



Catalyst 4500 Series IOS Commands

New Commands

`access-list hardware region`

`control-plane`

`dot1x critical`

`dot1x critical eapol`

`dot1x critical recovery delay`

`dot1x critical vlan`

`dot1x control-direction`

`dot1x mac-auth-bypass`

`mac-address-table notification`

`macro global apply cisco-global`

`macro global apply system-cpp`

`macro global description`

`passive-interface`

`service-policy input (control-plane)`

`show mac-address-table notification`

`show policy-map control-plane`

`snmp trap mac-notification change`

Revised Commands

`clear mac-address-table`

`clear port-security`

`show dot1x`

`show interfaces`

`snmp-server enable traps`

`switchport mode`

`switchport port-security`

switchport private-vlan mapping

A Commands

aaa accounting dot1x default start-stop group radius

aaa accounting system default start-stop group radiusclear mac-address-table

access-group 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
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 uddl
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 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 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
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](#)

[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
service-policy input (control-plane)
session module
shape
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 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 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 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 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

`udd (global configuration mode)`
`udd (interface configuration mode)`
`udd 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

