



Catalyst 4500 Series IOS Commands

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](#)

ALPHA DRAFT - CISCO CONFIDENTIAL

clear ip mfib fastdrop
clear lacp counters
clear mac-address-table dynamic
clear pagp
clear port-security
clear qos
clear vlan counters
clear vmpls 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

ALPHA DRAFT - CISCO CONFIDENTIAL

debug sw-vlan ifs
debug sw-vlan notification
debug sw-vlan vtp
debug udd
debug vqpc
define interface-range
deny
diagnostic monitor action
dot1x guest-vlan
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

I Commands

instance
interface port-channel
interface range
interface vlan
ip arp inspection filter vlan

ALPHA DRAFT - CISCO CONFIDENTIAL

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 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

ALPHA DRAFT - CISCO CONFIDENTIAL

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

media-type

mode

monitor session

mtu

N Commands

name

P Commands

pagp learn-method

pagp port-priority

permit

policy-map

port-channel load-balance

power dc input

power inline

power inline consumption

power redundancy-mode

power supplies required

private-vlan

private-vlan mapping

private-vlan synchronize

ALPHA DRAFT - CISCO CONFIDENTIAL**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

ALPHA DRAFT - CISCO CONFIDENTIAL

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 bpdufilter 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

ALPHA DRAFT - CISCO CONFIDENTIAL**Show Commands**

show access-group mode interface
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 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

ALPHA DRAFT - CISCO CONFIDENTIAL

show ip igmp profile
show ip igmp snooping
show ip igmp snooping mrouter
show ip igmp snooping vlan
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 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:

ALPHA DRAFT - CISCO CONFIDENTIAL

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

ALPHA DRAFT - CISCO CONFIDENTIAL

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

ALPHA DRAFT - CISCO CONFIDENTIAL