



Cisco IOS XR Commands Master List, Release 4.2.x

This page contains an alphabetical list of all the commands documented for the Cisco XR 12000 Series Router running Cisco IOS XR Release 4.2.x software. Use the **Alphabet Key** or your web browser's Find function to search for a command. To access the documentation for a particular command, click on the command name.

A

[aaa accounting](#)

[aaa accounting system default](#)

[aaa accounting update](#)

[aaa authentication](#)

[aaa authorization](#)

[aaa default-taskgroup](#)

[aaa group server radius](#)

[aaa group server tacacs+](#)

[abort](#)

[abort \(RPL\)](#)

[absolute-timeout](#)

[accept](#)

[accept-mode](#)

[accept-register](#)

[accept-tolerance](#)

[access-class](#)

[access-group \(IGMP/MLD\)](#)

[access-group \(NTP\)](#)

[access-list](#)

[accounting \(IKE\)](#)

[accounting \(line\)](#)

[accounting per-prefix](#)

[accounting per-prefix forward-only](#)

[acl](#)

[action \(IP SLA\)](#)

[action \(VPLS\)](#)

[action capabilities-conflict](#)

[action critical-event](#)

[action discovery-timeout](#)

[action dying-gasp](#)

[action high-threshold](#)

[action remote-loopback](#)

[action session-down](#)

[action session-up](#)

[action uni-directional link-fault](#)

[action wiring-conflict](#)

[active](#)

[add](#)

[add \(bulkstat object\)](#)

[additional-paths install backup](#)

[additional-paths receive](#)

[additional-paths selection](#)

[additional-paths send](#)

[address](#)

[address \(VRRP\)](#)

[address \(hsrp\)](#)

[address global](#)

[address ipv4 \(MPP\)](#)

[address linklocal](#)

[address secondary](#)

[address secondary \(hsrp\)](#)

[address-family](#)

[address-family \(BGP\)](#)

[address-family \(EIGRP\)](#)

[address-family \(IS-IS\)](#)

address-family (OSPF)
address-family (OSPFv3)
address-family (multicast)
address-family (static)
address-family ipv4 mvpn (bgp)
address-family ipv4 unicast (BFD)
address-family ipv4 unicast (BFD)
address-family multicast topology (IS-IS)
address-family next-hop dampening disable
adjacency stagger
adjacency-check disable
adjustment-threshold
admin
admin-weight
advertise best-external
advertise passive-only
advertisement-interval
af-group
affinity
affinity-map
ageout
aggregate
aggregate-address
aging (VPLS)
ais transmission
ais transmission up
ais-shut (SONET path)
ais-shut (SONET)
alarm
alert-group disable
alias
all-alarms
all-of-router
allocate-label
allow
allow-hint
allowas-in
application (MPLS-TE)
apply
apply-template
aps group
aps group (global)
archive-length
archive-size
area (OSPF)
area (OSPFv3)
arp
arp purge-delay
arp timeout
as-format
as-override
as-path in
as-path is-local
as-path length
as-path neighbor-is
as-path originates-from
as-path passes-through
as-path unique-length
as-path-set
atm address-registration
atm ilmi-config disable
atm ilmi-keepalive
atm ilmi-trap disable
atm maxvpi-bits 12
atm mcpt-timers
atm oam flush
attached-bit receive ignore
attached-bit send
attribute-filter group
attribute-flags
attribute-names
attribute-set
au
authenticate (NTP)
authenticate (PGP)
authentication (IKE policy)
authentication (L2TP)
authentication (OSPF)

authentication (OSPFv3)
 authentication (RSVP)
 authentication (hsrp)
 authentication keychain
 authentication keychain mode (RIP)
 authentication-key (NTP)
 authentication-key (OSPF)
 authorization
 auto-bw (MPLS-TE)
 auto-bw collect frequency (MPLS-TE)
 auto-cost (OSPF)
 auto-cost (OSPFv3)
 auto-rp candidate-rp
 auto-rp listen disable
 auto-rp mapping-agent
 auto-summary (EIGRP)
 auto-summary (RIP)
 auto-tunnel backup (MPLS-TE)
 auto-update client
 autocommand
 autonomous-system
 autoroute announce
 autoroute metric

B

b3-ber-prdi
 backoff
 backup (L2VPN)
 backup disable (L2VPN)
 backup-bw
 backup-path tunnel-te
 backup-server
 bandwidth (QoS)
 bandwidth (RSVP)
 bandwidth (global)
 bandwidth mam (RSVP)
 bandwidth rdm (RSVP)
 bandwidth remaining

bandwidth-percent (EIGRP)
 banner
 banner exec
 banner incoming
 banner login
 banner motd
 banner prompt-timeout
 bert e1
 bert e3
 bert error
 bert interval
 bert pattern
 bert t1
 bert t3
 bfd
 bfd
 bfd (BGP)
 bfd address-family ipv4 destination
 bfd address-family ipv4 destination
 bfd address-family ipv4 fast-detect
 bfd address-family ipv4 fast-detect
 bfd address-family ipv4 minimum-interval
 bfd address-family ipv4 minimum-interval
 bfd address-family ipv4 multiplier
 bfd address-family ipv4 multiplier
 bfd address-family ipv4 timers
 bfd address-family ipv4 timers
 bfd fast-detect
 bfd fast-detect
 bfd fast-detect (hsrp)
 bfd minimum-interval
 bfd minimum-interval
 bfd minimum-interval (VRRP)
 bfd multipath include location
 bfd multipath include location
 bfd multiplier
 bfd multiplier
 bfd multiplier (VRRP)
 bgp as-path-loopcheck

bgp attribute-download
 bgp auto-discovery mldp inter-as
 bgp auto-policy-soft-reset disable
 bgp bestpath as-path ignore
 bgp bestpath compare-routerid
 bgp bestpath cost-community ignore
 bgp bestpath med always
 bgp bestpath med confed
 bgp bestpath med missing-as-worst
 bgp client-to-client reflection disable
 bgp cluster-id
 bgp confederation identifier
 bgp confederation peers
 bgp dampening
 bgp default local-preference
 bgp enforce-first-as disable
 bgp fast-external-fallover disable
 bgp graceful-restart
 bgp graceful-restart graceful-reset
 bgp graceful-restart purge-time
 bgp graceful-restart restart-time
 bgp graceful-restart stalepath-time
 bgp import-delay
 bgp label-delay
 bgp log neighbor changes disable
 bgp maximum neighbor
 bgp redistribute-internal
 bgp router-id
 bgp scan-time
 bgp update-delay
 bgp write-limit
 boundary
 bridge group (VPLS)
 bridge-domain (VPLS)
 broadcast
 broadcast client
 broadcast-flag policy check
 broadcast-for-v2
 broadcastdelay

browser-proxy
 bsr candidate-bsr
 bsr candidate-rp
 bsr-border
 buckets (history)
 buckets (statistics hourly)
 buckets (statistics interval)
 buckets archive
 buckets size
 buffer-size
 bundle
 bundle id
 bundle maximum-active links
 bundle minimum-active bandwidth
 bundle minimum-active links
 bundle port-priority
 bundle-hash
 bw-limit (MPLS-TE)

C

cablelength
 cablelength long
 cablelength short
 cache entries
 cache permanent
 cache timeout
 cache-sa holdtime
 cache-sa-state
 call-home
 call-home request
 call-home send
 call-home send alert-group inventory
 call-home test
 capability opaque disable
 capability orf prefix
 capability suppress 4-byte-as
 capability vrf-lite (OSPFv3)
 carrier-delay

cd
cdp
cdp advertise v1
cdp holdtime
cdp log adjacency changes
cdp timer
cef load-balancing fields
cell-packing
cfs check
channel local
channel remote
channel-group
child-conform-aware
cinetd rate-limit
circuit-type
class (policy-map)
class-int
class-map
class-vc
clear access-list ipv4
clear access-list ipv6
clear adjacency statistics
clear arp-cache
clear bfd counters
clear bfd counters
clear bgp
clear bgp current-mode
clear bgp dampening
clear bgp external
clear bgp flap-statistics
clear bgp nexthop performance-statistics
clear bgp nexthop registration
clear bgp peer-drops
clear bgp performance-statistics
clear bgp self-originated
clear bgp shutdown
clear bgp soft
clear cdp counters
clear cdp table
clear cef ipv4 drops
clear cef ipv4 exceptions
clear cef ipv4 interface bgp-policy-statistics
clear cef ipv4 interface rpf-statistics
clear cef ipv6 drops
clear cef ipv6 exceptions
clear cef ipv6 interface bgp-policy-statistics
clear cef ipv6 interface rpf-statistics
clear comment
clear configuration commits
clear configuration inconsistency
clear configuration inconsistency replica
clear configuration sessions
clear context
clear controller t1
clear controller t3
clear counters
clear counters sonet
clear crypto ca certificates
clear crypto ca crl
clear crypto ipsec sa
clear crypto ipsec sa interface
clear crypto isakmp
clear crypto isakmp call admission statistics
clear crypto isakmp errors
clear crypto session
clear cryptoengine statistics
clear dhcp ipv6 binding
clear eigrp neighbors
clear eigrp topology
clear ethernet cfm ccm-learning-database location
clear ethernet cfm interface statistics
clear ethernet cfm local meps
clear ethernet cfm peer meps
clear ethernet cfm traceroute-cache
clear ethernet oam statistics
clear ethernet sla statistics all
clear ethernet sla statistics on-demand
clear ethernet sla statistics profile

clear fabricq counters all
clear fabricq counters frfab
clear fabricq counters tofab
clear flow exporter
clear flow monitor
clear frame-relay lmi interface
clear frame-relay multilink interface
clear host
clear hsrp statistics
clear igmp counters
clear igmp group
clear igmp reset
clear install boot-options
clear install label
clear install log-history oldest
clear install rollback oldest
clear interface
clear iphc ipv4
clear ipv6 duplicate address
clear ipv6 neighbors
clear isis process
clear isis route
clear isis statistics
clear l2tp counters control session
clear l2tp counters control tunnel
clear l2tp tunnel
clear l2vpn bridge-domain (VPLS)
clear l2vpn collaborators
clear l2vpn counters bridge mac-withdrawal
clear l2vpn counters l2tp
clear l2vpn forwarding counters
clear l2vpn forwarding mac-address-table
clear l2vpn forwarding message counters
clear l2vpn forwarding table
clear lacp c
clear license
clear license log
clear line
clear line vty
clear logging
clear logging correlator delete
clear logging events delete
clear logging events reset
clear logging onboard
clear lpts ifib statistics
clear lpts pifib hardware statistics
clear lpts pifib statistics
clear mac-accounting (Ethernet)
clear mbus-statistics location
clear mfib counter
clear mfib database
clear mfib hardware adjacency-counters
clear mld counters
clear mld group
clear mld reset
clear mpls ldp forwarding
clear mpls ldp msg-counters neighbor
clear mpls ldp neighbor
clear mpls lmp
clear mpls oam counters
clear mpls traffic-eng auto-bw (MPLS-TE EXEC)
clear mpls traffic-eng auto-tunnel backup unused
clear mpls traffic-eng auto-tunnel mesh
clear mpls traffic-eng counters auto-tunnel backup
clear mpls traffic-eng counters auto-tunnel mesh
clear mpls traffic-eng counters global
clear mpls traffic-eng counters signaling
clear mpls traffic-eng counters soft-preemption
clear mpls traffic-eng fast-reroute log
clear mpls traffic-eng link-management statistics
clear mpls traffic-eng pce
clear msdp peer
clear msdp sa-cache
clear msdp stats
clear nsr ncd client
clear nsr ncd queue
clear ospf process
clear ospf redistribution

clear ospf routes
clear ospf statistics
clear ospf statistics interface
clear ospfv3 process
clear ospfv3 redistribution
clear ospfv3 routes
clear ospfv3 statistics
clear pim autorp
clear pim bsr
clear pim counters
clear pim topology
clear prefix-list ipv4
clear prefix-list ipv6
clear qos counters interface
clear raw statistics pcb
clear rip
clear rip database
clear rip interface
clear rip out-of-memory
clear rip statistics
clear route
clear rsvp authentication
clear rsvp counters all
clear rsvp counters authentication
clear rsvp counters chkpt
clear rsvp counters events
clear rsvp counters messages
clear rsvp counters oor
clear rsvp counters prefix-filtering
clear snmp counters
clear ssh
clear tcp nsr client
clear tcp nsr pcb
clear tcp nsr session-set
clear tcp nsr statistics client
clear tcp nsr statistics pcb
clear tcp nsr statistics session-set
clear tcp nsr statistics summary
clear tcp pcb
clear tcp statistics
clear udp statistics
clear vrrp statistics
clear-classic-config
cli interactive syntax check
cli whitespace completion
client authentication list
client single-sa-per-inft
clock read-calendar
clock set
clock source (SONET)
clock source (T1/E1)
clock source (T3/E3)
clock summer-time
clock timezone
clock update-calendar
collect-bw-only (MPLS-TE)
collect-diagnostics (RCMD)
commit
community is-empty
community matches-any
community matches-every
community-set
compress header ip
config-register
configuration commit auto-save
configuration url
configuration version
configure
conform-action
connect-source
connection timeout
contact-email-addr
context-correlation
continuity-check archi
continuity-check interval
continuity-check loss auto-traceroute
contract-id
control disable

control-plane
 controller (SONET)
 controller MgmtMultilink
 controller SYSCLOCK
 controller e1
 controller e3
 controller t1
 controller t3
 copy
 copy access-list ipv4
 copy access-list ipv6
 copy prefix-list ipv4
 copy prefix-list ipv6
 cos (CFM)
 cost (OSPF)
 cost (OSPFv3)
 cost-fallback (OSPF)
 crc (POS)
 crc (serial)
 crl optional (trustpoint)
 crypto ca authenticate
 crypto ca cancel-enroll
 crypto ca enroll
 crypto ca import
 crypto ca trustpoint
 crypto ipsec df-bit (global)
 crypto ipsec df-bit (interface)
 crypto ipsec nat-transparency disable
 crypto ipsec pmtu
 crypto ipsec pre-fragmentation disable
 crypto ipsec profile
 crypto ipsec security-association idle-time
 crypto ipsec security-association lifetime
 crypto ipsec security-association replay disable
 crypto ipsec security-association replay window-size
 crypto ipsec server send-update
 crypto ipsec transform-set
 crypto ipsec transport
 crypto isakmp

crypto isakmp call admission limit
 crypto isakmp client configuration group
 crypto isakmp identity
 crypto isakmp keepalive
 crypto isakmp peer
 crypto isakmp policy
 crypto isakmp policy-set
 crypto key generate dsa
 crypto key generate rsa
 crypto key import authentication rsa
 crypto key zeroize
 crypto key zeroize dsa
 crypto keyring
 crypto logging
 crypto mib ipsec flowmib history failure size
 cryptographic-algorithm
 csnp-interval
 customer-id

D

dampening
 dampening (BFD)
 dampening (BFD)
 database
 database-filter all out (OSPF)
 database-filter all out (OSPFv3)
 databits
 datasize request
 dead-interval (OSPF)
 dead-interval (OSPFv3)
 deadtime (server-group configuration)
 debug ethernet cfm packets
 debug ethernet cfm protocol-state
 default-cost (OSPF)
 default-cost (OSPFv3)
 default-informatio
 default-information
 default-information originate (IS-IS)

default-information originate (OSPF)
 default-information originate (OSPFv3)
 default-information originate (RIP)
 default-metric (BGP)
 default-metric (EIGRP)
 default-metric (OSPF)
 default-metric (OSPFv3)
 default-metric (RIP)
 default-originate
 default-peer
 default-route
 delay (VRRP)
 delay clear
 delay clear (T1/E1)
 delay clear (T3/E3)
 delay trigger
 delay trigger (T1/E1)
 delay trigger (T3/E3)
 delete
 delete community
 delete extcommunity rt
 demand-circuit (OSPF)
 demand-circuit (OSPFv3)
 deny (IPv4)
 deny (IPv6)
 deny (prefix-list)
 description (AAA)
 description (BGP)
 description (GLOBAL)
 description (IKE policy)
 description (IPHC profile)
 description (IPSec profile)
 description (ISAKMP peer)
 description (ISAKMP policy-set)
 description (T1/E1)
 description (T3/E3)
 description (XCONNECT)
 description (interface)
 description (keyring)
 description (peer)
 description (trustpoint)
 destination
 destination (DHCP IPv6)
 destination (MPLS-TE)
 destination address
 destination address (IP SLA)
 destination in
 destination message-size-limit
 destination port
 destination preferred-msg-format
 destination transport-method
 device
 dhcp ipv4
 dhcp ipv6
 diagnostic load
 diagnostic monitor
 diagnostic monitor interval
 diagnostic monitor syslog
 diagnostic monitor threshold
 diagnostic ondemand action-on-failure
 diagnostic ondemand iterations
 diagnostic schedule
 diagnostic start
 diagnostic stop
 diagnostic unload
 digest (L2TP)
 dir
 direction (GMPLS)
 disable (IS-IS)
 disable (P2MP TE)
 disable (ex
 disable (multicast)
 disable-dn-bit-check
 disconnect
 disconnect-character
 discovery hello
 discovery instance-tlv disable
 discovery targeted-hello

discovery transport-address
 distance
 distance (EIGRP)
 distance (IS-IS)
 distance (OSPF)
 distance (RIP)
 distance bgp
 distance ospf
 distance ospfv3
 distribute-list
 distribute-list prefix-list in
 distribute-list prefix-list out
 distribution count
 distribution interval
 dns
 dns-server
 do
 domain
 domain (isakmp-group)
 domain ipv4 host
 domain ipv6 host
 domain list
 domain lookup disable
 domain name (global)
 domain name-server
 domain-id (OSPF)
 domain-id (OSPFv3)
 domain-name (DHCP IPv6 pool)
 domain-tag
 done
 dot1q native vlan
 dot1q vlan
 down-when-looped
 down-when-looped (T1/E1)
 down-when-looped (T3/E3)
 downstream-on-demand
 dr-priority
 drop
 ds-te bc-model

ds-te mode
 ds-te te-classes
 dsc serial
 dscp
 dscp (BGP)
 dsu bandwidth
 dsu mode
 dsu remote
 duid
 dumpcore
 duplex (Management Ethernet)
 duplex full (Fast Ethernet)
 duplex half (Fast Ethernet)

E

ebgp-multihop
 echo disable
 echo disable
 echo disable-vendor-extension
 echo ipv4 source
 echo ipv4 source
 echo latency detect
 echo latency detect
 echo revision
 echo startup validate
 echo startup validate
 edit
 efd
 embedded-rp
 enable (bulkstat)
 enable (multicast)
 encap (PVC)
 encapsulation (ATM)
 encapsulation (POS)
 encapsulation (serial)
 encapsulation frame-relay
 encapsulation ppp
 encryption

encryption (IKE policy)
 end
 end-class-map
 end-global
 end-policy
 end-policy-map
 end-set
 end-template
 enforce-first-as
 enforce-first-as-disable
 enrollment retry count
 enrollment retry period
 enrollment terminal
 enrollment url
 env disable
 erase nvram-raw:
 erase nvram:
 escape-character
 ethernet cfm (global)
 ethernet cfm (interface)
 ethernet oam
 ethernet oam profile
 ethernet sla
 ethernet sla on-demand operation type
 cfm-delay-measurement probe
 ethernet sla on-demand operation type cfm-loopback probe
 event manager directory user
 event manager environment
 event manager policy
 event manager refresh-time
 event manager run
 event manager scheduler suspend
 event-buffer-size (RCMD)
 exceed-action
 exception filepath
 exception pakmem
 exception sparse
 exception sprsize
 exclude srlg (auto-tunnel backup)

exec-timeout
 exit
 exp
 explicit-null
 explicit-path
 explicit-tracking
 export route-policy
 export route-target
 exporter
 extcommunity rt is-empty
 extcommunity rt matches-any
 extcommunity rt matches-every
 extcommunity soo is-empty
 extcommunity soo matches-any
 extcommunity soo matches-every
 extcommunity-set cost
 extcommunity-set rt
 extcommunity-set soo

F

f4oam disable
 facility-alarm contacts
 fast-reroute
 fast-reroute (OSPFv2)
 fast-reroute per-link (IS-IS)
 fast-reroute per-link exclude interface
 fast-reroute per-link priority-limit (IS-IS)
 fast-reroute per-link use-candidate-only (IS-IS)
 fast-reroute per-prefix (IS-IS)
 fast-reroute per-prefix exclude interface (OSPFv2)
 fast-reroute per-prefix lfa-candidate (OSPFv2)
 fast-reroute per-prefix load-sharing disable (IS-IS)
 fast-reroute per-prefix tiebreaker (IS-IS)
 fast-reroute per-prefix use-candidate-only (IS-IS)
 fast-reroute per-prefix use-candidate-only (OSPFv2)
 fast-reroute protect
 fast-reroute timers promotion
 fdl

feedback disable
 file-size
 filter
 firewall are-u-there
 flood-reduction (OSPF)
 flood-reduction (OSPFv3)
 flooding disable
 flooding thresholds
 flooding unknown-unicast disable (VPLS)
 flooding-igp (GMPLS)
 flow
 flow (LPTS)
 flow exporter-map
 flow monitor-map
 flow-control
 flowcontrol hardware
 follow
 force
 force explicit-null
 format
 format (bulkstat)
 forward-protocol udp
 forwarding-adjacency
 forwarding-latency
 fpd auto-upgrade
 fragment end-to-end
 fragment-counter
 frame
 frame window
 frame-period threshold
 frame-period window
 frame-relay intf-type
 frame-relay lmi disable
 frame-relay lmi-n391dte
 frame-relay lmi-n392dce
 frame-relay lmi-n392dte
 frame-relay lmi-n393dce
 frame-relay lmi-n393dte
 frame-relay lmi-t391dte

frame-relay lmi-t392dce
 frame-relay lmi-type
 frame-relay multilink ack
 frame-relay multilink bandwidth-class
 frame-relay multilink bid
 frame-relay multilink hello
 frame-relay multilink lid
 frame-relay multilink retry
 frame-seconds threshold
 frame-seconds window
 framing (E1)
 framing (E3)
 framing (SONET)
 framing (T1)
 framing (T3)
 frequency (IP SLA)
 frequency (logging)
 fsock
 ftp client anonymous-password
 ftp client passive
 ftp client password
 ftp client source-interface
 ftp client username

G

giaddr policy
 global maximum
 graceful-restart (MPLS LDP)
 graceful-restart (OSPFv3)
 group (AAA)
 group (IKE policy)
 group-lock

H

hash (IKE policy)
 hello-interval

hello-interval (EIGRP)
 hello-interval (IS-IS)
 hello-interval (L2TP)
 hello-interval (OSPF)
 hello-interval (OSPFv3)
 hello-interval (PIM)
 hello-multiplier
 hello-padding
 hello-password
 hello-password accept
 hello-password keychain
 helper-address
 hidden (L2TP)
 history
 hold-time (EIGRP)
 holdtime (MPLS LDP)
 hostname
 hostname (L2TP)
 hostname dynamic disable
 hsrp authentication
 hsrp bfd fast-detect
 hsrp bfd minimum-interval
 hsrp bfd multiplier
 hsrp delay
 hsrp ipv4
 hsrp mac-address
 hsrp preempt
 hsrp priority
 hsrp redirects
 hsrp timers
 hsrp track
 hsrp use-bia
 http server
 hw-module linecard throughput
 hw-module location
 hw-module logging onboard
 hw-module mrq-polling
 hw-module power disable
 hw-module profile feature
 hw-module qos acc-l2-with-additional
 hw-module qos account layer2 encapsulation
 hw-module qos acl-deny enable
 hw-module qos if-ref-bw
 hw-module qos multicast
 hw-module qos multicast priorityq disable
 hw-module qos pol-gran location
 hw-module qos queue-auto-defrag disable location
 hw-module queue-defrag location
 hw-module reset auto disable
 hw-module sanity
 hw-module service maintenance-mode location
 hw-module service offline location
 hw-module shutdown
 hw-module subslot cardtype
 hw-module subslot reload
 hw-module subslot shutdown

ibgp policy out enforce-modifications
 icmp ipv4 rate-limit unreachable
 icmp source
 if
 ignore lsa mospf
 ignore-connected-check
 ignore-lsp-errors
 igp auto-config disable
 igp sync delay
 igp sync delay on-proc-restart
 import route-policy
 import route-target
 inband
 include-local-lan
 index exclude-address
 index exclude-srlg
 index next-address
 index persistence
 inherit taskgroup

inherit usergroup
install abort
install activate
install add
install attach
install auto-abort-timer stop
install boot-options
install commit
install deactiv
install label
install remove
install rollback to
install verify healthcheck
install verify packages
instance (OSPFv3)
instance (bulkstat schema)
instance range
instance repetition
interface (BFD)
interface (BFD)
interface (DHCP)
interface (EIGRP)
interface (Ethernet)
interface (HSRP)
interface (IS-IS)
interface (MPLS LDP)
interface (MPLS-TE)
interface (MPP)
interface (NTP)
interface (OSPF)
interface (OSPFv3)
interface (PIM)
interface (RIP)
interface (SRLG)
interface (VLAN)
interface (VPLS)
interface (VRRP)
interface (bundle)
interface (global)
interface (multicast)
interface (p2p)
interface (relay profile)
interface MgmtEth
interface all disable
interface all enable
interface atm
interface multilink
interface null 0
interface pos
interface serial
interface service-gre
interface service-ipsec
interface tunnel-gte
interface tunnel-ipsec
interface tunnel-te
interface-inheritance disable
interval
interworking ethernet
interworking ipv4
invert
ip-address (trustpoint)
ipcc interface (MPLS-TE)
ipcc routed (MPLS-TE)
iphc non-tcp connections
iphc profile
iphc tcp connections
ipsla
ipv4 access-group
ipv4 access-list
ipv4 access-list log-update rate
ipv4 access-list log-update threshold
ipv4 address (network)
ipv4 assembler max-packets
ipv4 assembler timeout
ipv4 bgp policy accounting
ipv4 bgp policy propagation
ipv4 conflict-policy
ipv4 directed-broadcast

- ipv4 disable
- ipv4 helper-address
- ipv4 iphc profile
- ipv4 mask-reply
- ipv4 mtu
- ipv4 prefix-list
- ipv4 redirects
- ipv4 source-route
- ipv4 unnumbered (MPLS)
- ipv4 unnumbered (point-to-point)
- ipv4 unreachable disable
- ipv4 verify unicast source reachable-via
- ipv4 virtual address
- ipv6 access-group
- ipv6 access-list
- ipv6 access-list log-update rate
- ipv6 access-list log-update threshold
- ipv6 access-list maximum ace threshold
- ipv6 access-list maximum acl threshold
- ipv6 address
- ipv6 address link-local
- ipv6 assembler
- ipv6 bgp policy accounting
- ipv6 conflict-policy
- ipv6 enable
- ipv6 enable (XML)
- ipv6 hop-limit
- ipv6 icmp error-interval
- ipv6 mtu
- ipv6 nd dad attempts
- ipv6 nd managed-config-flag
- ipv6 nd ns-interval
- ipv6 nd other-config-flag
- ipv6 nd prefix
- ipv6 nd ra-interval
- ipv6 nd ra-lifetime
- ipv6 nd reachable-time
- ipv6 nd redirects
- ipv6 nd scavenge-timeout

- ipv6 nd suppress-ra
- ipv6 neighbor
- ipv6 prefix-list
- ipv6 source-route
- ipv6 unreachable disable
- is-type
- isakmp authorization list
- ispf
- iteration

J

- join-group
- join-prune-interval

K

- keepalive (ISAKMP profile)
- keepalive (POS)
- keepalive (serial)
- key (IKE)
- key (RADIUS)
- key (TACACS+)
- key (key chain)
- key chain (key chain)
- key-chain
- key-source key-chain (RSVP)
- key-string (IKE)
- key-string (keychain)
- keychain
- keychain inheritance-disable
- keychain-disable
- keyring

L

- l2tp-class
- l2tp-class configuration

l2transport
l2transport (ATM)
l2transport cell-packing
l2transport l2protocol
l2transport propagate
l2transport service-policy
l2vpn
l2vpn switchover
label accept
label advertise
label allocate
label-allocation-mode
lacp packet-capture
lacp period short
lacp system priority
lawful-intercept disable
lcc
lcc
learning disable (VPLS)
length
license
license add
license backup
license move
license move slot
license pool create
license pool remove
license remove
license restore
license save credential
life
life-time (RSVP)
lifetime (IKE policy)
limit (VPLS)
line
line delay clear
line delay trig
linecode
link-management timers bandwidth-hold
link-management timers periodic-flooding
link-management timers preemption-delay
link-monitor
lives
lmp hello (GMPLS)
lmp neighbor (MPLS-TE)
lmp router-id (MPLS-TE)
load
load commit changes
load configuration failed
load configuration removed
load rollback changes
load-interval
local pool
local-address (keyring)
local-as
local-preference
locale country
locale language
location (SDR)
lockout
log
log adjacency changes (IS-IS)
log adjacency changes (OSPF)
log adjacency changes (OSPFv3)
log ais
log continuity-check errors
log continuity-check mep changes
log crosscheck errors
log efd
log graceful-restart
log neighbor
log nsr
log pdu drops
log session-protection
log-neighbor-changes
log-neighbor-warnings
log-traps
logging

[logging archive](#)
[logging console](#)
[logging correlator apply rule](#)
[logging correlator apply ruleset](#)
[logging correlator buffer-size](#)
[logging correlator rule](#)
[logging correlator ruleset](#)
[logging disable](#)
[logging events buffer-size](#)
[logging events display-location](#)
[logging events level](#)
[logging events link-status](#)
[logging events link-status \(interface\)](#)
[logging events threshold](#)
[logging facility](#)
[logging history](#)
[logging history size](#)
[logging hostnameprefix](#)
[logging localfilesize](#)
[logging monitor](#)
[logging source-interface](#)
[logging source-interface vrf](#)
[logging suppress apply rule](#)
[logging suppress deprecated](#)
[logging suppress duplicates](#)
[logging suppress rule](#)
[logging trap](#)
[login authentication](#)
[loopback \(Ethernet\)](#)
[loopback \(SONET\)](#)
[loopback \(T1/E1\)](#)
[loopback \(T3/E3\)](#)
[loopback stub-network](#)
[low-memory](#)
[lpts pifib hardware police](#)
[lsp fast-flood threshold](#)
[lsp selector ipv4](#)
[lsp-gen-interval](#)
[lsp-interval](#)

[lsp-mtu](#)
[lsp-password](#)
[lsp-password accept](#)
[lsp-refresh-interval](#)
[lsr-path](#)

M

[mac \(VPLS\)](#)
[mac-accounting](#)
[mac-address \(Ethernet\)](#)
[mac-address \(Management Ethernet\)](#)
[mac-address \(hsrp\)](#)
[mail-server](#)
[man](#)
[management-plane](#)
[manual](#)
[master](#)
[match \(GMPLS\)](#)
[match access-group](#)
[match atm](#)
[match cos](#)
[match dscp](#)
[match fr-de](#)
[match frame-relay dlci](#)
[match identity \(ISAKMP policy-set\)](#)
[match identity \(ISAKMP profile\)](#)
[match mpls experimental topmost](#)
[match precedence](#)
[match qos-group](#)
[match transform-set](#)
[match vlan](#)
[max-associations](#)
[max-events-stored \(RCMD\)](#)
[max-header](#)
[max-logins](#)
[max-lsa](#)
[max-lsp-lifetime](#)
[max-metric](#)

max-users
maxabs (MPLS-TE)
maximum (VPLS)
maximum autorp mapping-agent-cache
maximum disable
maximum external-sa
maximum group-mappings autorp
maximum groups
maximum groups-per-interface
maximum hops
maximum interfaces (MPLS LDP)
maximum interfaces (OSPF)
maximum interfaces (OSPFv3)
maximum path (static)
maximum paths (IP SLA)
maximum paths (OSPF)
maximum paths (OSPFv3)
maximum peer-external-sa
maximum prefix (RIB)
maximum redistributed-prefixes (OSPF)
maximum redistributed-prefixes (OSPFv3)
maximum register-states
maximum route-interfaces
maximum routes
maximum-meps
maximum-paths (BGP)
maximum-paths (EIGRP)
maximum-paths (IS-IS)
maximum-paths (RIP)
maximum-prefix (BGP)
maximum-prefix (EIGRP)
maximum-redistributed-prefixes (IS-IS)
mdl
mdt data
mdt default
mdt mtu
mdt source
med
mep crosscheck
mep domain
mep-id
mesh-group (IS-IS)
mesh-group (peer)
message state disable
message-digest-key
metric (EIGRP)
metric (IS-IS)
metric maximum-hops
metric weights
metric-style narrow
metric-style transition
metric-style wide
metric-zero-accept
mhost default-interface
mib-retrieval
min-lsp-arrivaltime
mip auto-create
mirror
mirror pause
mirror resume
mirror verify
mkdir
mode
mode (Ethernet OAM)
mode (SONET)
mofrr
monitor
monitor controller fabric
monitor controller sonet
monitor interface
monitor processes
monitor threads
monitor-convergence (IS-IS)
monitor-convergence (OSPF)
monitoring
monitoring-interval (RCMD)
more
mpls activate (BGP)

- mpls discovery vpn
- mpls ip-ttl-propagate
- mpls label range
- mpls ldp
- mpls ldp auto-config
- mpls ldp auto-config (OSPF)
- mpls ldp sync (IS-IS)
- mpls ldp sync (OSPF)
- mpls ldp sync-igp-shortcuts
- mpls lsp-monitor
- mpls mtu
- mpls oam
- mpls static label (L2VPN)
- mpls static label (VPLS)
- mpls traffic-eng
- mpls traffic-eng (IS-IS)
- mpls traffic-eng (OSPF)
- mpls traffic-eng auto-bw apply (MPLS-TE)
- mpls traffic-eng fast-reroute promote
- mpls traffic-eng igp-intact (OSPF)
- mpls traffic-eng lev
- mpls traffic-eng link-management flood
- mpls traffic-eng multicast-intact (IS-IS)
- mpls traffic-eng multicast-intact (OSPF)
- mpls traffic-eng path-protection switchover gmpls
- mpls traffic-eng path-selection ignore overload
- mpls traffic-eng pce activate-pcep
- mpls traffic-eng pce reoptimize
- mpls traffic-eng reoptimize (EXEC)
- mpls traffic-eng repotimize mesh group
- mpls traffic-eng router-id (IS-IS)
- mpls traffic-eng router-id (MPLS-TE router)
- mpls traffic-eng router-id (OSPF)
- mpls traffic-eng srlg (IS-IS)
- mrinfo
- mtrace
- mtu
- mtu (VPLS)
- mtu-ignore (OSPF)

- mtu-ignore (OSPFv3)
- multi-area-interface
- multicast client
- multicast destination
- multicast-routing
- multihop ttl-drop-threshold
- multihop ttl-drop-threshold
- multilink
- multilink fragment-size
- multilink group
- multilink interleave
- multipath
- mvpn

N

- national bits (E1)
- national bits (E3)
- negotiation auto
- neighbor (BGP)
- neighbor (EIGRP)
- neighbor (L2VPN)
- neighbor (OSPF)
- neighbor (OSPFv3)
- neighbor (RIP)
- neighbor (VPLS)
- neighbor database-filter all out
- neighbor maximum-prefix
- neighbor password
- neighbor password disable
- neighbor targeted
- neighbor-check-on-recv enable
- neighbor-check-on-send enable
- neighbor-filter
- neighbor-group
- net
- netmask
- network (BGP)
- network (OSPF)

network (OSPFv3)
network backdoor
next-hop in
next-hop-self
next-hop-self
next-hop-self disable
next-hop-unchanged
nexthop resolution prefix-length minimum
nexthop route-policy
nexthop trigger-delay
nhop-only (auto-tunnel backup)
node disable (RCMD)
non-tcp compression
non-tcp context absolute
nonrootcause
notification (VPLS)
notification linkupdown
nsf (IS-IS)
nsf (OSPF)
nsf (RIP)
nsf (multicast)
nsf disable (EIGRP)
nsf flush-delay-time (OSPF)
nsf interface-expires
nsf interface-timer
nsf interval (OSPF)
nsf lifetime (IS-IS)
nsf lifetime (OSPF)
nsf lifetime (PIM)
nsr (BGP)
nsr (MPLS-LDP)
nsr (OSPF)
nsr (OSPFv3)
nsr process-failures switchover
nssa (OSPF)
nssa (OSPFv3)
ntp
ntp clear
ntp reset drift

O

oam ais-rdi
oam retry
oam-pvc manage
object-list
old-register-checksum
oom-handling
operation
options
orf
orf prefix in
origin is
originator-id
ospf name-lookup
ospfv3 name-lookup
out-of-band
output interface
output nexthop
output-delay
overflow threshold (MPLS-TE)
overhead (SONET path)
overhead (SONET)

P

p2p
packet count
packet interval
packet size
packet-gap non-standard
packet-size (OSPF)
packet-size (OSPFv3)
parity
pass
passive (GMPLS)
passive (IS-IS)
passive (OSPF)
passive (OSPFv3)

passive-interface (EIGRP)
 passive-interface (RIP)
 password (AAA)
 password (BGP)
 password (L2TP)
 password (peer)
 password (rpki-server)
 password-disable
 path (SONET)
 path delay clear
 path delay trigger
 path discover
 path discover echo
 path discover path
 path discover scan
 path discover session
 path-option (MPLS-TE)
 path-option (P2MP TE)
 path-selection ignore overload (MPLS-TE)
 path-selection loose-expansion affinity (MPLS-TE)
 path-selection loose-expansion metric (MPLS-TE)
 path-selection metric (MPLS-TE)
 path-selection metric (interface)
 path-type is
 pce address (MPLS-TE)
 pce deadtimer (MPLS-TE)
 pce keepalive (MPLS-TE)
 pce peer (MPLS-TE)
 pce reoptimize (MPLS-TE)
 pce request-timeout (MPLS-TE)
 pce tolerance keepalive (MPLS-TE)
 pd (prefix-delegation - DHCP IPv6 interface)
 pd (prefix-delegation - DHCP IPv6 pool)
 peer (MSDP)
 peer (NTP)
 performance-mgmt apply monitor
 performance-mgmt apply statistics
 performance-mgmt apply thresholds
 performance-mgmt regular-expre
 performance-mgmt resources dump local
 performance-mgmt resources memory
 performance-mgmt resources tftp-server
 performance-mgmt statistics
 performance-mgmt thresholds
 permit (IPv4)
 permit (IPv6)
 permit (prefix-list)
 pfs
 phone-number
 ping (administration EXEC)
 ping (network)
 ping atm interface atm
 ping bulk (network)
 ping ethernet cfm
 ping mpls ipv4
 ping mpls mldp (MP2MP)
 ping mpls mldp (P2MP)
 ping mpls traffic-eng
 ping mpls traffic-eng tunnel-te (P2P)
 ping pseudowire (AToM)
 placement memory
 placement program
 placement reoptimize
 point-to-point
 poison-reverse
 police rate
 policy (ISAKMP policy-set)
 policy-class
 policy-global
 policy-map
 poll-interval
 pool (DHCP IPv6)
 pool (isakmp-group)
 port-down flush disable
 pos
 ppp authentication
 ppp chap password
 ppp chap refuse

[ppp max-bad-auth](#)
[ppp max-configure](#)
[ppp max-failure](#)
[ppp max-terminate](#)
[ppp ms-chap password](#)
[ppp ms-chap refuse](#)
[ppp multilink minimum-active links](#)
[ppp pap refuse](#)
[ppp pap sent-username password](#)
[ppp timeout authentication](#)
[ppp timeout retry](#)
[pre-shared-key](#)
[precedence](#)
[preempt \(hsrp\)](#)
[preference](#)
[preference \(rpki-server\)](#)
[prefix-set](#)
[prepend as-path](#)
[priority \(IS-IS\)](#)
[priority \(MPLS-TE\)](#)
[priority \(OSPF\)](#)
[priority \(OSPFv3\)](#)
[priority \(QoS\)](#)
[priority \(RCMD\)](#)
[priority \(SLA\)](#)
[priority \(hsrp\)](#)
[probe](#)
[process](#)
[process core](#)
[process mandatory](#)
[profile](#)
[profile \(EOAM\)](#)
[profile \(SLA\)](#)
[profile \(call home\)](#)
[profile relay](#)
[propagate level](#)
[protocol](#)
[protocol \(RCMD\)](#)
[protocol shutdown](#)

[proxy](#)
[proxy-arp](#)
[purge-time \(rpki-server\)](#)
[pvc \(ATM\)](#)
[pvc \(frame relay\)](#)
[pvc \(serial\)](#)
[pvp \(ATM\)](#)
[pw-class](#)
[pw-class \(L2VPN\)](#)
[pw-class encapsulation l2tpv3](#)
[pw-class encapsulation mpls](#)
[pw-ether](#)
[pw-iw](#)
[pw-status \(L2VPN\)](#)
[pwd](#)
[pwd \(config\)](#)

Q

[query url](#)
[query-interval](#)
[query-max-response-time](#)
[query-timeout](#)
[queue dispatch flush-lsa](#)
[queue dispatch incoming](#)
[queue dispatch rate-limited-lsa](#)
[queue dispatch spf-lsa-limit](#)
[queue limit](#)
[queue-limit](#)

R

[radius source-interface](#)
[radius-server dead-criteria time](#)
[radius-server dead-criteria tries](#)
[radius-server deadtime](#)
[radius-server host](#)
[radius-server key](#)

radius-server retransmit
radius-server timeout
random 1 out-of
random-detect
random-detect discard-class
random-detect dscp
random-detect exp
random-detect precedence
range (OSPF)
range (OSPFv3)
rapid-commit
rate-limit
rate-per-route
rcc
rcp client source-interface
rcp client username
rd
rd in
rd-set
react
react lpd
reaction monitor
reaction operation
reaction trigger
receive version
receive-buffer-size
receive-window (L2TP)
record ipv4
record ipv6
record mpls
record-route
recurring
recursion-depth-max
recursive-fec
redistribute (BGP)
redistribute (EIGRP)
redistribute (IS-IS)
redistribute (MPLS LDP)
redistribute (OS
redistribute (OSPF)
redistribute (RIP)
redistribute maximum-prefix
redundancy switchover
refresh max-period
refresh rtp
refresh-time (rpki-server)
reissue-nonbistate
relay information check
relay information option
relay information option allow-untrusted
relay information policy
reload
reload (administration EXEC)
remark (IPv4)
remark (IPv6)
remark (prefix-list)
remote (GMPLS)
remote-as (BGP)
remote-as (multicast)
remove-private-as
reoptimize (MPLS-TE)
reoptimize timers delay (MPLS-TE)
reparent
replace as-path
reply dscp
reply mode
report (SONET path)
report (SONET)
require-remote
resequence access-list ipv4
resequence access-list ipv6
resequence prefix-list ipv4
resequence prefix-list ipv6
responder
response-time (rpki-server)
resume
retain
retain local-label

retain route-target
 retain route-target all
 retransmit (L2TP)
 retransmit (RADIUS)
 retransmit-interval (IS-IS)
 retransmit-interval (OSPF)
 retransmit-interval (OSPFv3)
 retransmit-throttle-interval
 retry
 reverse-route
 revert
 rib-has-route
 rmdir
 robustness-count
 rollback configuration
 rollover (L3VPN)
 root
 rootcause
 route (static)
 route-has-label
 route-policy
 route-policy (BGP)
 route-policy (EIGRP)
 route-policy (OSPF)
 route-policy (RIP)
 route-policy (RPL)
 route-reflector-client
 route-type is
 router
 router bgp
 router eigrp
 router hsrp
 router igmp
 router isis
 router mld
 router ospf
 router ospfv3
 router pim
 router rib

router rip
 router static
 router vrrp
 router-convergence
 router-id (EIGRP)
 router-id (MPLS LDP)
 router-id (OSPF)
 router-id (OSPFv3)
 router-id secondary (MPLS-TE)
 rp mgmtethernet forwarding
 rp-address
 rp-static-deny
 rpf topology route-policy
 rpf-vector
 rpki server
 rpl editor
 rpl maximum
 rsa-pubkey
 rsakeypair
 rsvp interface
 rsvp neighbor
 rtp
 rump always-replicate

S

sa-filter
 sam add certificate
 sam delete certificate
 sam prompt-interval
 sam verify
 sampler-map
 sap cache-timeout
 sap listen
 save configuration
 save configuration changes
 save configuration commit changes
 save configuration failed
 save configuration merge

save configuration removed
save rollback changes
save-password
scan delete-factor
scan interval
schedule (SLA)
schedule monitor
schedule operation
schedule period
schema
scramble
scrambling disable (SONET path)
sdr
secret
security ttl (OSPF)
selective-vrf-download disable
self-identity
send
send (SLA)
send version
send-buffer-size
send-community-ebgp
send-extended-community-ebgp
send-lifetime
sender
sequencing (L2VPN)
serial
serial-number (trustpoint)
server (NTP)
server (RADIUS)
server (TACACS+)
server-private (RADIUS)
server-private (TACACS+)
service
service active
service tcp-small-servers
service timestamps
service udp-small-servers
service-location
service-location (IPSec)
service-policy (interface)
service-policy (policy map class)
session name
session protection
session timeout
session-group
session-limit
session-open-mode
session-timeout
set atm-clp
set community
set core-tree
set cos
set dampening
set default-afi
set default-safi
set default-vrf
set discard-class
set dscp
set eigrp-metric
set extcommunity cost
set extcommunity rt
set fr-de
set interface service-gre
set interface service-ipsec
set interface tunnel-ipsec
set ip-precedence
set ipsec-profile
set isis-metric
set label
set level
set local-preference
set med
set metric-type (IS-IS)
set metric-type (OSPF)
set mpls experimental
set next-ho
set origin

set ospf-metric
set path-selection
set pfs
set precedence
set qos-group
set qos-group (RPL)
set rib-metric
set rip-metric
set rip-tag
set rpf-topology
set security-association idle-time
set security-association lifetime
set security-association replay disable
set session-key inbound ah
set session-key inbound esp
set session-key outbound ah
set session-key outbound esp
set spf-priority
set tag
set traffic-index
set transform-set
set type
set vpn-distinguisher
set weight
set-attached-bit
set-overload-bit
severity
sftp
sftp (Interactive Mode)
sftp-password (trustpoint)
sftp-username (trustpoint)
sham-link
shape
shape average
show
show aaa
show access-lists afi-all
show access-lists ipv4
show access-lists ipv4 standby
show access-lists ipv6
show access-lists ipv6 standby
show adjacency
show aliases
show aps
show aps agents
show aps group
show arm conflicts
show arm database
show arm registrations producers
show arm router-ids
show arm summary
show arm vrf-summary
show arp
show arp trace
show arp traffic
show atm cell-packing
show atm class-link
show atm ilmi-status
show atm interface atm
show atm pvc
show atm pvp
show atm vc-class
show atm vp-tunnel
show auto-rp candidate-rp
show auto-rp mapping-agent
show bcdl
show bcdl consumers
show bcdl queues
show bcdl statistics
show bcdl tables
show bcdl trace
show bfd
show bfd
show bfd client
show bfd client
show bfd counters
show bfd counters
show bfd mib session

show bfd mib session
show bfd multipath
show bfd multipath
show bfd session
show bfd session
show bfd summary
show bfd summary
show bgp
show bgp advertised
show bgp af-group
show bgp attribute-key
show bgp cidr-only
show bgp community
show bgp convergence
show bgp dampened-paths
show bgp flap-statistics
show bgp inconsistent-as
show bgp labels
show bgp neighbor-group
show bgp neighbors
show bgp neighbors nsr
show bgp nexthops
show bgp nsr
show bgp paths
show bgp policy
show bgp process
show bgp regexp
show bgp route-policy
show bgp session-group
show bgp sessions
show bgp summary
show bgp summary nsr
show bgp table
show bgp truncated-communities
show bgp update-group
show bgp vrf imported-routes
show bundle
show bundle brief
show bundle replication bundle-ether
show calendar
show call-home
show call-home alert-group
show call-home mail-server status
show call-home profile
show call-home statistics
show call-home trace
show captured packets
show cdp
show cdp entry
show cdp interface
show cdp neighbors
show cdp traffic
show cef
show cef bgp-attribute
show cef external
show cef ipv4
show cef ipv4 adjacency
show cef ipv4 adjacency hardware
show cef ipv4 drops
show cef ipv4 exact-route
show cef ipv4 exceptions
show cef ipv4 hardware
show cef ipv4 interface
show cef ipv4 interface bgp-policy-statistics
show cef ipv4 non-recursive
show cef ipv4 resource
show cef ipv4 summary
show cef ipv4 unresolved
show cef ipv6
show cef ipv6 adjacency
show cef ipv6 adjacency hardware
show cef ipv6 drops
show cef ipv6 exact-route
show cef ipv6 exceptions
show cef ipv6 hardware
show cef ipv6 interface
show cef ipv6 interface bgp-policy-statistics
show cef ipv6 interface rpf-statistics

show cef ipv6 non-recursive
show cef ipv6 resource
show cef ipv6 summary
show cef ipv6 unresolved
show cef mpls adjacency
show cef mpls adjacency hardware
show cef mpls interface
show cef mpls unresolved
show cef recursive-nexthop
show cef summary
show cef vrf
show cfgmgr trace
show cinetd services
show clns statistics
show clock
show clock sync
show configuration (config)
show configuration changes
show configuration commit
show configuration commit list
show configuration failed (config)
show configuration failed incompatible
show configuration failed remove
show configuration failed rollback
show configuration failed startup
show configuration history
show configuration inconsistency replica
show configuration persistent
show configuration removed
show configuration rollback changes
show configuration running
show configuration running-config
show configuration sessions
show context
show controllers (Ethernet)
show controllers atm
show controllers e1
show controllers e3
show controllers egressq enaq location
show controllers fabric
show controllers fabricq drop
show controllers fabricq errors
show controllers fabricq frfab
show controllers fabricq output
show controllers fabricq queue
show controllers fabricq regi
show controllers fabricq tofab
show controllers mgmtmultilink
show controllers null interface
show controllers plim asic SPAQFPBridgeCtrl
show controllers plim asic egress-channel bay
show controllers plim asic ingress-channel bay
show controllers plim asic spa bay
show controllers plim asic statistics
show controllers plim asic summary
show controllers pos
show controllers pse
show controllers pse mem
show controllers pse qfp statistics
show controllers pse qfp system state
show controllers pse statistics
show controllers pse uidb
show controllers sanity
show controllers sonet
show controllers t1
show controllers t3
show critmon context
show critmon deadline
show critmon statistics
show critmon trace all
show critmon trace error
show critmon trace info
show critmon trace lib-error
show critmon trace lib-info
show crypto ca certificates
show crypto ca crls
show crypto engine statistics
show crypto ipsec interface

show crypto ipsec profile
show crypto ipsec sa
show crypto ipsec statistics
show crypto ipsec summary
show crypto ipsec transform-set
show crypto isakmp call admission statistics
show crypto isakmp errors
show crypto isakmp key
show crypto isakmp peers
show crypto isakmp policy
show crypto isakmp profile
show crypto isakmp sa
show crypto isakmp stats
show crypto key mypubkey dsa
show crypto key mypubkey rsa
show crypto key pubkey-chain rsa
show crypto session
show default-afi-safi-vrf
show dhcp ipv4 relay profile
show dhcp ipv4 relay profile name
show dhcp ipv4 relay statistics
show dhcp ipv6
show dhcp ipv6 binding
show dhcp ipv6 database
show dhcp ipv6 interface
show dhcp ipv6 pool
show diag
show diagnostic bootup level
show diagnostic content
show diagnostic ondemand settings
show diagnostic result
show diagnostic schedule
show diagnostic status
show dll
show dsc
show efd interface
show eigrp accounting
show eigrp interfaces
show eigrp neighbors
show eigrp topology
show eigrp traffic
show environment
show epm trace boot
show ethernet cfm ccm-learning-database
show ethernet cfm configuration-errors
show ethernet cfm interfaces ais
show ethernet cfm interfaces statistics
show ethernet cfm local maintenance-points
show ethernet cfm local meps
show ethernet cfm peer meps
show ethernet cfm traceroute-cache
show ethernet oam configuration
show ethernet oam discovery
show ethernet oam interfaces
show ethernet oam statistics
show ethernet sla configuration-errors
show ethernet sla operations
show ethernet sla statistics
show event manager directory user
show event manager environment
show event manager metric hardware
show event manager metric process
show event manager policy available
show event manager policy registered
show event manager refresh-time
show event manager statistics-table
show exception
show explicit-paths
show filesystem
show flow exporter
show flow exporter-map
show flow monitor
show flow monitor-map
show fpd package
show frame-relay lmi
show frame-relay lmi-info
show frame-relay multilink
show frame-relay pvc

show frame-relay vcm-info interface
show history
show hosts
show hsrp
show hsrp bfd
show hsrp mgo
show hsrp statistics
show hsrp summary
show hw-module fpd
show hw-module linecard throughput
show hw-module multicast qos
show hw-module profile
show hw-module subslot brief
show hw-module subslot config
show hw-module subslot counters
show hw-module subslot errors
show hw-module subslot plim-subblock
show hw-module subslot registers
show hw-module subslot status
show igmp groups
show igmp interface
show igmp nsf
show igmp ssm map
show igmp summary
show igmp traffic
show im dampening
show im database
show imds interface brief
show install
show install active
show install audit
show install auto-abort-timer
show install boot-options
show install committed
show install inactive
show install log
show install package
show install pie-info
show install request
show install rollback
show install which
show interfaces
show interfaces (frame relay)
show interfaces multilink
show interfaces null0
show interfaces pos
show inventory
show iphc idb
show iphc ipv4 rtp
show iphc ipv4 tcp
show iphc platform trace
show iphc profile
show iphc trace all
show ipsla application
show ipsla history
show ipsla mpls discovery vpn
show ipsla mpls lsp-monitor lpd
show ipsla mpls lsp-monitor scan-queue
show ipsla mpls lsp-monitor summary
show ipsla responder statistics ports
show ipsla statistics
show ipsla statistics aggregated
show ipsla statistics enhanced aggregated
show ipv4 interface
show ipv4 traffic
show ipv6 interface
show ipv6 neighbors
show ipv6 neighbors summary
show ipv6 traffic
show isis
show isis adjacency
show isis adjacency-log
show isis checkpoint adjacency
show isis checkpoint interface
show isis checkpoint lsp
show isis database
show isis database-log
show isis fast-reroute

[show isis hostname](#)
[show isis interface](#)
[show isis lsp-log](#)
[show isis mesh-group](#)
[show isis mpls traffic-eng adjacency-log](#)
[show isis mpls traffic-eng advertisements](#)
[show isis mpls traffic-eng tunnel](#)
[show isis neighbors](#)
[show isis protocol](#)
[show isis route](#)
[show isis spf-log](#)
[show isis statistics](#)
[show isis topology](#)
[show key chain](#)
[show l2tp class](#)
[show l2tp counters forwarding session](#)
[show l2tp session](#)
[show l2tp tunnel](#)
[show l2vpn atom-db](#)
[show l2vpn bridge-domain \(VPLS\)](#)
[show l2vpn collaborators](#)
[show l2vpn forwarding](#)
[show l2vpn forwarding bridge-domain \(VPLS\)](#)
[show l2vpn forwarding bridge-domain mac-address \(VPLS\)](#)
[show l2vpn forwarding l2tp](#)
[show l2vpn generic-interface-list](#)
[show l2vpn index](#)
[show l2vpn pw-class](#)
[show l2vpn pwhe](#)
[show l2vpn resource](#)
[show l2vpn xconnect](#)
[show lacp bundle](#)
[show lacp counters](#)
[show lacp io](#)
[show lacp packet-capture](#)
[show lacp port](#)
[show lacp system-id](#)
[show lcc](#)
[show lcc statistics](#)
[show led](#)
[show license](#)
[show license active](#)
[show license allocated](#)
[show license available](#)
[show license backup](#)
[show license chassis](#)
[show license evaluation](#)
[show license expired](#)
[show license features](#)
[show license file](#)
[show license log](#)
[show license pools](#)
[show license status](#)
[show license udi](#)
[show line](#)
[show local pool](#)
[show logging](#)
[show logging correlator buffer](#)
[show logging correlator info](#)
[show logging correlator rule](#)
[show logging correlator ruleset](#)
[show logging events buffer](#)
[show logging events info](#)
[show logging history](#)
[show logging onboard](#)
[show logging suppress rule](#)
[show lpts bindings](#)
[show lpts clients](#)
[show lpts flows](#)
[show lpts ifib](#)
[show lpts ifib slices](#)
[show lpts ifib statistics](#)
[show lpts ifib times](#)
[show lpts mpa groups](#)
[show lpts pifib](#)
[show lpts pifib hardware context](#)
[show lpts pifib hardware entry](#)

show lpts pifib hardware police
show lpts pifib hardware usage
show lpts pifib statistics
show lpts port-arbitrator statistics
show lpts vrf
show mac-accounting (Ethernet)
show mbus
show media
show memory
show memory compare
show memory heap
show mfib connections
show mfib counter
show mfib encap-info
show mfib hardware api-counter
show mfib hardware mlc
show mfib hardware route accept-bitmap
show mfib hardware route ingress
show mfib hardware route location
show mfib hardware route olist
show mfib hardware route qos
show mfib hardware route summary
show mfib hardware session-info
show mfib hardware trace
show mfib interface
show mfib mdt statistics
show mfib nsf
show mfib route
show mfib table-info
show mgmt-plane
show mhost default-interface
show mhost groups
show mirror
show mld groups
show mld interface
show mld nsf
show mld ssm map
show mld summary
show mld traffic
show mpa client
show mpa groups
show mpa ipv4
show mpa ipv6
show mpls forwarding
show mpls forwarding exact-route
show mpls interfaces
show mpls label range
show mpls label table
show mpls ldp backoff
show mpls ldp bindings
show mpls ldp discovery
show mpls ldp forwarding
show mpls ldp graceful-restart
show mpls ldp igp sync
show mpls ldp interface
show mpls ldp neighbor
show mpls ldp parameters
show mpls ldp statistics msg-counters
show mpls ldp summary
show mpls lsd applications
show mpls lsd clients
show mpls lsd forwarding
show mpls oam
show mpls oam database
show mpls traffic-eng affinity-map
show mpls traffic-eng auto-tunnel backup
show mpls traffic-eng auto-tunnel mesh
show mpls traffic-eng autoroute
show mpls traffic-eng collaborator-timers
show mpls traffic-eng counters signaling
show mpls traffic-eng ds-te te-class
show mpls traffic-eng fast-reroute database
show mpls traffic-eng fast-reroute log
show mpls traffic-eng forwarding
show mpls traffic-eng forwarding-adjacency
show mpls traffic-eng igp-areas
show mpls traffic-eng link-management admission-control
show mpls traffic-eng link-management advertisements

[show mpls traffic-eng link-management bandwidth-allocation](#)
[show mpls traffic-eng link-management bfd-neighbors](#)
[show mpls traffic-eng link-management igp-neighbors](#)
[show mpls traffic-eng link-management interfaces](#)
[show mpls traffic-eng link-management soft-preemption](#)
[show mpls traffic-eng link-management statistics](#)
[show mpls traffic-eng link-management summary](#)
[show mpls traffic-eng lmp](#)
[show mpls traffic-eng maximum tunnels](#)
[show mpls traffic-eng pce peer](#)
[show mpls traffic-eng pce tunnels](#)
[show mpls traffic-eng preemption log](#)
[show mpls traffic-eng topology](#)
[show mpls traffic-eng tunnels](#)
[show mpls traffic-eng tunnels auto-bw brief](#)
[show mrrib client](#)
[show mrrib mdt-interface](#)
[show mrrib nsf](#)
[show mrrib platform trace](#)
[show mrrib route](#)
[show mrrib route outgoing-interface](#)
[show mrrib route-collapse](#)
[show mrrib table-info](#)
[show mrrib tlc](#)
[show msdp globals](#)
[show msdp peer](#)
[show msdp rpf](#)
[show msdp sa-cache](#)
[show msdp statistics peer](#)
[show msdp summary](#)
[show netio chains](#)
[show netio clients](#)
[show netio db](#)
[show netio idb](#)
[show netio media-registrations](#)
[show netio subblock](#)
[show netio trace](#)
[show nsr ncd client](#)
[show nsr ncd queue](#)
[show ntp associations](#)
[show ntp status](#)
[show operational](#)
[show ospf](#)
[show ospf border-routers](#)
[show ospf database](#)
[show ospf flood-list](#)
[show ospf interface](#)
[show ospf message-queue](#)
[show ospf mpls traffic-eng](#)
[show ospf neighbor](#)
[show ospf request-list](#)
[show ospf retransmission-list](#)
[show ospf routes](#)
[show ospf sham-links](#)
[show ospf statistics interface](#)
[show ospf summary-prefix](#)
[show ospf virtual-links](#)
[show ospfv3](#)
[show ospfv3 border-routers](#)
[show ospfv3 database](#)
[show ospfv3 flood-list](#)
[show ospfv3 interface](#)
[show ospfv3 message-queue](#)
[show ospfv3 neighbor](#)
[show ospfv3 request-list](#)
[show ospfv3 retransmission-list](#)
[show ospfv3 routes](#)
[show ospfv3 statistics rib-thread](#)
[show ospfv3 summary-prefix](#)
[show ospfv3 virtual-links](#)
[show packet-memory](#)
[show performance-mgmt bgp](#)
[show performance-mgmt interface](#)
[show performance-mgmt mpls](#)
[show performance-mgmt node](#)
[show performance-mgmt ospf](#)
[show pim bgp-safi](#)

show pim bsr candidate-rp
show pim bsr election
show pim context
show pim context detail
show pim context table
show pim group-map
show pim interface
show pim join-prune statistic
show pim mdt
show pim mstatic
show pim neighbor
show pim nsf
show pim range-list
show pim rpf
show pim rpf hash
show pim rpf route-policy statistics
show pim rpf route-policy test
show pim rpf summary
show pim summary
show pim table-context
show pim topolo
show pim topology
show pim topology entry-flag
show pim topology interface-flag
show pim topology summary
show pim traffic
show pim tunnel info
show placement location
show placement policy
show placement program
show placement reoptimize
show platform
show policy-map interface
show policy-map targets
show ppp interfaces
show prefix-list
show prefix-list afi-all
show prefix-list ipv4
show prefix-list ipv4 standby
show prefix-list ipv6
show processes
show protocols (BGP)
show protocols (EIGRP)
show protocols (IS-IS)
show protocols (OSPF)
show protocols (OSPFv3)
show protocols (RIP)
show qos acl-deny enable
show qos if-ref-bw
show qos interface
show qos pol-gran location
show radius
show radius accounting
show radius authentication
show radius client
show radius dead-criteria
show radius server-groups
show raw brief
show raw detail pcb
show raw extended-filters
show raw statistics pcb
show rcc
show rcc statistics
show rcc vrf
show reboot
show reboot first
show reboot graceful
show reboot history
show reboot last
show reboot pcds
show redundancy
show rib
show rib afi-all
show rib attributes
show rib client-id
show rib clients
show rib extcomms
show rib firsthop

show rib history
show rib next-hop
show rib opaques
show rib protocols
show rib recursion-depth-max
show rib statistics
show rib tables
show rib trace
show rib vpn-attributes
show rib vrf
show rip
show rip datab
show rip interface
show rip statistics
show route
show route backup
show route best-local
show route connected
show route local
show route longer-prefixes
show route next-hop
show route quarantined
show route resolving-next-hop
show route static
show route summary
show rpl
show rpl active as-path-set
show rpl active community-set
show rpl active extcommunity-set
show rpl active prefix-set
show rpl active rd-set
show rpl active route-policy
show rpl as-path-set
show rpl as-path-set attachpoints
show rpl as-path-set references
show rpl community-set
show rpl community-set attachpoints
show rpl community-set references
show rpl extcommunity-set
show rpl inactive as-path-set
show rpl inactive community-set
show rpl inactive extcommunity-set
show rpl inactive prefix-set
show rpl inactive rd-set
show rpl inactive route-policy
show rpl maximum
show rpl policy-global references
show rpl prefix-set
show rpl prefix-set attachpoints
show rpl prefix-set references
show rpl rd-set
show rpl rd-set attachpoints
show rpl rd-set references
show rpl route-policy
show rpl route-policy attachpoints
show rpl route-policy inline
show rpl route-policy references
show rpl route-policy uses
show rpl unused as-path-set
show rpl unused community-set
show rpl unused extcommunity-set
show rpl unused prefix-set
show rpl unused rd-set
show rpl unused route-policy
show rsvp authentication
show rsvp counters
show rsvp counters oor
show rsvp counters prefix-filtering
show rsvp fast-reroute
show rsvp graceful-restart
show rsvp hello instance
show rsvp hello instance interface-based
show rsvp interface
show rsvp request
show rsvp reservation
show rsvp sender
show rsvp session
show run diagnostic monitor

show running performance-mgmt
show running-config
show sam certificate
show sam crl
show sam log
show sam package
show sam sysinfo
show sampler-map
show sap
show sctp association brief
show sctp association detail
show sctp pcb brief
show sctp pcb detail
show sctp statistics
show sctp summary
show sdr
show services redundancy
show services role
show sessions
show snmp
show snmp context
show snmp context-mapping
show snmp correlator buffer
show snmp correlator info
show snmp correlator rule
show snmp correlator ruleset
show snmp engineid
show snmp entity
show snmp gr
show snmp host
show snmp interface
show snmp interface notification
show snmp interface regular-expression
show snmp mib
show snmp mib bulksta
show snmp request duplicates
show snmp users
show snmp view
show sonet-local trace frf
show srlg
show ssh
show ssh session details
show ssl
show svd role
show svd state
show sysdb connections
show sysdb trace verification location
show sysdb trace verification shared-plane
show system backup
show system verify
show tacacs
show tacacs server-groups
show tbm hardware
show tcp brief
show tcp detail
show tcp extended-filters
show tcp nsr brief
show tcp nsr client brief
show tcp nsr detail client
show tcp nsr detail pcb
show tcp nsr detail session-set
show tcp nsr session-set brief
show tcp nsr statistics client
show tcp nsr statistics pcb
show tcp nsr statistics session-set
show tcp nsr statistics summary
show tcp statistics
show tech-support
show tech-support aps
show tech-support asic
show tech-support bcdl
show tech-support bundles
show tech-support cef
show tech-support cfgmgr
show tech-support chdlc
show tech-support control-ethernet
show tech-support dsc
show tech-support ethernet

show tech-support fabric
show tech-support gsp
show tech-support igmp snooping
show tech-support install
show tech-support iphc
show tech-support l2tp
show tech-support l2vpn
show tech-support lrd
show tech-support mpls ldp
show tech-support mpls optical-uni
show tech-support mpls rsvp
show tech-support mpls traffic-eng
show tech-support multicast
show tech-support netflow
show tech-support nrs
show tech-support password
show tech-support pfi
show tech-support placement
show tech-support pos
show tech-support ppp
show tech-support qos
show tech-support rdsfs
show tech-support rib
show tech-support routing bfd
show tech-support routing isis
show tech-support routing ospf
show tech-support routing ospfv3
show tech-support routing rpl
show tech-support sanitized
show tech-support serial
show tech-support services
show tech-support snmp
show tech-support spaipc
show tech-support sysdb
show tech-support terminal
show terminal
show udp brief
show udp detail pcb
show udp extended-filters
show udp statistics
show uidb data
show uidb index
show uidb trace
show upgrade
show user
show users
show variables boot
show variables system
show version
show vlan interface
show vlan tags
show vlan trunks
show vrf
show vrrp
show watchdog
show xml schema
show xml sessions
shutdown (ATM)
shutdown (BGP)
shutdown (Bridge Domain)
shutdown (IS-IS)
shutdown (MSDP)
shutdown (SONET)
shutdown (T1/E1)
shutdown (T3/E3)
shutdown (VFI)
shutdown (VRF)
shutdown (global)
shutdown (rpki-server)
signalled-bandwidth
signalled-name
signalling
signalling advertise explicit-null (MPLS-TE)
signalling dscp (LDP)
signalling dscp (RSVP)
signalling graceful-restart
signalling hello graceful-restart refresh interval
signalling hello graceful-restart refresh misses

signalling prefix-filtering access-list
signalling prefix-filtering default-deny-action
signalling rate-limit
signalling refresh interval
signalling refresh missed
signalling refresh redu
signalling refresh reduction bundle-max-size
signalling refresh reduction reliable
signalling refresh reduction summary
single-connection
single-topology
sip address
sip domain-name
site-id
site-of-origin (BGP)
site-of-origin (EIGRP)
site-of-origin (RIP)
sla operation
slave follow
slave primary virtual IPv4 address
slave secondary virtual IPv4 address
slave virtual mac address
slow-migration-interval
snmp context (OSPF)
snmp context (OSPFv3)
snmp test trap all
snmp test trap entity
snmp test trap infra
snmp test trap interface
snmp test trap snmp
snmp trap (OSPF)
snmp trap (OSPFv3)
snmp trap rate-limit (OSPF)
snmp trap rate-limit (OSPFv3)
snmp traps mpls traffic-eng
snmp-server chassis-id
snmp-server community
snmp-server community-map
snmp-server contact
snmp-server context
snmp-server context mapping
snmp-server engineid local
snmp-server engineid remote
snmp-server entityindex persist
snmp-server group
snmp-server host
snmp-server ifindex persist
snmp-server ifmib ifalias long
snmp-server ifmib stats cache
snmp-server inform
snmp-server interface
snmp-server interface subset
snmp-server ipv4 dscp
snmp-server ipv4 precedence
snmp-server location
snmp-server mib bulkstat max-procmem-size
snmp-server mib bulkstat object-list
snmp-server mib bulkstat schema
snmp-server mib bulkstat transfer-id
snmp-server mibs cbqosmib cache
snmp-server mibs cbqosmib persist
snmp-server mibs eventmib congestion-control
snmp-server mibs eventmib packet-loss
snmp-server notification-log-mib
snmp-server packetsize
snmp-server queue-length
snmp-server target list
snmp-server throttle-time
snmp-server timeouts subagent
snmp-server trap authentication vrf disable
snmp-server trap link ietf
snmp-server trap throttle-time
snmp-server trap-source
snmp-server trap-timeout
snmp-server traps
snmp-server traps bgp
snmp-server traps ethernet cfm
snmp-server traps ethernet oam events

snmp-server traps frame-relay pvc
snmp-server traps isis
snmp-server traps mpls l3vpn
snmp-server traps mpls ldp
snmp-server traps ospf errors
snmp-server traps ospf lsa
snmp-server traps ospf retransmit
snmp-server traps ospf state-change
snmp-server traps ospfv3
snmp-server traps ospfv3 state-change
snmp-server traps pim interface-state-change
snmp-server traps pim invalid-message-received
snmp-server traps pim neighbor-change
snmp-server traps pim rp-mapping-change
snmp-server traps rsvp
snmp-server traps selective-vrf-download role-change
snmp-server traps snmp
snmp-server traps syslog
snmp-server traps vrrp events
snmp-server user
snmp-server view
snmp-server vrf
socket receive-buffer-size
socket send-buffer-size
soft-preemption
soft-reconfiguration inbound
source
source (NTP)
source (NetFlow)
source address
source in
source port
speaker-id
speed (DS0)
speed (Fast Ethernet)
speed (Management Ethernet)
spf prefix-priority (IS-IS)
spf prefix-priority (OSPFv2)
spf prefix-priority (OSPFv3)
spf-interval
split-dns
split-horizon disable (EIGRP)
split-horizon disable (RIP)
spt-threshold infinity
squeeze
srlg
ssh
ssh client knownhost
ssh client source-interface
ssh client vrf
ssh server
ssh server logging
ssh server rate-limit
ssh server session-limit
ssh server v2
ssh timeout
ssm
ssm map static
start-time
static-address (VPLS)
static-group
static-mac-address (VPLS)
static-rpf
statistics
statistics measure
stopbits
storage-location
streaming
street-address
sts
stub (EIGRP)
stub (OSPF)
stub (OSPFv3)
stub-router
subject-name (trustpoint)
subscribe-to-alert-group environment
subscribe-to-alert-group inventory
subscribe-to-alert-group syslog

summary-address (EIGRP)
summary-prefix (IS-IS)
summary-prefix (OSPF)
summary-prefix (OSPFv3)
suppress-route
suppressed
switch-fabric service-policy
switching (GMPLS)
switching endpoint (GMPLS)
switching transit (GMPLS)
switching-tlv (L2VPN)
system backup
system boot-sequence

T

table-policy
tacacs source-interface
tacacs-server host
tacacs-server key
tacacs-server timeout
tag
tag (IP SLA)
tag (IS-IS)
tag-impose
tag-rewrite
tar
target ipv4
target pseudowire
task
taskgroup
tcp compression
tcp context absolute
tcp mss
tcp path-mtu-discovery
tcp selective-ack
tcp synwait-time
tcp timestamp
tcp window-size
telnet
telnet client source-interface
telnet dscp
telnet server
telnet transparent
template
template (NetFlow)
terminal exec
terminal length
terminal monitor
terminal width
tftp client source-interface
tftp server
threshold
threshold (SONET path)
threshold (SONET)
threshold percentage
threshold type average
threshold type consecutive
threshold type immediate
threshold type xofy
threshold weight
throttle
time (VPLS)
timeout
timeout (IP SLA)
timeout (RADIUS)
timeout (TACACS+)
timeout (soft-preemption)
timeout login response
timeout setup (L2TP)
timeout-rootcause
timers (APS)
timers (BGP)
timers (hsrp)
timers active-time
timers basic
timers bgp
timers loose-path (MPLS-TE)

timers lsa arrival
 timers lsa group-pacing
 timers lsa min-arrival
 timers lsa refresh
 timers nsf route-hold (EIGRP)
 timers paci
 timers pacing lsa-group
 timers pacing retransmission
 timers removal unused (auto-tunnel backup)
 timers throttle lsa all (OSPF)
 timers throttle lsa all (OSPFv3)
 timers throttle spf (OSPF)
 timers throttle spf (OSPFv3)
 timeslots
 timestamp disable
 topology holddown sigerr (MPLS-TE)
 topology-id
 tos
 trace (IS-IS)
 trace (OSPFv3)
 traceroute
 traceroute cache
 traceroute ethernet cfm
 traceroute mpls ipv4
 traceroute mpls mldp (MP2MP)
 traceroute mpls mldp (P2MP)
 traceroute mpls multipath
 traceroute mpls traffic-eng
 traceroute mpls traffic-eng tunnel-te (P2P)
 track (hsrp)
 track (static)
 track(object)
 transfer-interval
 transmit-delay
 transmit-delay (OSPF)
 transmit-delay (OSPFv3)
 transmit-delay (serial)
 transport (rpki-server)
 transport input

transport mode (L2VPN)
 transport output
 transport preferred
 transport udp
 trusted-key
 ttl
 ttl-security
 ttl-threshold (MSDP)
 ttl-threshold (multicast)
 tug3
 tunnel destination (IPsec)
 tunnel source (IPsec)
 tunnel vrf (IPsec)
 tunnel-id (auto-tunnel backup)
 tunnel-template
 type (VPLS)
 type icmp echo
 type icmp path-echo
 type icmp path-ji
 type list threshold percentage
 type list threshold weight
 type mpls lsp ping
 type mpls lsp trace
 type udp echo
 type udp ipv4 address
 type udp jitter

U

undelete
 uneq-shut (SONET path)
 unidirectional
 unmount
 unsuppress-route
 update limit
 update-calendar
 update-source
 upgrade all
 upgrade bsf

upgrade fabric-downloader
upgrade hw-module fpd
upgrade mbus
upgrade rommon
url
use
usergroup
username
username (rpki-server)
users group
utility bc
utility cut
utility date
utility date set
utility df
utility du
utility egrep
utility fgrep
utility find
utility head
utility less
utility mv
utility sort
utility tail
utility uniq
utility wc
utility which
utility xargs

V

validate-update-source disable
variance
vc-class atm
verify-data
version
version v9
vfi (VPLS)
violate-action
virtual-link (OSPF)
virtual-link (OSPFv3)
vp-tunnel
vpn-distinguisher is
vrf
vrf (BGP)
vrf (EIGRP)
vrf (IP SLA MPLS LSP monitor)
vrf (IP SLA)
vrf (MPP)
vrf (OSPF)
vrf (OSPFv3)
vrf (RADIUS)
vrf (RIP)
vrf (TACACS+)
vrf (XML)
vrf (description)
vrf (igmp)
vrf (mhost)
vrf (multicast)
vrf (relay profile)
vrf (static)
vrf(address-family)
vrrp
vrrp assume-ownership disable
vrrp bfd fast-detect
vrrp bfd minimum-interval
vrrp bfd multiplier
vrrp delay
vrrp ipv4
vrrp preempt
vrrp priority
vrrp text-authentication
vrrp timer
vrrp track interface
vty-pool

W

[watchdog threshold memory](#)
[weight](#)
[weight reset-on-import](#)
[weight reset-on-import disable](#)
[width](#)
[width \(display\)](#)
[window-size \(RSVP\)](#)
[wins](#)
[withdraw \(VPLS\)](#)

X

[xconnect group](#)
[xml agent](#)
[xml agent ssl](#)
[xml agent tty](#)

Y

[yellow](#)

