



Catalyst 4500 Series IOS Commands

New Commands

`diagnostic start`
`dot1x auth-fail max-attempts`
`dot1x auth-fail vlan`
`erase`
`logging event link-status global (global configuration)`
`logging event link-status (interface configuration)`
`logging event trunk-status global (global configuration)`
`logging event trunk-status (interface configuration)`
`show cable-diagnostics tdr`
`show diagnostic result module test`
`test cable-diagnostics tdr`

Revised Commands

`hw-module uplink select`
`match flow ip`
`show class-map`
`show policy-map interface`
`show power`

A Commands

`aaa accounting dot1x default start-stop group radius`
`aaa accounting system default start-stop group radius`
`access-group mode`
`access-list hardware entries`
`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

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 psecure
debug redundancy
debug smf updates
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 uddl
debug vqpc
define interface-range
deny
diagnostic start
diagnostic monitor action
dot1x auth-fail max-attempts
dot1x auth-fail vlan
dot1x guest-vlan
dot1x guest-vlan supplicant
dot1x initialize
dot1x max-reauth-req
dot1x max-req
dot1x multiple-hosts

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 vlan dhcp-snooping`

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 static
macro apply cisco-desktop
macro apply cisco-phone
macro apply cisco-router
macro apply cisco-switch
main-cpu
match
match flow ip
media-type
mode
monitor session
mtu

N Commands

name

P Commands

pagp learn-method
pagp port-priority
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
power supplies required
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
session module
shape
snmp ifindex clear
snmp ifindex persist
snmp-server enable traps
snmp-server ifindex persist
snmp-server ifindex persist compress
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 bpdupfilter 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 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 protocol
show mac-address-table static
show mac-address-table vlan
show module
show monitor
show pagp
show policy-map
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