

Chapter 13

Summary of CLI Environment Commands

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

set cli complete-on-space

Syntax	set cli complete-on-space (off on)
Release Information	Command introduced before JUNOS Release 7.4.
Description	Set the CLI to complete a partial command entry when you type a space or a tab. This is the default behavior of the CLI.
Options	off—Turn off command completion. on—Allow either a space or a tab to be used for command completion.
Sample Output	In the following example, pressing the Spacebar changes the partial command entry from <code>com</code> to <code>complete-on-space</code> . The example shows how adding the keyword <code>off</code> at the end of the command disables command completion. user@host> set cli com<Space> user@host>set cli complete-on-space off Disabling complete-on-space
Usage Guidelines	“Setting Command Completion” on page 147
Required Privilege Level	view

set cli directory

Syntax	set cli directory <i>directory</i>
Release Information	Command introduced before JUNOS Release 7.4.
Description	Set the current working directory.
Options	<i>directory</i> —Pathname of the working directory.
Sample Output	user@host> set cli directory /var/home/regress Current directory: /var/home/regress
Usage Guidelines	“Setting the CLI Directory” on page 146
Required Privilege Level	view

set cli idle-timeout

Syntax	set cli idle-timeout < <i>minutes</i> >
Release Information	Command introduced before JUNOS Release 7.4.
Description	Set the maximum time that an individual session can be idle before the user is logged off the router.
Options	<i>minutes</i> —(Optional) Maximum idle time. The range of values, in minutes, is 0 through 100,000. If you do not issue this command, and the user’s login class does not specify this value, the user is never forced off the system after extended idle times. Setting the value to 0 disables the timeout.
Sample Output	user@host> set cli idle-timeout 60 Idle timeout set to 60 minutes
Usage Guidelines	“Setting the Idle Timeout” on page 147
Required Privilege Level	view

set cli prompt

Syntax	set cli prompt <i>string</i>
Release Information	Command introduced before JUNOS Release 7.4.
Description	Set the prompt so that it is displayed within the CLI.
Options	<i>string</i> —CLI prompt string. To include spaces in the prompt, enclose the string in quotation marks. By default, the string is <i>username@hostname</i> .
Sample Output	<pre>user@host> set cli prompt lab1-router> lab1-router></pre>
Usage Guidelines	See “Setting the CLI Prompt” on page 146.
Required Privilege Level	view

set cli restart-on-upgrade

Syntax	set cli restart-on-upgrade string (off on)
Release Information	Command introduced before JUNOS Release 7.4.
Description	For an individual session, set the CLI to prompt you to restart the router after upgrading the software.
Options	<p>off—Disables the prompt.</p> <p>on—Enables the prompt.</p>
Sample Output	<pre>user@host> set cli restart-on-upgrade on Enabling restart-on-upgrade</pre>
Usage Guidelines	See “Setting the CLI to Prompt After a Software Upgrade” on page 147.
Required Privilege Level	view

set cli screen-length

Syntax	set cli screen-length <i>length</i>
Release Information	Command introduced before JUNOS Release 7.4.
Description	Set terminal screen length.
Options	<p><i>length</i>—Number of lines of text that the terminal screen displays. The range of values, in number of lines, is 24 through 100,000. The default is 24.</p> <p>The point at which the <code>-(more)-</code> prompt appears on the screen is a function of this setting and the settings for the <code>set cli screen-width</code> and <code>set cli terminal</code> commands.</p>
See Also	<p>set cli screen-width on page 196</p> <p>set cli terminal on page 197</p> <p>show cli on page 198</p>
Sample Output	<pre>user@host> set cli screen-length 75 Screen length set to 75</pre>
Usage Guidelines	See “Setting the Screen Length” on page 146.
Required Privilege Level	view

set cli screen-width

Syntax	set cli screen-width <i>width</i>
Release Information	Command introduced before JUNOS Release 7.4.
Description	Set the terminal screen width.
Options	<p><i>width</i>—Number of characters in a line. The range of values is 80 through 100,000. The default is 80.</p> <p>The point at which the <code>-(more)-</code> prompt appears on the screen is a function of this setting and the settings for the <code>set cli screen-length</code> and <code>set cli terminal</code> commands.</p>
See Also	<p>set cli screen-length on page 196</p> <p>set cli terminal on page 197</p> <p>show cli on page 198</p>
Sample Output	<pre>user@host> set cli screen-width Screen width set to 132</pre>
Usage Guidelines	See “Setting the Screen Width” on page 146.
Required Privilege Level	view

set cli terminal

Syntax	set cli terminal <i>terminal-type</i>
Release Information	Command introduced before JUNOS Release 7.4.
Description	Set the terminal type.
Options	<p><i>terminal-type</i>—Type of terminal that is connected to the Ethernet management port:</p> <ul style="list-style-type: none"> ■ ansi—ANSI-compatible terminal (80 characters by 24 lines) ■ small-xterm—Small xterm window (80 characters by 24 lines) ■ vt100—VT100-compatible terminal (80 characters by 24 lines) ■ xterm—Large xterm window (80 characters by 65 lines)
Sample Output	user@host> set cli terminal xterm
Usage Guidelines	See “Setting the Terminal Type” on page 146.
Required Privilege Level	view

set cli timestamp

Syntax	set cli timestamp (format <i>timestamp-format</i> disable)
Release Information	Command introduced before JUNOS Release 7.4.
Description	Set a timestamp for CLI output.
Options	<p>format <i>timestamp-format</i>—Set the data and time format for the timestamp. The timestamp format you specify can include the following placeholders in any order:</p> <ul style="list-style-type: none"> ■ %m—Two-digit month ■ %d—Two-digit date ■ %T—Six-digit hour, minute, and seconds <p>Enclose the format in single quotation marks ('). Do not use spaces. Use a hyphen (-) or similar character to separate placeholders.</p> <p>disable—Remove the timestamp from the CLI.</p>
Sample Output	<pre>user@host> set cli timestamp format '%m-%d-%T' '04-21-17:39:13' CLI timestamp set to: '%m-%d-%T'</pre>
Usage Guidelines	See “Setting the CLI Timestamp” on page 147.
Required Privilege Level	view

set date

Syntax set date (*date-time* | ntp <*ntp-server*> <source-address *source-address*>)

Release Information Command introduced before JUNOS Release 7.4.

Description Set the data and time.

Options *date-time*—Date and time. Enter this string inside quotation marks.

ntp—Use a Network Time Protocol (NTP) server to synchronize the current date and time setting on the router.

ntp-server—(Optional) Specify the IP address of one or more NTP servers.

source-address source-address—(Optional) Specify the source address that is used by the router to contact the remote NTP server.

Sample Output user@host> set date ntp
21 Apr 17:22:02 ntpdate[3867]: step time server 172.17.27.46 offset 8.759252 sec

Required Privilege Level view

show cli

Syntax show cli

Release Information Command introduced before JUNOS Release 7.4.

Description Display configured CLI settings.

Sample Output user@host> show cli
CLI complete-on-space set to on
CLI idle-timeout disabled
CLI restart-on-upgrade set to on
CLI screen-length set to 47
CLI screen-width set to 132
CLI terminal is 'vt100'
CLI is operating in enhanced mode
CLI timestamp disabled
CLI working directory is '/var/home/regress'

Required Privilege Level view

show cli authorization

Syntax show cli authorization

Release Information Command introduced before JUNOS Release 7.4.

Description Display the permissions for the current user.

Sample Output

```

user@host> show cli authorization
Current user: 'root' login: 'boojum' class '(root)'
Permissions:
  admin                -- Can view user accounts
  admin-control        -- Can modify user accounts
  clear                -- Can clear learned network information
  configure            -- Can enter configuration mode
  control              -- Can modify any config
  edit                 -- Can edit full files
  field                -- Special for field (debug) support
  floppy               -- Can read and write from the floppy
  interface            -- Can view interface config
  interface-control    -- Can modify interface config
  network              -- Can access the network
  reset                -- Can reset/restart interfaces and daemons
  routing              -- Can view routing config
  routing-control      -- Can modify routing config
  shell                -- Can start a local shell
  snmp                 -- Can view SNMP config
  snmp-control         -- Can modify SNMP config
  system              -- Can view system config
  system-control      -- Can modify system config
  trace                -- Can view trace file settings
  trace-control        -- Can modify trace file settings
  view                 -- Can view current values and statistics
  maintenance         -- Can become the super-user
  firewall             -- Can view firewall config
  firewall-control     -- Can modify firewall config
  secret              -- Can view secret config
  secret-control       -- Can modify secret config

```

Required Privilege Level view

show cli directory

Syntax show cli directory

Release Information Command introduced before JUNOS Release 7.4.

Description Display the current working directory.

Sample Output

```

user@host> show cli directory
Current directory: /var/home/regress

```

Required Privilege Level view

show cli history

Syntax	show cli history <i><count></i>
Release Information	Command introduced before JUNOS Release 7.4.
Description	Display a list of previous CLI commands.
Options	none—Display all previous CLI commands. <i>count</i> —(Optional) Maximum number of commands to display.
Sample Output	<pre>user@host> show cli history 11:14:14 -- show arp 11:22:10 -- show cli authorization 11:27:12 -- show cli history</pre>
Usage Guidelines	See “Displaying CLI Command History” on page 36.
Required Privilege Level	view