

PIPE Command

> <i>show interface terse</i>	Equivalent to show ip interface brief command from the Cisco
> <i>show interface terse match ge-0/0/1</i>	Equivalent to show run interface include 0/1 command from the Cisco
> <i>show interface terse except ge-0/0/1</i>	Equivalent to show run interface exclude 0/1 command from the Cisco
> <i>show interface terse find ge-0/0/1</i>	Equivalent to show run interface begin 0/1 command from the Cisco
> <i>show interface terse count</i>	Counts the total number of lines
> <i>show interface terse no-more</i>	Prevents the output from being paginated

SET Command

Use the set command to add or change configuration statements; Set command creates configuration statements, or changes them if they already exist

```
# set system host-name LAB-SRX-XXXX
```

```
# set interface so-0/0/0 unit 0 family inet address 1.1.1.1/24
```

DELETE command

Removes configuration statements

```
# delete system host-name LAB-SRX-XXXX
```

```
# delete interface so-0/0/0 unit
```

SHOW Command

Shows the candidate config within the config mode.

```
# show interfaces – Shows the interfaces section of the config
```

Shows state of the component from operational mode

```
> show interfaces – Shows the state of the interfaces on the router
```

RUN Command

Executes the operational mode CLI commands from the configuration mode

```
# run show interface ge-0/0/0
```

```
# run show bgp sum
```

TOP Command

Moves to top of the hierarchy, like Unix cd / command

```
# top
```

UP Command

Moves up one level in edit hierarchy

Like a Unix cd ..

```
# up
```

COPY, RENAME and REPLACE Command

# <i>copy interfaces fe-0/0/1 to fe-0/0/2</i>	Creates new interface fe-0/0/2 with similar properties to fe-0/0/1; Copy configuration statements
# <i>rename interface fxp0 unit00 family inet address 1.1.1.1/24 to address 2.2.2.2/24</i>	Changes IP address from 1.1.1.1 to 2.2.2.2; Rename parameters
# <i>replace pattern "SRX100" with "SRX210"</i>	Replace parameters across the entire configuration

SAVE Command

```
# save <filename> Saves the configuration to an ASCII file to the home directory /var/home/username
```

COMMIT Commands

# commit check	Checks uncommitted changes against the parser errors and returns failure or success; Highly recommended before activating changes using the commit command
# commit	Applies uncommitted changes to the active running configuration
# commit and-quit	Commits changes and exits back to operational mode
# commit at	schedules a commit for a later time and date e.g. commit at 23:00
# commit confirmed	Commits changes but automatically rolls them back if another commit is not used; By default, the configuration runs for 10 minutes before the rollback. Requires another commit to save the changes permanently
# commit display detail	Watch each step of the commit operation; useful to debug failed commit

ROLLBACK Commands

# rollback ?	Displays the list of previously committed configuration that are saved
# rollback or rollback 0	Resets the candidate configuration to the currently running configuration, which is the last version committed.
# rollback 2	Loads the configuration part of rollback 2

Configuration File Differences

# show compare rollback <#>	Show differences between candidate config file and rollback config
# show compare user.conf	Show differences between candidate config file and user.conf file

FILE Commands

> file list /var/tmp	Displays a list of all files for the current directory
> file list detail /var/tmp/ match junos	Displays detailed list output for the matched file
> file show /config/rescue.conf.gz	Displays the contents of a file.
> file compare files /config/juniper.conf.gz /config/rescue.conf.gz	Compares two local files and describe the differences between them
> file copy server1:/tmp//router-base-conf /var/tmp/juniper.conf.gz	Copies files from one location to another location on the local device or to a location on a remote device
> file delete /var/tmp/juniper.conf.gz	Deletes file on the local device

LOAD Commands

> load override router-base-configuration	The override option with the load command replaces the entire candidate configuration with the contents of the file you are loading
> load merge terminal	Loads config directly to router terminal
> load merge /var/tmp/config-user	Merges the new "config-user" config to existing candidate config
> load replace /var/tmp/ config-user	Replaces existing statement in current configuration

HELP Command

> <i>help apropos route</i>	Shows all command that has route keyword
> <i>help tip cli</i>	Displays random tips on cli
> <i>help reference ospf area</i>	Displays some background info on ospf area (similar to man command in Linux)
> <i>help topic</i>	Displays usage guidelines for configuration statements.
> <i>help syslog</i>	Displays information on specific syslog events

SYSTEM MONITORING Commands

> <i>show system processes extensive</i>	Shows the CPU utilization on the device and lists the processes in order of CPU utilization
> <i>show system memory</i>	Display system-wide memory distribution and usage including the Junos OS kernel, software processes, and memory disks.
> <i>show system statistics</i>	Shows protocol statistics related to device; Very useful command
> <i>show system storage</i>	Displays statistics about the amount of free disk space in the device's file systems.
> <i>show system uptime</i>	Displays the current time and information about how long the device or software have been running
> <i>show system license</i>	Displays licenses and information about how they are used.
> <i>show system software</i> > <i>show version</i>	Displays the software version running on the device
> <i>show system users</i>	Lists information about the users who are currently logged in to the device
> <i>request system logout user <USER></i>	Forcefully logs-out the requested user

HARDWARE MONITORING Commands

> <i>show chassis environment</i>	Shows environmental related / temperature related info for the device
> <i>show chassis hardware</i>	Shows hardware related info and serial numbers of the device
> <i>show chassis route-engine</i>	Shows memory, CPU, RE temperature related info of the device
> <i>show chassis mac-addresses</i>	Displays base mac-address of the device

SYSTEM SHUTDOWN Commands

> <i>request system halt</i>	Shuts down the software and gracefully terminates process; NOTE: Device won't go down but software does
> <i>request system power-off</i>	Powers-off the software on RE
> <i>request system reboot</i>	Reloads the software on a device