



Catalyst 4500 Series IOS Commands

New Commands

`dot1X guest-vlan supplicant`
`ip dhcp snooping information option allow-untrusted`
`port-security mac-address`
`port-security mac-address sticky`
`port-security maximum`
`show policy-map interface vlan`

Revised Commands

`dot1x guest-vlan`
`dot1x timeout`
`service-policy`
`show dot1x`
`show ip dhcp snooping`
`show port-security`

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 monitor action
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

[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`

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 class-map
 show diagnostic content
 show diagnostic result module
 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

`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