global configuration mode

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radius-server timeout

Syntax

Default

None

Command mode

Global configuration mode

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radius use-management-ip

Enable Radius use-management-ip flag.

Syntax

Default

None

Command mode

Global configuration mode

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rate-limit both

Set rate limiting for both multicast and broadcast packets

Syntax

Default

None

Command mode

Global configuration mode

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rate-limit broadcast

Set rate limiting for broadcast packets

Syntax

Default

None

Command mode

Global configuration mode

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rate-limit multicast

Set rate limiting for multicast packets

Syntax

Default

None

Command mode

Global configuration mode

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rate-limit unit

Set rate limiting for a specified unit on port

Syntax

Default

None

Command mode

Global configuration mode

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rear-ports mode

Sets the stacking mode

Syntax

Default

None

Command mode

Global configuration mode

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reload

Reload the switch/stack.

Syntax

- reload [cancel | forced | minutes-to-wait]

Default

None

Command mode

Privileged EXEC Mode

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renew

Renew DHCP lease

Syntax

- `renew dhcp`

Default

None

Command mode

Privileged EXEC Mode

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renumber unit

Renumbers the unit numbers in a stack

Syntax

- `renumber unit`

Default

None

Command mode

Global configuration mode

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restore

Reset the switch/stack to factory default

Syntax

- `restore factory-default <-y>`

Default

None

Command mode

Privileged EXEC Mode

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rmon alarm

Create RMON Alarm entries

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<1-65535> <variable-name-OID> <1-2147483674> absolute rising-threshold <-2147483674 - 2147483674> <1-65535> falling-threshold <-2147483674 - 2147483674> <1-65535>	Specify the alarm variable with absolute sampling interval (in seconds) and specify the rising and the falling threshold values
<1-65535> <variable-name-OID> <1-2147483674> absolute rising-threshold <-2147483674 - 2147483674> <1-65535> falling-threshold <-2147483674 - 2147483674> <1-65535> owner <owner-string>	Specify the alarm variable with absolute sampling interval (in seconds) and specify the rising and the falling threshold values and specify the owner string
<1-65535> <variable-name-OID> <1-2147483674> delta rising-threshold <-2147483674 - 2147483674> <1-65535> falling-threshold <-2147483674 - 2147483674> <1-65535> owner <owner-string>	Specify the alarm variable with delta sampling interval (in seconds) and specify the rising and the falling threshold values

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rmon event

Create RMON Event entries

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<1-65535>	Create RMON Event entries
<1-65535> description <description>	Specify description of event
<1-65535> log	Specify events should be logged
<1-65535> owner <owner-string>	Specify owner string

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rmon history

Create RMON History entries

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<1-65535> <data-source> <1-65535> <1-3600>	Create RMON History entries with the specified port number and the requested bucket
<1-65535> <data-source> <1-65535> <1-3600> owner <owner-string>	Create RMON History entries with the specified port number and the owner string

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rmon stats

Create RMON Stats entries

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<1-65535> <data-source>	Create RMON Stats entries for the specified port number
<1-65535> <data-source> owner <owner-string>	Create RMON Stats entries for the specified port number and specify the owner string

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run ipoffice

Scripted CLI commands for setup with IP Office solutions

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
verbose	User input prompted CLI command script for IP Office solution setup



Command: save config

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save config

Save configuration to local NV storage

Syntax

Default

None

Command mode

Privileged EXEC Mode

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show adac detection

Display ADAC detection mechanisms

Syntax

Default

None

Command mode

Privileged EXEC Mode

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show adac interface

Display configuration for specified interfaces

Syntax

Default

None

Command mode

Privileged EXEC Mode

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show adac mac-range-table

Display the supported MAC address ranges

Syntax

Default

None

Command mode

Privileged EXEC Mode

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show arp

Display ARP entries

Syntax

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
summary	Display summary of ARP entries

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show arp-table

Display system ARP table

Syntax

Default

None

Command mode

Privileged EXEC Mode

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Command: show auto-negotiation-advertisements

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show auto-negotiation-advertisements

Display current auto-negotiation advertisement settings

Syntax

Default

None

Command mode

Privileged EXEC Mode

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show auto-negotiation-capabilities

Display auto-negotiation advertisement capabilities

Syntax

Default

None

Command mode

Privileged EXEC Mode

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show auto-pvid

Show Auto-PVID mode

Syntax

Default

None

Command mode

Privileged EXEC Mode

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show autosave

Display current autosave setting

Syntax

Default

None

Command mode

Privileged EXEC Mode

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show autotopology

Display autotopology information

Syntax

Default

None

Command mode

Privileged EXEC Mode

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show banner

Display banner information

Syntax

- `show banner [custom | static]`

Default

None

Command mode

Privileged EXEC Mode

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Command: show cli

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show cli

Display password settings

Syntax

Default

None

Command mode

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Command: show clock

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show clock

Display current time

Syntax

Default

None

Command mode

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show config-network

Displays the settings for downloading config files

Syntax

Default

None

Command mode

Privileged EXEC Mode

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show cpu-utilization

Displays the CPU utilization information

Syntax

Default

None

Command mode

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show eapol

Displays the current settings of the EAPOL protocol

Syntax

Default

None

Command mode

Privileged EXEC Mode

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show eapol auth-diags

Displays the EAPOL diags

Syntax

Default

None

Command mode

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show eapol auth-stats

Displays EAPOL statistics

Syntax

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
<code>interface <port-list></code>	Select interfaces to display EAPOL statistics for specified port

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show eapol guest-vlan

Displays EAPOL guest-vlan settings

Syntax

Default

None

Command mode

Privileged EXEC Mode

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show eapol multihost

Displays EAPOL multi-host information

Syntax

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
interface <port-list>	Display EAPOL multihost port configuration
voip-vlan	Display EAPoL multihost voip-vlan settings

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show eapol port

Displays EAPOL configuration for specified ports

Syntax

Default

None

Command mode

Privileged EXEC Mode

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show edm help-file-path

Displays the EDM help file path

Syntax

Default

None

Command mode

Privileged EXEC Mode

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show environmental

Displays environmental information of the switch

Syntax

Default

None

Command mode

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show http-port

Displays the TCP port on which web server will listen

Syntax

Default

None

Command mode

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show interfaces

Displays the interface status and configuration

Syntax

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
gbic-info <port-list>	Display gbic details for specified port
verbose	Display port status information for several applications

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show ip

Displays IP-related information

Syntax

Default

None

Command mode

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show ip address

Displays the IP address of switch/stack

Syntax

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
source	display BOOTP/DHCP settings stack unit
stack	Displays stack ip address switch

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show ip-blocking

Syntax

Default

None

Command mode

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show ip bootp

Displays bootp settings

Syntax

Default

None

Command mode

Privileged EXEC Mode

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show ip default-gateway

Displays IP address of default gateway

Syntax

Default

None

Command mode

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show ip igmp cache

Displays IGMP cache details

Syntax

Default

None

Command mode

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show ip igmp group

Displays IGMP group details

Syntax

Default

None

Command mode

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show ip igmp group-ext

Displays IGMP extended group details

Syntax

Default

None

Command mode

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show ip igmp interface

Displays IGMP interface information

Syntax

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
vlan <1-4094>	Display VLAN interfaces

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show ip igmp router-alert

Displays router-alert settings

Syntax

Default

None

Command mode

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show ip igmp snooping

Displays IGMP snooping information

Syntax

Default

None

Command mode

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show ip mgmt route

Displays management VLAN information

Syntax

Default

None

Command mode

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show ipmgr

Displays IP Manager settings

Syntax

Default

None

Command mode

Privileged EXEC Mode

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show ipv6

Displays IPv6-related information

Syntax

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
neighbor <ipv6-addr>	Display IPv6 neighbor information for specified IPv6 address
tcp connections	Display IPv6 tcp connections

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show ipv6 address

Displays the configured ipv6 addresses

Syntax

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
stack	Display configured stack ipv6 address/prefix
unit <1-8>	Display configured IPv6 address/prefix of local unit

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show lacp aggr

Display LACP aggregator information

Syntax

Default

None

Command mode

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show lacp debug

Displays LACP port debug information

Syntax

Default

None

Command mode

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show lacp port

Displays LACP port information

Syntax

Default

None

Command mode

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show lacp system

Displays LACP system settings

Syntax

Default

None

Command mode

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show license

Syntax

Default

None

Command mode

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show lldp

Displays 802.1ab settings

Syntax

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
local-sys-data med	Display Media Endpoint Devices (MED) specific TLVs
pdu-tlv-size	Display 802.1ab tlv's in pdu port for specified ports
rx-stats	Display 802.1ab RX statistics
stats	Display 802.1ab statistics

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show logging

Displays the contents of logging buffers

Syntax

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
unit <1-8>	Unit number

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show mac-address-table

Displays forwarding database tables

Syntax

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
vid <1-4094>	Display mac-address-table for specified VLAN ID

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show mac-security config

Displays the stack/switch MAC security configuration

Syntax

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
port	Display ports' MAC security

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show memory-utilization

Displays the memory utilization information

Syntax

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
unit <1-8>	Display memory utilization information

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show mlt

Displays Multi-Link Trunking (MLT) configuration

Syntax

Default

None

Command mode

Privileged EXEC Mode

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show password security

Displays the status of password security restrictions

Syntax

Default

None

Command mode

Privileged EXEC Mode

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show poe-main-status

Displays the PoE main configuration

Syntax

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
unit <1-8>	Display main configuraton of an unit in stack

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Command: show poe-port-status

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show poe-port-status

Displays the PoE port configuration

Syntax

Default

None

Command mode

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show poe-power-measurement

Displays the port power measurement

Syntax

Default

None

Command mode

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show port-mirroring

Displays port mirroring configuration

Syntax

Default

None

Command mode

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show port-statistics

Displays the port counter for a port

Syntax

Default

None

Command mode

Privileged EXEC Mode

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show qos

Displays QoS configuration.

Syntax

Default

None

Command mode

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show qos acl-assign

Display access-list assignments

Syntax

Default

None

Command mode

Privileged EXEC Mode

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show qos action

Display the base action entries

Syntax

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
<1-65535>	Display the specified base action entry

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show qos agent

Display the global QoS parameters

Syntax

Default

None

Command mode

Privileged EXEC Mode

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show qos capability

Display QoS port capabilities

Syntax

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
meter	Display QoS port meter capabilities
shaper	Display QoS port shaper capabilities
shaper port <port-list>	Display QoS port shaper capabilities for specified port

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show qos classifier

Display the classifier entries

Syntax

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
<1-65535>	Display the specified classifier entry

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show qos classifier-block

Display the classifier block entries

Syntax

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
all	Display all user-created, default, and system entries

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show qos diag

Display the diagnostics entries

Syntax

Default

None

Command mode

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show qos egressmap

Display the association between the DSCP and the 802.1p priority and drop precedence

Syntax

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
-----------	-------------

status	
--------	--

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show qos if-action-extension

Display the interface action extension entries

Syntax

Default

None

Command mode

Privileged EXEC Mode

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show qos if-assign

Display the list of interface assignments

Syntax

Default

None

Command mode

Privileged EXEC Mode

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show qos if-group

Display the interface groups

Syntax

Default

None

Command mode

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show qos if-shaper

Display the interface shaping parameters

Syntax

Default

None

Command mode

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show qos ingressmap

Display the 802.1p priority to DSCP mapping

Syntax

Default

None

Command mode

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show qos ip-acl

Display IP access-lists

Syntax

Default

None

Command mode

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show qos ip-element

Display the IP classifier element entries

Syntax

Default

None

Command mode

Privileged EXEC Mode

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show qos l2-acl

Display L2 access-lists

Syntax

Default

None

Command mode

Privileged EXEC Mode

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show qos l2-element

Display the Layer2 classifier element entries

Syntax

Default

None

Command mode

Privileged EXEC Mode

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show qos meter

Display the meter entries

Syntax

Default

None

Command mode

Privileged EXEC Mode

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show qos policy

Display the policy entries

Syntax

Default

None

Command mode

Privileged EXEC Mode

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show qos port

Display QoS port configuration

Syntax

Default

None

Command mode

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show qos queue-set

Display the queue set configuration

Syntax

Default

None

Command mode

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show qos queue-set-assignment

Display the association between the 802.1p priority to that of a specific queue

Syntax

Default

None

Command mode

Privileged EXEC Mode

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show qos statistics

Display the statistics values

Syntax

Default

None

Command mode

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show qos system-element

Display the system classifier element entries

Syntax

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
system	Display only system entries

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show radius accounting

Display the configuration of RADIUS Accounting Interim-Updates

Syntax

Default

None

Command mode

Privileged EXEC Mode

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show radius dynamic-server

Display the configuration of RADIUS Dynamic Authorization Clients

Syntax

Default

None

Command mode

Privileged EXEC Mode

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show radius reachability

Display RADIUS reachability settings

Syntax

Default

None

Command mode

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show radius-server

Display current RADIUS server/port/key configuration.

Syntax

Default

None

Command mode

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Command: show radius use-management-ip

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show radius use-management-ip

Display RADIUS use-management-ip setting

Syntax

Default

None

Command mode

Privileged EXEC Mode

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show rate-limit

Display rate-limiting settings and statistics

Syntax

Default

None

Command mode

Privileged EXEC Mode

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Command: show rear-ports

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show rear-ports

Syntax

Default

None

Command mode

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show rmon alarm

Display RMON Alarm entries

Syntax

Default

None

Command mode

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show rmon ethernet history

Display RMON ethernet history data

Syntax

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
port <port-list>	display history data for specific ports

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show rmon ethernet packets

Display rmon ethernet packets according to their size

Syntax

Default

None

Command mode

Privileged EXEC Mode



Command: show rmon ethernet statistics

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show rmon ethernet statistics

Display rmon ethernet statistics

Syntax

Default

None

Command mode

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show rmon event

Display RMON Event entries

Syntax

Default

None

Command mode

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show rmon history

Display RMON History entries

Syntax

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
port <port-list>	Display rmon history for specific ports

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show rmon stats

Display RMON Stats entries

Syntax

Default

None

Command mode

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show running-config

Display current configuration of system as a series of CLI commands

Syntax

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
module	Display configuration of an application
module aur	Display AUR configuration
module core	Display Core configuration
module l3	Display L3 configuration
module qos	Display QoS configuration
module rtc	Display RTC configuration
verbose	Display entire configuration (defaults and non-defaults)
verbose module dhcp-relay	Display DHCP Relay
verbose module eap	Display EAP configuration
verbose module lacp	Display LACP configuration
verbose module logging	Display System Logging configuration
verbose module qos	Display QoS configuration

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show snmp-server

Display SNMP configuration

Syntax

Default

None

Command mode

Privileged EXEC Mode

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show sntp

Display Simple Network Time Protocol (SNTP) configuration

Syntax

Default

None

Command mode

Privileged EXEC Mode

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show spanning-tree

Display Spanning Tree information

Syntax

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
port	Display spanning tree status of each port

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show ssh

Display SSH Information

Syntax

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
download-auth-key	Display auth key TFTP download info
global	Display general SSH settings
session	Display SSH session info

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show sshc

Displays the sshc status

Syntax

Default

None

Command mode

Privileged EXEC Mode

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show stack

Displays the stacking information

Syntax

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
auto-unit-replacement	Display auto unit replacement configuration
auto-unit-replacement-image	Display auto unit image replacement configuration
health	Display the status of each stacking link
port-statistics	Display stack port counters

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show stack-info

Display stack information

Syntax

Default

None

Command mode

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show stack-monitor

Display stack-monitor configuration

Syntax

Default

None

Command mode

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show storm-control

Display packet storm control settings

Syntax

Default

None

Command mode

Privileged EXEC Mode

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show sys-info

Display system information

Syntax

Default

None

Command mode

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Command: show system

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show system

Display consolidated system information

Syntax

Default

None

Command mode

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show tacacs

Display current TACACS+ server/port/key configuration.

Syntax

Default

None

Command mode

Privileged EXEC Mode

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show tech

Show telnet active sessions

Syntax

Default

None

Command mode

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show telnet

Display configuration of telnet access

Syntax

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
sessions	Show telnet active sessions

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show telnet-access

Display terminal configuration parameters

Syntax

Default

None

Command mode

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Command: show terminal

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show terminal

Shows the TFTP Server IP address

Syntax

Default

None

Command mode

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show tftp-server

Display trace information

Syntax

Default

None

Command mode

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show vlacp

Display VLACP configuration

Syntax

Default

None

Command mode

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show vlan

Display VLAN configuration

Syntax

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
configcontrol	Display VLAN control mode
igmp <vlan-id>	Display IGMP snoop settings
igmp unknown-mcast-allow-flood	Display list of multicast MAC addresses for which flooding is allowed
igmp unknown-mcast-no-flood	Display setting for flooding packets with unknown multicast addresses
interface info <port-list>	Display VLAN-related settings of ports for a specified port
interface vids <port-list>	Display VLAN membership of ports for a specified port

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show web-server

Display web server status

Syntax

Default

None

Command mode

Privileged EXEC Mode

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shutdown (Global)

Saves configuration and shutdown the switch/stack

Syntax

- shutdown [cancel | force | minutes-to-wait]

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
cancel	Cancel a previous scheduled shutdown
force	Do not ask for confirmation
force minutes-to-wait <1-60>	Number of minutes to wait before reset
minutes-to-wait <1-60>	Number of minutes to wait before reset

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shutdown (port)

Shutdown the selected interface

Syntax

- shutdown [cancel | force | minutes-to-wait]

Default

None

Command mode

Interface Configuration Mode

Command parameters

Parameter	Description
port <port-list>	Shutdown the selected interface

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slamon agent

Sets the SLAMon agent configuration

Syntax

- slamon agent [ip address <A.B.C.D> | port <0-65535>]

Default

None

Command mode

Interface Configuration Mode

Command parameters

Parameter	Description
comm port <0-65535>	
ip address<ip address>	Set the SLAMon agent IP address
port <0-65535>	Set the SLAMon agent UDP port

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slamon cli

Enables the SLAMon agent CLI interface

Syntax

- `slamon cli enable`

Default

None

Command mode

Interface Configuration Mode

Command parameters

Parameter	Description
enable	Enable the SLAMon agent CLI interface

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slamon cli-timeout-mode

Sets the SLAMon agent CLI session timeout mode

Syntax

- `slamon cli-timeout-mode enable`

Default

None

Command mode

Interface Configuration Mode

Command parameters

Parameter	Description
enable	Enable the SLAMon agent CLI session timeout mode

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slamon oper-mode

Enable the SLAMon agent

Syntax

- `slamon oper-mode enable`

Default

None

Command mode

Interface Configuration Mode

Command parameters

Parameter	Description
<code>enable</code>	Enable the SLAMon agent



Command: slamon server ip address

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slamon server ip address

Sets the SLAMon server IP address

Syntax

- `slamon server ip address <A.B.C.D>`

Default

None

Command mode

Interface Configuration Mode

Command parameters

Parameter	Description
<code><ip address> <secondary ip address></code>	Set the SLAMon server IP address

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snmp

Modify SNMP settings

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
disable	Disable SNMP access
enable	Enable SNMP access

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snmp authentication-trap

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
-----------	-------------

disable	
---------	--

enable	
--------	--

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snmp bootstrap

Generate SNMP bootstrap parameters

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
minimum-secure	Use minimum security configuration
very-secure	Use maximum security configuration

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snmp community

Enable SNMP; set community string and access privileges

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<code><community-string> notify-view <view-name></code>	Enter notify (trap) access view name
<code><community-string> ro</code>	Read-only access with this community string

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snmp contact

Text for mib object sysContact

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<code><text-information></code>	identification of the contact person for this managed node

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snmp host

Specify hosts to receive SNMP notifications

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<code><ipv4 or ipv6 address> port <trap-port> v1 <v1-community-string></code>	Select a non-standard SNMP trap port
<code><ipv4 or ipv6 address> port <trap-port> v2c <v2c-community-string></code>	Create SNMPv1 trap receiver
<code><ipv4 or ipv6 address> port <trap-port> v2c <v2c-community-string> inform</code>	Create SNMPv2c trap receiver
<code><ipv4 or ipv6 address> port <trap-port> v2c <v2c-community-string> inform retries <0-255></code>	Specify the SNMPv2c community string and Generate acknowledge Inform requests
<code><ipv4 or ipv6 address> port <trap-port> v2c <v2c-community-string> inform timeout <1-2147483647></code>	Timeout for inform requests (centi-seconds)
<code><ipv4 or ipv6 address> port <trap-port> v3 auth <v3-user-name></code>	Create SNMPv3 trap receiver
<code><ipv4 or ipv6 address> port <trap-port> v3 auth <v3-user-name> inform</code>	Generate unauthenticated traps
<code><ipv4 or ipv6 address> port <trap-port> v3 auth <v3-user-name> inform retries <0-255></code>	Retries for inform requests
<code><ipv4 or ipv6 address> port <trap-port> v3 auth <v3-user-name> inform timeout <1-2147483647></code>	Timeout for inform requests (centi-seconds)
<code><ipv4 or ipv6 address> port <trap-port> v3 no-auth <v3-user-name></code>	SNMPv3 User name

```

<ipv4 or ipv6 address> port <trap-port> v3
no-auth <v3-user-name> inform
<ipv4 or ipv6 address> port <trap-port> v3
no-auth <v3-user-name> inform retries <0-
255>
<ipv4 or ipv6 address> port <trap-port> v3
no-auth <v3-user-name> inform timeout <1-
2147483647>
<ipv4 or ipv6 address> v1 <v1-community-
string>
<ipv4 or ipv6 address> v2c <v2c-community-
string>
<ipv4 or ipv6 address> v2c <v2c-community-
string> inform
<ipv4 or ipv6 address> v2c <v2c-community-
string> inform retries <0-255>
<ipv4 or ipv6 address> v3 auth <v3-user-
name>
<ipv4 or ipv6 address> v3 auth <v3-user-
name> inform
<ipv4 or ipv6 address> v3 auth <v3-user-
name> inform timeout <1-2147483647>
<ipv4 or ipv6 address> v3 no-auth <v3-
user-name>
<ipv4 or ipv6 address> v3 no-auth <v3-
user-name> inform
<ipv4 or ipv6 address> v3 no-auth <v3-
user-name> inform retries <0-255>
<ipv4 or ipv6 address> v3 no-auth <v3-
user-name> inform timeout <1-2147483647>

```

Generate unauthenticated traps

Retries for inform requests

Timeout for inform requests (centi-seconds)

SNMPv1 community string

SNMPv2c community string

Create SNMPv2c trap receiver

Retries for inform requests

SNMPv3 User name

Generate unauthenticated traps

Timeout for inform requests (centi-seconds)

Generate authenticated and encrypted traps

Create SNMPv2c trap receiver

Retries for inform requests

Timeout for inform requests (centi-seconds)

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snmp location

Text for mib object sysLocation

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<text-information>	Text for mib object sysLocation

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snmp name

Text for mib object sysName

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<text-information>	Text for mib object sysName Avaya Ethernet Routing Switch 3500 Series Release 5.1 NN47203-103 Avaya Command Line Interface Commands Reference Version 01.01 February 2013 ©Avaya Inc. 2013 All Rights Reserved. Avaya.com/support

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snmp trap

Allow/disallow a specific SNMP trap

Syntax

Default

None

Command mode

Interface Configuration Mode

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snmp view

Create/modify an SNMP access view

Syntax

Default

None

Command mode

Global configuration mode

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sntp enable

Enable SNTP

Syntax

Default

None

Command mode

Global configuration mode

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sntp server

Configure SNTP server addresses

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
primary address	Configure primary SNTP server
secondary address <ip-addr>	Configure secondary SNTP server

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sntp sync-interval

Set SNTP re-synchronization interval

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<0-168>	Set SNTP re-synchronization interval

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sntp sync-now

Force immediate SNTP synchronization

Syntax

Default

None

Command mode

Global configuration mode

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spanning-tree 802dot1d-port-compliance

Sets the 802dot1d port compliance mode

Syntax

-

Default

None

Command mode

Global configuration mode

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spanning-tree bpdu-filtering

Configure spanning-tree bpdu-filtering

Syntax

-

Default

None

Command mode

Interface Configuration Mode

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spanning-tree cost

Set spanning-tree cost for a port

Syntax

-

Default

None

Command mode

Interface Configuration Mode

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spanning-tree cost-calc-mode

Sets pathcost type IEEE 802.1d or IEEE 802.1t

Syntax

-

Default

None

Command mode

Global configuration mode

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spanning-tree forward-time

Sets the spanning tree forwarding time

Syntax

-

Default

None

Command mode

Global configuration mode

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spanning-tree hello-time

Sets the spanning tree hello time

Syntax

-

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<1-10>	Set spanning tree hello time

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spanning-tree learning

Sets the learning type for port(s)

Syntax

-

Default

None

Command mode

Interface Configuration Mode

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spanning-tree max-age

Sets the spanning tree maximum age

Syntax

-

Default

None

Command mode

Global configuration mode

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spanning-tree mode

Sets the spanning tree operation mode

Syntax

Default

None

Command mode

Global configuration mode

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spanning-tree port

Specifies the port number to enable or disable spanning-tree

Syntax

-

Default

None

Command mode

Interface Configuration Mode

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spanning-tree port-mode

Sets the spanning-tree port membership mode

Syntax

-

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
auto	spanning-tree auto port membership mode

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spanning-tree priority (Global)

Sets the spanning tree priority (in Hex); if 802.1T compliance, should be multiple of 0x1000

Syntax

-

Default

None

Command mode

Global configuration mode

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spanning-tree priority (port)

Sets the spanning tree priority for a port (in Hex); if 802.1T compliance, should be multiple of 0x10

Syntax

-

Default

None

Command mode

Interface Configuration Mode

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speed

Configure speed of a port

Syntax

-

Default

None

Command mode

Interface Configuration Mode

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speed port

Select port for operation

Syntax

.

Default

None

Command mode

Interface Configuration Mode

Command parameters

Parameter	Description
<port-list> 10	Configure speed of the specified port to 10 Mbps
<port-list> 100	Configure speed of the specified port to 100 Mbps
<port-list> 1000	Configure speed of the specified port to 1000 Mbps (1 Gig)
<port-list> auto	Autonegotiates the speed for the specified port

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sshc

Configures the SSHC settings

Syntax

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
-----------	-------------

pass-auth	
-----------	--



Command: stack auto-unit-replacement

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stack auto-unit-replacement

Sets auto unit replacement settings

Syntax

- stack auto-unit-replacement [config | enable]

Default

None

Command mode

Global configuration mode

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stack auto-unit-replacement-image

Sets the auto unit image replacement settings

Syntax

- stack auto-unit-replacement-image enable

Default

None

Command mode

Global configuration mode

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stack forced-mode

Enables the forced stack mode

Syntax

- `stack forced-mode`

Default

None

Command mode

Global configuration mode

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stack-monitor

Configures stack monitoring

Syntax

- `stack-monitor[enable | stack-size | trap-interval]`

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
enable	Enables stack monitoring

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storm-control all

Configure Storm Control settings for all types of traffic

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
action none	Globally sets the Storm Control action to none
poll-interval <5-300>	Sets the interval for watermark checking (seconds)

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storm-control broadcast

Configure broadcast Storm Control settings

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
action drop	Sets the Storm Control action to drop for the broadcast interface
action none	Sets the Storm Control action to none for the broadcast interface
action shutdown	Sets the Storm Control action to shutdown for the broadcast interface
enable	Enables storm control on the broadcast interface
high-watermark <10-1000000000>	Set high-watermark in pps for the broadcast interface
low-watermark <10-1000000000>	Set low-watermark in pps for the broadcast interface
poll-interval <5-300>	Sets the interval for watermark checking (seconds) for the broadcast interface
trap-interval <0-1000>	Sets the trap sending interval for the broadcast interface in poll-intervals when above high-watermark (0= do not send)

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storm-control multicast

Configure multicast Storm Control settings

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
action drop	Sets the Storm Control action to drop for the multicast interface
action none	Sets the Storm Control action to none for the multicast interface
action shutdown	Sets the Storm Control action to shutdown for the multicast interface
enable	Enables storm control on the multicast interface
high-watermark <10-1000000000>	Set high-watermark in pps for the multicast interface
low-watermark <10-1000000000>	Set low-watermark in pps for the multicast interface
poll-interval <5-300>	Sets the interval for watermark checking (seconds) for the multicast interface
trap-interval <0-1000>	Sets the trap sending interval for the multicast interface in poll-intervals when above high-watermark (0= do not send)

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storm-control unicast

Configure unicast storm control settings

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
action drop	Sets the Storm Control action to drop for the unicast interface
action none	Sets the Storm Control action to none for the unicast interface
action shutdown	Sets the Storm Control action to shutdown for the unicast interface
enable	Enables storm control on the unicast interface
high-watermark <10-1000000000>	Set high-watermark in pps for the unicast interface
low-watermark <10-1000000000>	Set low-watermark in pps for the unicast interface
poll-interval <5-300>	Sets the interval for watermark checking (seconds) for the unicast interface
trap-interval <0-1000>	Sets the trap sending interval for the unicast interface in poll-intervals when above high-watermark (0= do not send)

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tacacs accounting

TACACS+ accounting tracks the user actions

Syntax

- `tacacs accounting [enable | disable]`

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<code>disable</code>	Disable TACACS+ accounting
<code>enable</code>	Enable TACACS+ accounting

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tacacs authorization

TACACS+ authorization determines the user privileges

Syntax

- tacacs authorization [enable | disable |level]

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
enable	Enable TACACS+ authorization
level none	Disable TACACS+ authorization on all privilege levels

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tacacs server

TACACS+ server's primary/secondary host, shared secret key and TCP port

Syntax

- `tacacs server [host | key | port <port-list> | secondary-host]`

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<code>port <tcp-port></code>	Specifies the TACACS+ TCP port

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tacacs server secondary-host

TACACS+ secondary host

Syntax

- `tacacs server secondary-host <A.B.C.D>`

Default

None

Command mode

Global configuration mode

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tacacs switch

Switch between TACACS+ privilege levels

Syntax

- tacacs switch [back | level]

Default

None

Command mode

Global configuration mode

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telnet

Telnet to another host

Syntax

Default

None

Command mode

Privileged EXEC Mode

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telnet-access

Configure TELNET access settings

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
enable	Enable TELNET access
logging	Level of logging for TELNET and CONSOLE attempts

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terminal

Set terminal line parameters

Syntax

- terminal <length | speed | width>

Default

None

Command mode

Privileged EXEC Mode

Command parameters

Parameter	Description
length <0-132>	Sets the number of lines on a screen
speed <2400, 4800, 9600, 19200 or 38400>	Sets the transmit and receive speeds
width <1-132>	Sets the width of the display terminal

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tftp-server

Configure the tftp server

Syntax

- `tftp-server <A.B.C.D | WORD>`

Default

None

Command mode

Global configuration mode

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traceroute

Traces the route to a remote host

Syntax

- `traceroute <Hostname | WORD>`

Default

None

Command mode

Privileged EXEC Mode

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Command: username

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username

Sets the RO/RW credentials

Syntax

- username <WORD>

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<username> <password> ro	Read-only password (default)

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vlacp (Global)

Modify VLACP configuration

Syntax

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
enable	Enables VLACP for the system
macaddress <multicast-mac-addr>	Sets the multicast address used for VLACPDU

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vlacp (port)

Change VLACP configuration for specific port

Syntax

Default

None

Command mode

Interface Configuration Mode

Command parameters

Parameter	Description
enable	Enable VLACP for the port(s)
ethertype <0x8101-0x81ff> or <33025-33279>	Set the ethertype value of VLACP
fast-periodic-time <400-20000>	Set the fast-periodic time interval
funcmac-addr <mac-addr>	Set the mac-addr to exchange VLACPDU from end-to-end perspective
port <port-list>	Port number on which to enable or disable VLACP
slow-periodic-time <10000-30000>	Sets the slow periodic time interval

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vlan configcontrol

Configure the VLAN control mode

Syntax

- `vlan configcontrol`

Default

None

Command mode

Global configuration mode

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vlan create

Create new VLAN

Syntax

- `vlan create <port number>`

Default

None

Command mode

Global configuration mode

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vlan delete

Delete a VLAN

Syntax

- `vlan delete <port number>`

Default

None

Command mode

Global configuration mode

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vlan igmp

Modify IGMP snoop settings

Syntax

- `vlan igmp <1-4094>`

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<code><vlan-id> proxy disable</code>	Disable VLAN Proxy
<code><vlan-id> proxy enable</code>	Enable VLAN Proxy
<code><vlan-id> query-interval <1-65535></code>	Set the IGMP query interval robust-value
<code><vlan-id> robust-value <0- 255></code>	Set the IGMP robust value
<code><vlan-id> snooping disable</code>	Disable IGMP Snooping
<code><vlan-id> snooping enable</code>	Enable IGMP Snooping
<code><vlan-id> v1-members add <port-list></code>	Specify IGMPv1 static port membership.
<code><vlan-id> v1-members <port- list></code>	Specifies the port list
<code><vlan-id> v1-members remove</code>	Remove port members
<code><vlan-id> v2-members add <port-list></code>	Specify IGMPv2 static port membership.
<code><vlan-id> v2-members <port- list></code>	Specifies the port list
<code><vlan-id> v2-members remove</code>	Remove port members
<code>unknown-mcast-allow-flood <multicast-ip-addr></code>	Add multicast ip address to the list of multicast addresses for which flooding is allowed
<code>unknown-mcast-allow-flood</code>	Add multicast mac address to the list of multicast

<multicast-mac-addr>

unknown-mcast-no-flood

disable

unknown-mcast-no-flood

enable

addresses for which flooding is allowed

Permit flooding of packets with an unknown multicast address

Stop flooding of packets with an unknown multicast address

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vlan igmp unknown-mcast-allow-flood

Add address to the list of multicast addresses for which flooding is allowed

Syntax

- `vlan igmp unknown-mcast-allow-flood <1-4094>`

Default

None

Command mode

Global configuration mode

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vlan igmp unknown-mcast-no-flood

Enable/disable flooding of packets with an unknown multicast address

Syntax

- `vlan igmp unknown-mcast-no-flood <1-4094>`

Default

None

Command mode

Global configuration mode

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vlan members

Modify VLAN port membership

Syntax

- `vlan members <add | port number | remove>`

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
<code>remove <vlan-list> <port-list></code>	Remove ports from a VLAN

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vlan mgmt

Set management VLAN

Syntax

- `vlan mgmt <1-4094>`

Default

None

Command mode

Global configuration mode

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vlan name

Change the name of a VLAN

Syntax

- `vlan name <1-4094>`

Default

None

Command mode

Global configuration mode

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vlan ports

Modify VLAN port settings

Syntax

- `vlan ports <port number>`

Default

None

Command mode

Global configuration mode

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web-server

Modify WEB server parameters

Syntax

- web-server

Default

None

Command mode

Global configuration mode

Command parameters

Parameter	Description
disable	Disable HTTP access

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write memory

Write configuration to local NV storage

Syntax

- write memory

Default

None

Command mode

Privileged EXEC Mode



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