

# Chapter 17

## 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 Operational Mode Command Reference: Protocols, Class of Service, Chassis, and Management</i> and the <i>JUNOS Internet Software Operational Mode Command Reference: Interfaces</i> .
<b>Required Privilege Level</b>	clear

### configure

<b>Syntax</b>	configure   configure exclusive   configure private
<b>Description</b>	Enter configuration mode.
<b>Usage Guidelines</b>	See “Enter Configuration Mode” on page 157.
<b>Required Privilege Level</b>	configure

### file

<b>Syntax</b>	file (compare   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 Operational Mode Command Reference: Protocols, Class of Service, Chassis, and Management</i> .
<b>Required Privilege Level</b>	maintenance

## monitor

<b>Syntax</b>	monitor (start   stop   interface   list   traffic)
<b>Description</b>	Monitor a log file or interface traffic in real time.
<b>Usage Guidelines</b>	See the <i>JUNOS Internet Software Operational Mode Command Reference: Protocols, Class of Service, Chassis, and Management</i> .
<b>Required Privilege Level</b>	Depends on the specific command.

## ping

<b>Syntax</b>	ping
<b>Description</b>	Check the reachability of network hosts.
<b>Usage Guidelines</b>	See the <i>JUNOS Internet Software Operational Mode Command Reference: Protocols, Class of Service, Chassis, and Management</i> .
<b>Required Privilege Level</b>	network

## update

<b>Syntax</b>	update
<b>Description</b>	Updates private candidate configuration with a copy of the most recently committed configuration, including your private changes.
<b>Usage Guidelines</b>	See the “Update the Configure Private Configuration” on page 162.

**Note**

The update command is only available when you are in configure private mode.

## | (pipe)

**Syntax** | (compare | count | display <detail | inheritance | xml> | except *pattern* | find *pattern* | hold | last *lines* | match *pattern* | no-more | resolve <full-names> | save *filename* | trim *columns*)

**Description** Filter the output of an operational mode or a configuration mode command.

**Options** compare (filename | rollback *n*)—(configuration mode only, and only with the show command.) Compare configuration changes with another configuration file.

count—Display the number of lines in the output.

display—Display additional information about the configuration contents.

detail—(Configuration mode only) Display configuration data detail.

inheritance—(Configuration mode only) Display inherited configuration data and source group.

xml—(Operational mode only) Display XML content of the command.

except *pattern*—Ignore 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 *pattern*—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.

last *lines*—Display the last number of lines you want to view from the end of the configuration. For more information about how to displaying the last number of lines from the end of the configuration, see “Display the Lines You Want to View from the End of the Output” on page 143.

match *pattern*—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.

resolve—Convert IP addresses into domain name server (DNS) names. Truncates to fit original size unless full-names specified. To prevent the names from being truncated, use the full-name option.

save *filename*—Save the output to a file or URL. For information about specifying the filename, see “Specify Filenames and URLs” on page 260.

trim *columns*—Trim specified number of columns from the start line.

**Usage Guidelines** See “Filter Command Output” on page 137.

## quit

<b>Syntax</b>	quit
<b>Description</b>	Exit from the CLI to a UNIX shell.
<b>Required Privilege Level</b>	shell and maintenance
<b>See Also</b>	start on page 255

## request

<b>Syntax</b>	request system (reboot   halt   software   snapshot)
<b>Description</b>	Stop or reboot the router, load software packages, and back up the router's file systems.
<b>Usage Guidelines</b>	See the <i>JUNOS Internet Software Operational Mode Command Reference: Protocols, Class of Service, Chassis, and Management</i> .
<b>Required Privilege Level</b>	maintenance

## restart

<b>Syntax</b>	restart (fpc   interface-control   mib-process   routing   sampling   sfm   snmp   soft)
<b>Description</b>	Restart router software processes.
<b>Usage Guidelines</b>	See the <i>JUNOS Internet Software Operational Mode Command Reference: Protocols, Class of Service, Chassis, and Management</i> and the <i>JUNOS Internet Software Operational Mode Command Reference: Interfaces</i> .
<b>Required Privilege Level</b>	reset

## set

<b>Syntax</b>	set (chassis   cli   date)
<b>Description</b>	Configure chassis and CLI properties and the router's date and time.
<b>Usage Guidelines</b>	See "Control the CLI Environment" on page 149 and "Set the Current Date and Time" on page 146. For information about setting chassis properties, see the <i>JUNOS Internet Software Operational Mode Command Reference: Protocols, Class of Service, Chassis, and Management</i> .
<b>Required Privilege Level</b>	view

## show

<b>Syntax</b>	show (aps   arp   as-path   bgp   chassis   cli   configuration   connections   dvmrp   firewall   host   igmp   interfaces   isis   ldp   log   mpls   msdpl   multicast   ntp   ospf   pfe   pim   policy   ripl   route   rsvp   sap   snmp   system   task   ted   version   vrrp)
<b>Description</b>	Show information about all aspects of the software, including interfaces and routing protocols.
<b>Usage Guidelines</b>	The various show commands are discussed in the <i>JUNOS Internet Software Operational Mode Command Reference: Protocols, Class of Service, Chassis and Management</i> and the <i>JUNOS Internet Software Operational Mode Command Reference: Interfaces</i> .
<b>Required Privilege Level</b>	Depends on the specific command.

## ssh

<b>Syntax</b>	ssh
<b>Description</b>	Open a secure shell to another host.
<b>Usage Guidelines</b>	See the <i>JUNOS Internet Software Operational Mode Command Reference: Protocols, Class of Service, Chassis, and Management</i> .
<b>Required Privilege Level</b>	network

## start

<b>Syntax</b>	start shell
<b>Description</b>	Start a UNIX shell on the router.
<b>Usage Guidelines</b>	See the <i>JUNOS Internet Software Operational Mode Command Reference: Protocols, Class of Service, Chassis and Management</i> .
<b>Required Privilege Level</b>	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 Operational Mode Command Reference: Protocols, Class of Service, Chassis, and Management</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 Operational Mode Command Reference: Protocols, Class of Service, Chassis, and Management</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 Operational Mode Command Reference: Protocols, Class of Service, Chassis, and Management</i> .
<b>Required Privilege Level</b>	network