

Catalyst 4500 Series IOS Commands

New Commands

active
anyp client server
anyp mode client
authentication control-direction
authentication critical recovery delay
authentication event
authentication fallback
authentication host-mode
authentication open
authentication order
authentication periodic
authentication port-control
authentication priority
authentication timer
clear pppoe intermediate-agent statistics
debug pppoe intermediate-agent
destination address
destination message-size-limit bytes
destination preferred-msg-format
destination transport-method
lldp run
mab
power inline police
pppoe intermediate-agent format-type (global)
pppoe intermediate-agent (interface)

pppoe intermediate-agent limit rate
pppoe intermediate-agent trust
pppoe intermediate-agent vendor-tag strip
pppoe intermediate-agent format-type (interface)
pppoe intermediate-agent (interface vlan-range)
pppoe intermediate-agent format-type (interface vlan-range)
profile
show ancp multicast
show authentication
show mab
show pppoe intermediate-agent interface
subscribe-to-alert-group all
subscribe-to-alert-group configuration
subscribe-to-alert-group diagnostic
subscribe-to-alert-group environment
subscribe-to-alert-group inventory
subscribe-to-alert-group syslog

A Commands

aaa accounting dot1x default start-stop group radius
aaa accounting system default start-stop group radius
access-group mode
access-list hardware capture mode
access-list hardware entries
access-list hardware region
action
apply
ancp client server
ancp mode client
apply
arp access-list
attach module
authentication control-direction
authentication critical recovery delay
authentication event
authentication fallback
authentication host-mode

authentication open
authentication order
authentication periodic
authentication port-control
authentication priority
authentication timer
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 binding
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 pppoe intermediate-agent statistics
clear qos
clear vlan counters
clear vmps statistics
counter (K5)
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 pppoe intermediate-agent
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 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 mode shared-backplane
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
issu abortversion

issu acceptversion
issu commitversion
redundancy config-sync mismatched-commands
issu loadversion
issu runversion
issu set rollback-timer

L Commands

l2protocol-tunnel
l2protocol-tunnel cos
l2protocol-tunnel drop-threshold
l2protocol-tunnel shutdown-threshold
lacp port-priority
lacp system-priority
lldp run
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

mab
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

mdix auto
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 inline police
power redundancy-mode
pppoe intermediate-agent format-type (global)
pppoe intermediate-agent (interface)
pppoe intermediate-agent limit rate
pppoe intermediate-agent trust
pppoe intermediate-agent vendor-tag strip
pppoe intermediate-agent format-type (interface)
pppoe intermediate-agent (interface vlan-range)
pppoe intermediate-agent format-type (interface vlan-range)
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 db1
qos dscp
qos map cos
qos map dscp
qos map dscp policed
qos rewrite ip dscp
qos trust
qos vlan-based
queue-limit

R Commands

redundancy
redundancy config-sync mismatched-commands
redundancy force-switchover
redundancy reload
remote login module
remote-span
renew ip dhcp snooping database
reset
revision

S Commands

service-policy (interface configuration)
service-policy input (control-plane)
session module
shape (interface configuration)
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 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 ancp multicast
show arp access-list
show authentication
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 issu capability
show issu clients
show issu comp-matrix
show redundancy config-sync
show issu endpoints
show issu entities
show issu fsm
show issu message
show issu negotiated
show issu rollback-timer
show issu sessions
show issu state
show ipc
show lacp
show mab
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 pppoe intermediate-agent interface
show qos
show qos aggregate policer
show qos db1
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

