

Chapter 15

Summary of CLI Operational Mode Commands

The following sections explain each of the command-line interface (CLI) operational mode commands described in this book. The commands are organized alphabetically.

configure

Syntax	configure configure exclusive configure private
Release Information	Command introduced before JUNOS Release 7.4.
Description	Enter configuration mode.
Usage Guidelines	See “Entering and Exiting Configuration Mode” on page 80.
Required Privilege Level	configure

file

Syntax	file (archive checksum compare copy delete list rename show)
Release Information	Command introduced before JUNOS Release 7.4.
Description	Copy files to and from the router, compare files, or delete a file on a local router.
Usage Guidelines	See “Viewing Files and Directories” on page 61. See also the <i>JUNOS System Basics and Services Command Reference</i> .
Required Privilege Level	maintenance

help

Syntax	help < (apropos <i>string</i> reference < <i>statement-name</i> > syslog < <i>syslog-tag</i> > tip cli <i>number</i> topic < <i>word</i> >)>
Release Information	Command introduced before JUNOS Release 7.4. apropos option added in JUNOS 8.0.
Description	Display help about available operational commands, configuration statements, or general information about getting help.
Options	<p>apropos <i>string</i>—(Optional) Display command names and help text that matches the string specified. If the string contains spaces, enclose it in quotation marks (“ ”). You can also specify a regular expression for the string, using standard UNIX-style regular expression syntax.</p> <p>reference <<i>statement-name</i>>—(Optional) Display summary information for a configuration statement. This information is based on summary descriptions that appear in the JUNOS configuration guides.</p> <p>syslog <<i>syslog-tag</i>>—(Optional) Display information about system log messages.</p> <p>tip cli <i>number</i>—(Optional) Display a tip about using the CLI. Specify the number of the tip you want to view.</p> <p>topic <<i>word</i>>—(Optional) Display usage guidelines for a topic or configuration statement. This information is based on subjects that appear in the JUNOS configuration guides.</p> <p>Entering the help command without an option provides introductory information about how to use the help and ? commands.</p>
Usage Guidelines	See “Getting Online Help” on page 37.
Required Privilege Level	None

| (pipe)

Syntax | (compare | count | display (changed | commit-scripts | detail | display set | inheritance | omit | xml) | except *pattern* | find *pattern* | hold | last *lines* | match *pattern* | no-more | request message (all | *account@terminal*) resolve <full-names> | save *filename* | trim *columns*)

Release Information Command introduced before JUNOS Release 7.4.
display commit-scripts option added in JUNOS Release 7.4.

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.

- changed—Tag changes with junos:changed attribute (XML only).
- commit-scripts—(Configuration mode only) Display all statements that are in a configuration, including statements that were generated by transient changes. For more information, see the *JUNOS Configuration and Diagnostic Automation Guide*.
- detail—(Configuration mode only) Display configuration data detail.
- inheritance <brief | default | groups | terse>—(Configuration mode only) Display inherited configuration data and source group.
- omit—(Configuration mode only) Display configuration statements omitted by the apply-flags omit configuration statement. For more information, see “Omitting Portions of the Hierarchy When Displaying a Configuration” on page 96.
- set—Display the configuration as a series of configuration mode commands required to re-create the configuration.
- xml—(Operational mode only) Display the command output as JUNOScript (Extensible Markup Language [XML]) tags.

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 (“ ”).

last *lines*—Display the last number of lines you want to view from the end of the configuration.

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

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 System (DNS) names. Truncates to fit original size unless **full-names** is specified. To prevent the names from being truncated, use the **full-names** option.

request message (all | *account@terminal*)—Display command output on the terminal of a specific user logged in to your router, or on the terminals of all users logged in to your router.

save *filename*—Save the output to a file or URL. For information about specifying the filename, see “Specifying Filenames and URLs” on page 64.

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

Usage Guidelines See “Filtering Command Output” on page 135 and “Displaying the Current Configuration” on page 83.

quit

Syntax quit

Release Information Command introduced before JUNOS Release 7.4.

Description Exit from the CLI to a UNIX shell.

Required Privilege Level shell and maintenance

request

Syntax request <chassis | ipsec switch | message | mpls | routing-engine | security | services | system | flow-collector | support information>

Release Information Command introduced before JUNOS Release 7.4.

Description Stop or reboot router components, switch between primary and backup components, display messages, and display system information.

Usage Guidelines Most request commands are discussed in the *JUNOS System Basics and Services Command Reference*. The following request commands are discussed in the *JUNOS Interfaces Command Reference*: request ipsec switch and request services.

Required Privilege Level maintenance

restart

Syntax restart
 <adaptive-services | chassis-control | class-of-service | disk-monitoring |
 ecc-error-logging | firewall | interface-control | kernel-replication | l2tpd-service |
 mib-process | network-access-service | pgm | pic-services-logging | pppoe |
 remote-operations | routing <logical-router *logical-router-name*> | sampling |
 service-deployment | snmp | web-management>
 <gracefully | immediately | soft>

Release Information Command introduced before JUNOS Release 7.4.

Description Restart router software processes on all platforms (with the exception of routing matrixes and J-series Services Routers).

Usage Guidelines See the *JUNOS System Basics and Services Command Reference*.

Required Privilege Level reset

restart (Routing Matrix)

Syntax restart
 <adaptive-services | chassis-control | class-of-service | disk-monitoring |
 ecc-error-logging | firewall | interface-control | kernel-replication | l2tpd-service |
 link-management | mib-process | network-access-service | pgm | pic-services-logging |
 pppoe | remote-operations | routing <logical-router *logical-router-name*> | sampling |
 service-deployment | snmp | web-management>
 <all | all-lcc | lcc *number*>
 <gracefully | immediately | soft>

Release Information Command introduced before JUNOS Release 7.4.

Description Restart router software processes on a routing matrix.

Usage Guidelines See the *JUNOS System Basics and Services Command Reference*.

Required Privilege Level reset

restart (J-series Services Routers)

Syntax restart
 <adaptive-services | chassis-control | class-of-service | dhcp | firewall | interface-control
 | l2tpd-service | mib-process | network-access-service | pgm | pppoe | remote-operations
 | routing <logical-router *logical-router-name*> | sampling | service-deployment | snmp |
 usb-control | web-management>
 <gracefully | immediately | soft>

Release Information Command introduced before JUNOS Release 7.4.

Description Restart router software processes on J-series Services Routers.

Usage Guidelines See the *JUNOS System Basics and Services Command Reference*.

Required Privilege Level reset

set

Syntax set (chassis | cli | date)

Release Information Command introduced before JUNOS Release 7.4.

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

Usage Guidelines See "Controlling the CLI Environment" on page 145 and "Using the Comment Character #" on page 72. For information about setting chassis properties, see the *JUNOS System Basics and Services Command Reference*.

Required Privilege Level view

show

Syntax show (accounting | aps | arp | as-path | bfd | bgp | chassis | class-of-service | cli |
 configuration | connections | dvmrp | dynamic-tunnels | firewall | helper | host | igmp |
 ike | ilmi | interfaces | ipsec | ipv6 | isis | l2circuit | l2vpn | ldp | link-management | log |
 mld | mpls | msdp | multicast | ntp | ospf | ospf3 | passive-monitoring | pfe | pgm | pim |
 policer | policy | pppoe | rip | ripng | route | rsvp | sap | services | snmp |
 ssh-known-hosts | system | task | ted | version | vpls | vrrp)

Release Information Command introduced before JUNOS Release 7.4.

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

Usage Guidelines Most show commands are discussed in the *JUNOS System Basics and Services Command Reference*. The following show commands are discussed in the *JUNOS Interfaces Command Reference*: show aps, show ike, show ilmi, show interfaces, show ipsec, show passive-monitoring, show pppoe, show services, and show vrrp.

Required Privilege Level Depends on the specific command.