

## Operational Monitoring Commands

- |  |   |
|--|---|
| > <i>show interfaces terse</i>         | - Displays interface statuses                                 |
| > <i>show interfaces extensive</i>     | - Provides detailed statistics, errors, traffic               |
| > <i>show interface description</i>    | - Shows interface descriptions and operational status         |
| > <i>show ethernet-switching table</i> | - Displays MAC-address forwarding table                       |
| > <i>show vlans</i>                    | - Lists configured VLANs with IDs, names                      |
| > <i>show route</i>                    | - Displays active routing-table entries, protocols, next-hops |
| > <i>show arp</i>                      | - Shows IP-to-MAC address mappings                            |
| > <i>show ospf neighbor</i>            | - Shows OSPF neighbor states, IDs, interfaces, timers         |
| > <i>show bgp summary</i>              | - Summarises BGP peer sessions, prefixes, state, and uptime   |
| > <i>show system uptime</i>            | - Displays current time, system boot duration                 |
| > <i>show system alarms</i>            | - Lists software or hardware alarm conditions                 |
| > <i>show version</i>                  | - Shows Junos OS build, model, serial number                  |
| > <i>show chassis hardware</i>         | - Displays chassis components, FPCs, PICs, serial numbers     |
| > <i>show chassis alarms</i>           | - Displays chassis environment, power, or component alarms    |

## Maintenance & recovery commands

- |   |   |
|---|---|
| > <i>clear interfaces statistics</i>    | - Resets interface counters to zero                           |
| > <i>clear arp dynamic</i>              | - Clears dynamic ARP entries                                  |
| > <i>monitor traffic interface</i>      | - Captures packet headers live on specified interface         |
| > <i>request system reboot</i>          | - Immediately reboots device                                  |
| > <i>request system reboot at</i>       | - Schedules reboot at specified date or time                  |
| > <i>request system power-off</i>       | - Gracefully powers down hardware                             |
| > <i>request system snapshot</i>        | - Creates backup snapshot of Junos OS partitions              |
| > <i>request system software add</i>    | - Installs new Junos package from file or URL                 |
| > <i>request system software delete</i> | - Removes inactive Junos software packages                    |
| > <i>request system zeroize</i>         | - Erases configuration, logs, keys; factory-resets device     |
| > <i>request support information</i>    | - Collects extensive diagnostics logs for JTAC                |
| > <i>request chassis pic online</i>     | - Powers on PIC slot, brings interfaces online without reboot |

## Configuration Mode Workflow

- |   |   |
|---|---|
| # <i>commit</i>                           | - Applies candidate configuration to running system           |
| # <i>commit confirmed</i>                 | - Commits changes with automatic rollback timer               |
| # <i>commit check</i>                     | - Validates pending configuration for syntax/ dependencies    |
| # <i>rollback 1</i>                       | - Loads previous committed configuration into candidate       |
| # <i>configure exclusive</i>              | - Locks candidate config, preventing other users from editing |
| # <i>set system host-name</i>             | - Defines device hostname                                     |
| # <i>set interfaces disable</i>           | - Administratively disables interface                         |
| # <i>load replace terminal</i>            | - Replaces tagged configuration sections pasted via terminal  |
| > <i>show system commit</i>               | - Displays commit history with user, timestamp, and comment   |
| # <i>show   compare   display set</i>     | - Compares candidate config with running config               |
| > <i>show configuration</i>               | - Displays configuration hierarchy                            |
| > <i>show configuration   display set</i> | - Outputs configuration as equivalent set commands            |