

# Chapter 10

## Summary of CLI Operational Mode Commands

The following sections explain each of the CLI operational mode commands. The commands are organized alphabetically.

### clear

<b>Syntax</b>	clear (arp   bgp   chassis   firewall   igmp   interfaces   isis   ldp   log   mpls   msdp   multicast   ospf   pim   rip   route   rsvp   snmp   system   vrrp)
<b>Description</b>	Clear statistics and protocol database information.
<b>Usage Guidelines</b>	The various clear commands are discussed in the <i>JUNOS Internet Software Command Reference</i> .
<b>Required Privilege Level</b>	clear

### configure

<b>Syntax</b>	configure
<b>Description</b>	Enter configuration mode.
<b>Usage Guidelines</b>	See “Enter Configuration Mode” on page 81.
<b>Required Privilege Level</b>	configure

### file

<b>Syntax</b>	file (copy   delete   list   rename   show)
<b>Description</b>	Copy files to and from the router.
<b>Usage Guidelines</b>	See the <i>JUNOS Internet Software Command Reference</i> .
<b>Required Privilege Level</b>	maintenance

monitor

- Syntax** monitor (start | stop | interface)
- Description** Monitor a log file or interface traffic in real time.
- Usage Guidelines** See the *JUNOS Internet Software Command Reference*.
- Required Privilege Level** Depends on the specific command.

ping

- Syntax** ping
- Description** Check the reachability of network hosts.
- Usage Guidelines** See the *JUNOS Internet Software Command Reference*.
- Required Privilege Level** network

| (pipe)

- Syntax** | <compare (*filename* | rollback *n*)> <count> <except *regular-expression*>  
<find *regular-expression*> <hold> <match *regular-expression*> <no-more>  
<save *filename*>
- Description** Filter the output of an operational mode or a configuration mode command.
  - Possible completions:
  - compare Compare configuration changes with a prior version
  - count Count occurrences
  - display Display additional configuration information
  - except Show only text that does not match a pattern
  - find Search for the first occurrence of a pattern
  - hold Hold text without exiting the ---More--- prompt
  - match Show only text that matches a pattern
  - no-more Don't paginate output
  - save Save output text to a file
- Options** compare (*filename* | rollback *n*)—(Configuration mode only, with the show command only)  
Compare configuration changes with another configuration file.
- count—Display the number of lines in the output.
- display detail—(Configuration mode only) Display additional information about the contents of the configuration.
- except *regular-expression*—Ignore a text matching a regular expression when searching the output. If the regular expression contains spaces, operators, or wildcard characters, enclose it in quotation marks.

**find** *regular-expression*—Display the output starting at the first occurrence of text matching a regular expression. If the regular expression contains spaces, operators, or wildcard characters, enclose it in quotation marks.

**hold**—Hold text without exiting the --More-- prompt.

**match** *regular-expression*—Search for text matching a regular expression. If the regular expression contains spaces, operators, or wildcard characters, enclose it in quotation marks.

**no-more**—Display output all at once rather than one screen at a time.

**save** *filename*—Save the output to a file or URL. For information about specifying the filename, see “How to Specify Filenames” on page 184.

**Usage Guidelines** See “Filter Command Output” on page 62.

## quit

**Syntax** quit

**Description** Exit from the CLI to a UNIX shell.

**Required Privilege Level** shell and maintenance

**See Also** start on page 148

## request

**Syntax** request system (reboot | halt | software | snapshot)

**Description** Stop or reboot the router, load software packages, and back up the router’s file systems.

**Usage Guidelines** See the *JUNOS Internet Software Command Reference*.

**Required Privilege Level** maintenance

## restart

**Syntax** restart (fpc | interface-control | mib-process | routing | sampling | sfm | snmp | soft)

**Description** Restart router software processes.

**Usage Guidelines** See the *JUNOS Internet Software Command Reference*.

**Required Privilege Level** reset

## set

**Syntax** set (chassis | cli | date)

**Description** Configure chassis and CLI properties and the router's date and time.

**Usage Guidelines** See "Control the CLI Environment" on page 73 and "Set the Current Date and Time" on page 71. For information about setting chassis properties, see the *JUNOS Internet Software Command Reference*.

**Required Privilege Level** view

## show

**Syntax** show (aps | arp | as-path | bgp | chassis | cli | configuration | connections | dvmrp | firewall | host | igmp | interfaces | isis | ldp | log | mpls | multicast | ntp | ospf | pfe | pim | policy | route | rsvp | sap | snmp | system | task | ted | version | vrrp)

**Description** Show information about all aspects of the software, including interfaces and the routing protocols.

**Usage Guidelines** The various show commands are discussed in the *JUNOS Internet Software Command Reference*.

**Required Privilege Level** Depends on the specific command.

## ssh

**Syntax** ssh

**Description** Open a secure shell to another host.

**Usage Guidelines** See the *JUNOS Internet Software Command Reference*.

**Required Privilege Level** network

## start

**Syntax** start shell

**Description** Start a UNIX shell on the router.

**Usage Guidelines** See the *JUNOS Internet Software Command Reference*.

**Required Privilege Level** shell and maintenance

## telnet

<b>Syntax</b>	telnet
<b>Description</b>	Establish a Telnet session to another host.
<b>Usage Guidelines</b>	See the <i>JUNOS Internet Software Command Reference</i> .
<b>Required Privilege Level</b>	network

## test

<b>Syntax</b>	test (configuration   interface   msdp   policy)
<b>Description</b>	Run various diagnostic debugging commands.
<b>Usage Guidelines</b>	The various test commands are discussed in the <i>JUNOS Internet Software Command Reference</i> .
<b>Required Privilege Level</b>	Depends on the specific command.

## traceroute

<b>Syntax</b>	traceroute
<b>Description</b>	Trace the route to a remote host.
<b>Usage Guidelines</b>	See the <i>JUNOS Internet Software Command Reference</i> .
<b>Required Privilege Level</b>	network

