

Catalyst 4500 Series IOS Commands

New Commands

access-list hardware capture mode
bandwidth
class
counter
dbl
hardware statistics
hw-module port-group
ip dhcp snooping vlan number information option format-type
ip verify unicast source reachable-via
ipv6 mld snooping
ipv6 mld snooping last-listener-query-count
ipv6 mld snooping last-listener-query-interval
ipv6 mld snooping listener-message-suppression
ipv6 mld snooping robustness-variable
ipv6 mld snooping tcn
ipv6 mld snooping vlan
match (class-map configuration)
police
police (percent)
police rate
police (two rates)
priority
qos control-packets
service-policy (policy-map class)
set

[set cos](#)
[set dscp](#)
[set precedence](#)
[set qos-group](#)
[shape \(class-based queueing\)](#)
[show hw-module port-group](#)
[show ipv6 mld snooping](#)
[show ipv6 mld snooping mrouter](#)
[show ipv6 mld snooping querier](#)
[trust](#)
[vlan configuration](#)

Revised Commands

[class-map](#)
[ip dhcp snooping information option](#)
[monitor session](#)
[policy-map](#)
[show interfaces](#)
[show interfaces status](#)
[show ip dhcp snooping](#)
[show storm-control](#)
[storm-control](#)
[storm-control broadcast include multicast](#)

A Commands

[aaa accounting dot1x default start-stop group radius](#)
[aaa accounting system default start-stop group radius](#)
[clear mac-address-table](#)
[access-group mode](#)
[access-list hardware capture mode](#)
[access-list hardware entries](#)
[access-list hardware region](#)
[action](#)
[apply](#)
[arp access-list](#)
[attach module](#)
[auto qos voip](#)
[auto-sync](#)

C Commands

channel-group
channel-protocol
class-map
clear counters
clear hw-module slot password
clear interface gigabitethernet
clear interface vlan
clear ip access-template
clear ip arp inspection log
clear ip arp inspection statistics
clear ip dhcp snooping database
clear ip dhcp snooping database statistics
clear ip igmp group
clear ip mfib counters
clear ip mfib fastdrop
clear lacp counters
clear mac-address-table dynamic
clear pagp
clear port-security
clear qos
clear vlan counters
clear vmps statistics
counter (K5)
control-plane

D Commands

debug adjacency
debug backup
debug condition interface
debug condition standby
debug condition vlan
debug dot1x
debug etherchnl
debug interface
debug ip dhcp snooping event
debug ip dhcp snooping packet

debug ip verify source packet
debug ipc
debug lacp
debug monitor
debug nvram
debug pagp
debug platform packet protocol lacp
debug platform packet protocol pagp
debug pm
debug port-security
debug redundancy
debug spanning-tree
debug spanning-tree backbonefast
debug spanning-tree switch
debug spanning-tree uplinkfast
debug sw-vlan
debug sw-vlan ifs
debug sw-vlan notification
debug sw-vlan vtp
debug udld
debug vqpc
define interface-range
deny
diagnostic start
diagnostic monitor action
dot1x auth-fail max-attempts
dot1x auth-fail vlan
dot1x critical
dot1x critical eapol
dot1x critical recovery delay
dot1x critical vlan
dot1x control-direction
dot1x guest-vlan
dot1x guest-vlan supplicant
dot1x initialize
dot1x mac-auth-bypass
dot1x max-reauth-req
dot1x max-req

dot1x port-control
dot1x re-authenticate
dot1x re-authentication
dot1x system-auth-control
dot1x timeout
duplex

E Commands

erase
errdisable detect
errdisable recovery

F Commands

flowcontrol

H Commands

hw-module power
hw-module uplink select

I Commands

instance
interface
interface port-channel
interface range
interface vlan
ip arp inspection filter vlan
ip arp inspection limit (interface)
ip arp inspection log-buffer
ip arp inspection trust
ip arp inspection validate
ip arp inspection vlan
ip arp inspection vlan logging
ip cef load-sharing algorithm
ip dhcp snooping
ip dhcp snooping binding
ip dhcp snooping database

ip dhcp snooping information option
ip dhcp snooping information option allow-untrusted
ip dhcp snooping limit rate
ip dhcp snooping trust
ip dhcp snooping vlan
ip igmp filter
ip igmp max-groups
ip igmp profile
ip igmp query-interval
ip igmp snooping
ip igmp snooping report-suppression
ip igmp snooping vlan
ip igmp snooping vlan explicit-tracking
ip igmp snooping vlan immediate-leave
ip igmp snooping vlan mrouter
ip igmp snooping vlan static
ip local-proxy-arp
ip mfib fastdrop
ip route-cache flow
ip source binding
ip sticky-arp
ip verify header vlan all
ip verify source
issu abortversion
issu acceptversion
issu commitversion
issu config-sync mismatched-commands
issu loadversion
issu runversion
issu set rollback-timer

L Commands

l2protocol-tunnel
l2protocol-tunnel cos
l2protocol-tunnel drop-threshold
l2protocol-tunnel shutdown-threshold
lACP port-priority

lacp system-priority
logging event trunk-status global (global configuration)
logging event link-status global (global configuration)
logging event link-status (interface configuration)
logging event trunk-status (interface configuration)

M Commands

mac access-list extended
mac-address-table aging-time
mac-address-table dynamic group protocols
mac-address-table notification
mac-address-table static
macro apply cisco-desktop
macro apply cisco-phone
macro apply cisco-router
macro apply cisco-switch
macro global apply cisco-global
macro global apply system-cpp
macro global description
main-cpu
match
match flow ip
mdix auto
media-type
mode
monitor session
mtu

N Commands

name

P Commands

pagp learn-method
pagp port-priority
passive-interface
permit
policy-map

[port-channel load-balance](#)
[port-security mac-address](#)
[port-security mac-address sticky](#)
[port-security maximum](#)
[power dc input](#)
[power inline](#)
[power inline consumption](#)
[power redundancy-mode](#)
[private-vlan](#)
[private-vlan mapping](#)
[private-vlan synchronize](#)

Q Commands

[qos \(global configuration mode\)](#)
[qos \(interface configuration mode\)](#)
[qos account layer2 encapsulation](#)
[qos aggregate-policer](#)
[qos cos](#)
[qos dbl](#)
[qos dscp](#)
[qos map cos](#)
[qos map dscp](#)
[qos map dscp policed](#)
[qos rewrite ip dscp](#)
[qos trust](#)
[qos vlan-based](#)

R Commands

[redundancy](#)
[redundancy force-switchover](#)
[redundancy reload](#)
[remote login module](#)
[remote-span](#)
[renew ip dhcp snooping database](#)
[reset](#)
[revision](#)

S Commands

service-policy (interface configuration)
service-policy input (control-plane)
session module
shape (interface configuration)
snmp ifindex clear
snmp ifindex persist
snmp-server enable traps
snmp-server ifindex persist
snmp-server ifindex persist compress
snmp trap mac-notification change
spanning-tree backbonefast
spanning-tree bpduguard
spanning-tree bpduguard
spanning-tree cost
spanning-tree etherchannel guard misconfig
spanning-tree extend system-id
spanning-tree guard
spanning-tree link-type
spanning-tree loopguard default
spanning-tree mode
spanning-tree mst
spanning-tree mst configuration
spanning-tree mst forward-time
spanning-tree mst hello-time
spanning-tree mst max-age
spanning-tree mst max-hops
spanning-tree mst root
spanning-tree pathcost method
spanning-tree portfast (interface configuration mode)
spanning-tree portfast bpduguard default
spanning-tree portfast bpduguard default
spanning-tree portfast default
spanning-tree port-priority
spanning-tree uplinkfast
spanning-tree vlan
speed

storm-control
 switchport
 switchport access vlan
 switchport block
 switchport mode
 switchport port-security
 switchport private-vlan association trunk
 switchport private-vlan host-association
 switchport private-vlan mapping
 switchport private-vlan trunk allowed vlan
 switchport private-vlan trunk native vlan tag
 switchport trunk
 system mtu

Show Commands

show access-group mode interface
 show adjacency
 show arp access-list
 show auto install status
 show auto qos
 show bootflash:
 show bootvar
 show cable-diagnostics tdr
 show cdp neighbors
 show class-map
 show diagnostic content
 show diagnostic result module
 show diagnostic result module test
 show diagnostic result module test 2
 show diagnostic result module test 3
 show dot1x
 show environment
 show errdisable detect
 show errdisable recovery
 show etherchannel
 show flowcontrol
 show hw-module uplink

show idprom
show interfaces
show interfaces capabilities
show interfaces counters
show interfaces description
show interfaces link
show interfaces mtu
show interfaces private-vlan mapping
show interfaces status
show interfaces switchport
show interfaces transceiver
show interfaces trunk
show ip arp inspection
show ip arp inspection log
show ip cef vlan
show ip dhcp snooping
show ip dhcp snooping binding
show ip dhcp snooping database
show ip igmp interface
show ip igmp profile
show ip igmp snooping
show ip igmp snooping mrouter
show ip igmp snooping vlan
show ip interface
show ip mfib
show ip mfib fastdrop
show ip mroute
show ip source binding
show ip verify source
show issu capability
show issu clients
show issu comp-matrix
show issu config-sync
show issu endpoints
show issu entities
show issu fsm
show issu message
show issu negotiated

show issu rollback-timer
show issu sessions
show issu state
show ipc
show lacp
show mac access-group interface
show mac-address-table address
show mac-address-table aging-time
show mac-address-table count
show mac-address-table dynamic
show mac-address-table interface
show mac-address-table multicast
show mac-address-table notification
show mac-address-table protocol
show mac-address-table static
show mac-address-table vlan
show module
show monitor
show pagp
show policy-map
show policy-map control-plane
show policy-map interface
show policy-map interface vlan
show port-security
show power
show qos
show qos aggregate policer
show qos dbl
show qos interface
show qos maps
show redundancy
show running-config
show slavebootflash:
show slaveslot0:
show slot0:
show spanning-tree
show spanning-tree mst
show storm-control

show system mtu
show tech-support
show uddl
show vlan
show vlan access-map
show vlan counters
show vlan dot1q tag native
show vlan internal usage
show vlan mtu
show vlan private-vlan
show vlan remote-span
show vmps
show vtp

T Commands

test cable-diagnostics tdr
traceroute mac
traceroute mac ip
tx-queue

U Commands

udld (global configuration mode)
udld (interface configuration mode)
udld reset
unidirectional
username

V Commands

verify
vlan (VLAN Database mode)
vlan access-map
vlan database
vlan dot1q tag native
vlan filter
vlan internal allocation policy

vmps reconfirm (global configuration)

vmps reconfirm (privileged EXEC)

vmps retry

vmps server

vtp (global configuration mode)

vtp client

vtp domain

vtp password

vtp pruning

vtp server

vtp transparent

vtp v2-mode