



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 udd`
`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 bpdupfilter
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 udd`
`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