



IOS XR



JUNOS

NOKIA SROS



HVRP

BASIC

|            |                       |                  |         |
|------------|-----------------------|------------------|---------|
| show       | show                  | show             | display |
| exit       | exit/up               | exit all         | quit    |
| run        | run                   | -                | -       |
| end        | exit                  | exit all         | return  |
| include    | match                 | match            | include |
| ... formal | display-set           | -                | -       |
| reload     | request system reboot | admin reboot now | reboot  |

GENERAL CONFIGURATION

|                          |                             |                          |                               |
|--------------------------|-----------------------------|--------------------------|-------------------------------|
| show running-config      | show configuration          | admin display-config     | display current-configuration |
| show startup-config      | -                           | -                        | display saved-configuration   |
| configure terminal       | configure / edit            | configure                | system view                   |
| hostname hostname        | system host-name hostname   | system name systemname   | sysname systemname            |
| show (after conf change) | show   compare              | info (after conf change) | -                             |
| commit                   | commit                      | admin save               | save                          |
| shut down                | disable                     | shut down                | shut down                     |
| no shut down             | delete interfaces x disable | no shutdown              | undo shut down                |
| no                       | delete                      | no                       | undo                          |

SHOW

|                                     |                                   |                                       |                                |
|-------------------------------------|-----------------------------------|---------------------------------------|--------------------------------|
| show clock                          | show system uptime                | show system time                      | display clock                  |
| show ntp status                     | show ntp status                   | show system ntp                       | display ntp-service status     |
| show history                        | show cli history                  | history                               | display history-command        |
| show platform                       | show chassis fpc                  | show card, show mda                   | display device pic-status      |
| admin show platform                 | show chassis fpc detail           | show card detail, show mda detail     | display device                 |
| show environment                    | show chassis environment          | -                                     | -                              |
| show inventory                      | show chassis hardware             | -                                     | -                              |
| admin show environment   include PM | show chassis hardware   match PSM | show chassis environment power-supply | display power                  |
| show diags                          | show chassis hardware             | show chassis environment              | -                              |
| show memory summary                 | show chassis routing engine       | show system memory-pools              | display memory-usage           |
| show processes cpu                  | show system processes extensive   | show system cpu                       | display cpu-usage              |
| show users                          | show system users                 | show system users                     | display users                  |
| show version                        | show version                      | show version                          | display version                |
| show licence                        | -                                 | -                                     | display licence                |
| -                                   | show system alarms                | show system alarms                    | display alarm all / active     |
| -                                   | show chassis alarms               | -                                     | -                              |
| show arp                            | show arp                          | show router arp                       | display arp all                |
| show interface                      | show interfaces                   | show router interface                 | display ip interface           |
| show interface interface            | show interfaces interface         | show port port                        | display ip interface interface |
| show interface interface statistics | -                                 | show port port statistics             | -                              |
| show interface brief                | show interface terse              | show router interface summary         | display ip interface brief     |
| show policy-map                     | show class-of-service interface   | show router policy                    | -                              |
| show policy-map interface           | show interfaces queue             | -                                     | -                              |
| show route                          | show route                        | show router route-table               | display ip routing-table       |
| show route summary                  | show route summary                | show router route-table summary       | -                              |
| show route ipv6                     | show route table inet6.0          | show router route-table ipv6          | display ipv6 routing-table     |
| show route-map                      | show policy                       | show router policy                    | display route-policy           |
| show snmp                           | show snmp statistics              | show snmp counters                    | display snmp statistics        |
| show tcp                            | show system connections           | show system connections               | display tcp statistics         |
| show ipv4 traffic                   | show system statistics            | -                                     | display ip statistics          |
| show protocols                      | show route protocol               | -                                     | -                              |
| show flash                          | show flash                        | file ( + dir )                        | dir flash:                     |
| show filesystem                     | show system storage               | -                                     | dir                            |
| show bfd session                    | show bfd session                  | show router bfd session               | display bfd session all        |
| show bfd interfaces location x      | -                                 | show router bfd interface             | display bfd interface          |
| show interfaces be x                | show interfaces aex               | show lag x                            | display interface Eth-Trunk x  |
| show interfaces be x details        | show interfaces aex details       | show lag x detail                     | -                              |
| -                                   | -                                 | show lag x associations               | -                              |

TSHOOT

|                             |   |                          |                                     |
|-----------------------------|---|--------------------------|-------------------------------------|
| ping ip_address             | ping ip_address                             | ping ip_address          | ping ip_address                     |
| traceroute ip_address       | traceroute ip_address                       | traceroute ip_address    | tracert ip_address                  |
| debug                       | debug                                       | debug                    | debugging                           |
| no debug                    | undebug all                                 | no debug                 | undo debugging                      |
| monitor interface interface | monitor interface interface                 | monitor port port        | -                                   |
| terminal monitor            | monitor start messages                      | -                        | terminal monitor /terminal trapping |
| terminal monitor disable    | monitor stop messages                       | -                        | undo terminal monitor               |
| show tech-support           | request support info                        | admin tech-support       | display diagnostic-information      |
| show logging                | show log messages                           | show log log-id 99 (all) | display logbuffer                   |
| show controllers interface  | show interfaces diagnostic optics interface | -                        | display controller                  |
| show access-lists           | show firewall                               | show filter ip x         | display acl x                       |

CLEAR

|                            |                                      |                            |  |
|----------------------------|--------------------------------------|----------------------------|--|
| clear                      | clear                                | clear                      | reset  |
| clear counters interface   | clear interface statistics interface | clear counter interface xx | reset counters interface xx                      |
| clear arp-cache            | clear arp                            | clear router arp           | reset arp  |
| clear cef                  | -                                    | -                          | reset ip fast-forwarding                         |
| clear route *              | clear ip route                       | clear router route-adv     | reset ip forwarding-table statistis protocol all |
| clear access-list counters | clear firewall                       | clear filter               | -  |
| clear line line            | request system logout username       | -                          | -  |

OSPF

|                         |                          |                               |  |
|-------------------------|--------------------------|-------------------------------|--|
| show ospf (summary)     | show ospf overview       | show router ospf status       | display ospf brief                     |
| show ospf database      | show ospf database       | show router ospf database     | display ospf lsdb                      |
| show ospf interface     | show ospf interface      | show router ospf interface    | display ospf interface                 |
| show ospf neighbor      | show ospf neighbor       | show router ospf neighbor     | display ospf nexthop                   |
| show route ospf         | show route protocol ospf | show router ospf routes       | display ip routing-table protocol ospf |
| show ospf virtual-links | -                        | show router ospf virtual-link | display ospf vlink                     |
| show ospf statistics    | show ospf statistics     | show router ospf statistics   | display ospf statistics                |

ISIS

|                        |                       |                              |                         |
|------------------------|-----------------------|------------------------------|-------------------------|
| display isis interface | show isis interface   | show router isis interface   | display isis interface  |
| show clns neighbor     | show isis adjacency   | show router isis adjaceny    | display isis peer       |
| show isis database     | show isis database    | show router isis database    | display isis lsdb       |
| show isis topology     | show isis topology    | show router isis topology    | -                       |
| show isis routes       | show isis route       | show router isis routes      | display isis route      |
| show isis spf-log      | show isis spf log     | show router isis spf-log     | display isis spf-log    |
| show isis statistics   | show isis statistics  | show router isis statistics  | display isis statistics |
| clear clns neighbors   | clear isis adjacency  | clear router isis adjacency  | -                       |
| clear isis *           | clear isis database   | clear router isis database   | -                       |
| clear isis statistics  | clear isis statistics | clear router isis statistics | -                       |

BGP

|                                |                         |                          |                                       |
|--------------------------------|-------------------------|--------------------------|---------------------------------------|
| show bgp                       | show route protocol bgp | show router bgp routes   | display bgp routing-table             |
| show bgp community             | show route community    | -                        | -                                     |
| show bgp neighbors             | show bgp neighbor       | show router bgp neighbor | display bgp peer                      |
| show bgp peer-group            | show bgp group          | show router bgp group    | display bgp group                     |
| show bgp summary               | show bgp summary        | show router bgp summary  | display bgp peer                      |
| show route bgp                 | show route protocol bgp | show router bgp routes   | display ip routing-table protocol bgp |
| clear bgp                      | clear bgp neighbor      | clear bgp                | reset bgp all                         |
| clear bgp nexthop registration | clear bgp neighbor      | clear bgp next-hop       | -                                     |

MPLS

|                              |                         |                             |  |
|------------------------------|-------------------------|-----------------------------|--|
| show mpls interface          | show mpls interface     | show router mpls interfaces | display mpls interface                 |
| show mpls ldp summary        | show ldp overview       | show mpls ldp summary       | display mpls ldp all                   |
| show mpls ldp interface      | show mpls ldp interface | show router ldp interface   | display mpls ldp interface             |
| show mpls ldp bindings       | -                       | show router ldp bindings    | -                                      |
| show mpls ldp neighbor brief | show ldp neighbor       | show router ldp session     | display mpls ldp adjacency             |
| show rsvp interface          | show rsvp interface     | show router rsvp interface  | display mpls rsvp-te interface         |
| show rsvp neighbors          | show rsvp neighbor      | show router rsvp neighbors  | display mpls rsvp-te peer              |
| show rsvp session            | show rsvp session       | show router rsvp session    | display mpls rsvp-te session x         |
| show rsvp counters           | show rsvp statistics    | show router rsvp statistics | display mpls rsvp-te statistics global |

MULTICAST

|                        |                           |                             |                                  |
|------------------------|---------------------------|-----------------------------|----------------------------------|
| show mfib/mrib route   | show multicast route      | show mfib/mrib route        | display multicast routing-table  |
| -                      | show multicast statistics | -                           | display multicast flow-statistic |
| show pim interface     | show pim interfaces       | show router pim interfaces  | display pim interface            |
| show pim neighbor      | show pim interfaces       | show router pim neighbor    | display pim neighbor             |
| show pim group-map     | show pim group            | show router pim group       | -                                |
| show ip pim rp mapping | show pim rps              | show router pim rp          | display pim rp-info              |
| show pim traffic       | show pim statistics       | show router pim statistics  | -                                |
| show mroute            | show mfib                 | -                           | display multicast routing-table  |
| show igmp interface    | show igmp interface       | show router igmp interface  | display igmp interface           |
| show igmp groups       | show igmp group           | show router igmp group      | -                                |
| show igmp traffic      | show igmp statistics      | show router igmp statistics | -                                |
| show mld interface     | show mld interface        | show router mld interface   | display igmp interface           |
| show mld groups        | show mld group            | show router mld group       | display igmp group               |
| show mld traffic       | show mld statistics       | show router mld statistics  | -                                |

VRRP

|                               |                               |                                     |                                  |
|-------------------------------|-------------------------------|-------------------------------------|----------------------------------|
| show vrrp interface interface | show vrrp interface interface | show router vrrp instance interface | display vrrp interface interface |
| show vrrp status              | show vrrp brief               | -                                   | display vrrp brief               |
| show vrrp summary             | show vrrp summary             | -                                   | -                                |
| show vrrp statistics          | -                             | show vrrp statistics                | display vrrp statistics          |