



Catalyst 6500 Series Cisco IOS Commands

A Commands

[action](#)

[apply](#)

[attach](#)

[auto-sync](#)

B Commands

[boot config](#)

C Commands

[cd](#)

[channel-group](#)

[channel-protocol](#)

[class-map](#)

[clear catalyst6000 traffic-meter](#)

[clear counters](#)

[clear interface gigabitethernet](#)

[clear interface vlan](#)

[clear ip access-template](#)

[clear ip auth-proxy watch-list](#)

[clear ip cef epoch full](#)

[clear ip cef inconsistency](#)

[clear ip flow stats](#)

[clear ip igmp group](#)

[clear lacp counters](#)

[clear mac-address-table dynamic](#)

`clear mls`
`clear mls exclude protocol`
`clear mls ip multicast statistics`
`clear mls nde counters`
`clear mls nde flow`
`clear mls qos`
`clear pagp`
`clear spanning-tree detected-protocol`
`clear vlan counters`
`copy /noverify`

D Commands

`debug adjacency`
`debug backup`
`debug callback`
`debug cca`
`debug condition interface`
`debug condition standby`
`debug condition vlan`
`debug earl`
`debug ehss`
`debug entry`
`debug etherchnl`
`debug ethernet-interface`
`debug fastethernet`
`debug fm`
`debug gssapi`
`debug icc`
`debug iccshim`
`debug interface`
`debug ipc`
`debug ip rgmp`
`debug l2-mgr events`
`debug l3-mgr`
`debug local-ack`
`debug ltl`
`debug mergeapi`

debug mls ip multicast
debug mls rp
debug monitor
debug msc
debug netdr
debug nvram
debug pagp
debug pf
debug pm
debug priority
debug qm
debug qm-sp
debug rpc
debug scp
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 team
debug udd
debug vacl
debug vlog
define interface-range
diagnostic level
disconnect qdm
do
dot1x default
dot1x max-req
dot1x multi-hosts
dot1x port-control
dot1x reauthentication
dot1x system-auth-control
dot1x timeout

`duplex`

E Commands

`erase`

`errdisable detect cause`

`errdisable recovery`

F Commands

`fabric lcd-banner`

`fabric required`

`fabric switching-mode allow`

`file verify auto`

`flowcontrol`

`format`

`fsck`

H Commands

`hw-module reset`

I Commands

`instance`

`interface`

`interface port-channel`

`interface range`

`interface vlan`

`ip access-list hardware permit fragments`

`ip auth-proxy max-login-attempts`

`ip auth-proxy watch-list`

`ip cef table consistency-check`

`ip flow-cache entries`

`ip flow-export destination`

`ip flow-export source`

`ip flow-export version`

`ip igmp snooping`

`ip igmp snooping fast-leave`

`ip igmp snooping l2-entry-limit`

ip igmp snooping last-member-query-interval
ip igmp snooping mrouter
ip igmp snooping querier
ip igmp snooping static
ip local-proxy-arp
ip multicast rpf backoff
ip multicast rpf interval
ip pim autorp listener
ip rgmp
ip route-cache flow
ip sticky-arp
ip verify unicast reverse-path
ip verify unicast source reachable-via
ip wccp group-listen
ip wccp redirect exclude in
ip wccp web-cache accelerated

L Commands

l2protocol-tunnel
l2protocol-tunnel cos
l2protocol-tunnel drop-threshold
l2protocol-tunnel shutdown-threshold
lACP port-priority
lACP system-priority
link debounce
logging event link-status (global configuration)
logging event link-status (interface configuration)

M Commands

mac access-list extended
mac-address-table aging-time
mac-address-table static
mac-address-table unicast-flood
match
maxconns (real server configuration submode)
maximum-paths
mdix auto

mkdir disk0:
mls aclmerge algorithm
mls aging fast
mls aging long
mls aging normal
mls exclude protocol
mls flow
mls ip
mls ip cef arp-throttling
mls ip cef rate-limit
mls ip cef load-sharing full
mls ip directed-broadcast
mls ip inspect
mls ip multicast (global configuration mode)
mls ip multicast (interface configuration mode)
mls ip multicast connected
mls ip multicast consistency-check
mls ip multicast non-rpf-netflow (global configuration mode)
mls ip multicast non-rpf-netflow (interface configuration mode)
mls ip multicast stub
mls ip multicast threshold
mls ip pbr
mls ipx (interface configuration mode)
mls nde flow
mls nde interface
mls nde sender
mls netflow
mls netflow maximum-flows
mls netflow sampling
mls netflow usage notify
mls qos (global configuration mode)
mls qos (interface configuration mode)
mls qos aggregate-policer
mls qos bridged
mls qos channel-consistency
mls qos cos
mls qos flow-policing
mls qos map cos-dscp

mls qos map dscp-cos
mls qos map ip-prec-dscp
mls qos statistics-export (global configuration mode)
mls qos statistics-export (interface configuration mode)
mls qos statistics-export aggregate-policer
mls qos statistics-export class-map
mls qos statistics-export delimiter
mls qos statistics-export destination
mls qos statistics-export interval
mls qos trust
mls qos trust extend
mls qos vlan-based
mls rp ip (global configuration mode)
mls rp ip (interface configuration mode)
mls rp ipx (global configuration mode)
mls rp ipx (interface configuration mode)
mls rp management-interface
mls rp nde-address
mls rp vlan-id
mls rp vtp-domain
mls sampling
mode
monitor session
mpls l2transport route
mpls load-balance per-label
mtu

N Commands

name
net

P Commands

pagp learn-method
pagp port-priority
policy-map
port-channel load-balance
power enable

- power inline
- power redundancy-mode
- ppp link
- private-vlan
- private-vlan mapping
- private-vlan synchronize
- protocol-filtering

R Commands

- rcv-queue cos-map
- rcv-queue queue-limit
- rcv-queue random-detect
- rcv-queue threshold
- redundancy
- redundancy force-switchover
- reload
- remote command
- remote login
- remote-span
- reset
- retry
- revision
- rmon alarm
- rmon event

S Commands

- scheduler allocate
- service counters max age
- service-policy input
- session slot
- set ip dscp
- set ip precedence (policy-map)
- show
- shutdown vlan
- snmp ifindex clear
- snmp ifindex persist
- snmp-server enable traps

snmp-server ifindex persist
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 bpdupfilter default
spanning-tree port-priority
spanning-tree uplinkfast
spanning-tree vlan
speed
squeeze
stack-mib portname
standby delay minimum reload
standby track
standby use-bia
storm-control level
switchport
switchport access vlan
switchport capture
switchport capture allowed vlan
switchport mode
switchport port-security

switchport port-security aging time
switchport port-security mac-address
switchport port-security maximum
switchport port-security violation
switchport private-vlan host-association
switchport private-vlan mapping
switchport protocol
switchport trunk
switchport voice vlan
sync-restart-delay
system jumbomtu

Show Commands

show adjacency
show arp
show asic-version
show bootflash:
show bootvar
show cable-diagnostics prbs
show cable-diagnostics tdr
show catalyst6000
show cdp neighbors
show class-map
show counters interface
show cwan
show diagnostic
show dot1q-tunnel
show dot1x
show environment alarm
show environment status
show environment temperature
show eobc
show errdisable detect
show errdisable recovery
show etherchannel
show fabric
show fm features

show fm inband-counters
show fm insp
show fm interface
show fm reflexive
show fm summary
show fm vlan
show icc
show idprom
show interfaces
show interfaces capabilities
show interfaces counters
show interfaces debounce
show interfaces description
show interfaces flowcontrol
show interfaces private-vlan mapping
show interfaces status
show interfaces summary
show interfaces switchport
show interfaces trunk
show ip auth-proxy watch-list
show ip cache flow
show ip cef epoch
show ip cef inconsistency
show ip cef summary
show ip cef vlan
show ip igmp interface
show ip igmp snooping mrouter
show ip mroute
show ip rpf events
show ip wccp
show ipc
show l2protocol-tunnel
show l3-mgr
show lacp
show mac-address-table
show mls asic
show mls cef
show mls cef adjacency

`show mls cef exact-route`
`show mls cef hardware`
`show mls cef ip`
`show mls cef ipx`
`show mls cef logging`
`show mls cef mac`
`show mls cef statistics`
`show mls cef summary`
`show mls ip`
`show mls ip multicast`
`show mls ip statistics`
`show mls ipx`
`show mls nde`
`show mls netflow`
`show mls netflow ip`
`show mls netflow ipx`
`show mls qos`
`show mls qos aggregate policer`
`show mls qos statistics-export info`
`show mls sampling`
`show mls statistics`
`show mls table-contention`
`show module`
`show monitor session`
`show mpls l2transport vc`
`show mpls ttfib`
`show msfc`
`show pagp`
`show platform`
`show policy-map`
`show policy-map interface`
`show port-security`
`show power`
`show protocol-filtering`
`show qdm status`
`show qm-sp port-data`
`show queueing interface`
`show redundancy`

`show rom-monitor`
`show rpc`
`show running-config`
`show scp`
`show slot0:`
`show spanning-tree`
`show spanning-tree mst`
`show standby delay`
`show sup-bootflash`
`show tcam counts`
`show tcam interface`
`show tech-support`
`show udd`
`show vlan`
`show vlan access-log`
`show vlan access-map`
`show vlan counters`
`show vlan dot1q tag native`
`show vlan filter`
`show vlan internal usage`
`show vlan mapping`
`show vlan private-vlan`
`show vlan remote-span`
`show vlans`
`show vtp`

T Commands

`tcam priority`
`test cable-diagnostics`
`time-range`

U Commands

`udd`
`udd port`
`udd reset`
`upgrade rom-monitor`
`username`

V Commands

`verify`
`vlan (config-VLAN submode)`
`vlan (global configuration mode)`
`vlan (VLAN configuration submode)`
`vlan access-log`
`vlan access-map`
`vlan database`
`vlan dot1q tag native`
`vlan filter`
`vlan internal allocation policy`
`vlan mapping`
`vtp`

W Commands

`wrr-queue bandwidth`
`wrr-queue cos-map`
`wrr-queue queue-limit`
`wrr-queue random-detect`
`wrr-queue threshold`