

## Chapter 9

# Summary of CLI Environment Commands

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

### set cli complete-on-space

---

<b>Syntax</b>	set cli complete-on-space (off   on);
<b>Description</b>	Configure the keys to use for command completion.
<b>Default</b>	When you type a space or tab, the CLI performs command completion.
<b>Options</b>	off—Allow only a tab to be used for command completion. on—Allow either a space or a tab to be used for command completion.
<b>Sample Output</b>	<pre>user@host&gt; set cli com&lt;Space&gt; user@host&gt; set cli complete-on-space off user@host&gt; set cli com&lt;Tab&gt; user@host&gt; set cli complete-on-space on user@host&gt;</pre>
<b>Usage Guidelines</b>	See “Set Command Completion” on page 151.
<b>Required Privilege Level</b>	view

## set cli idle-timeout

---

<b>Syntax</b>	set cli idle-timeout < <i>minutes</i> >
<b>Description</b>	Set the maximum time that an individual session can be idle before the user is logged off the router. The session times out after remaining at the CLI operational mode prompt for the specified time. The session can time out while monitoring log files.
<b>Default</b>	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.
<b>Options</b>	<i>minutes</i> —Maximum idle time. <b>Range:</b> 0 through 100,000 minutes. Setting it to 0 disables the timeout.
<b>Usage Guidelines</b>	See “Set the Idle Timeout” on page 150.
<b>Required Privilege Level</b>	view
<b>See Also</b>	idle-timeout on page 457

## set cli prompt

---

<b>Syntax</b>	set cli prompt <i>string</i>
<b>Description</b>	Set the prompt to display within the CLI.
<b>Default</b>	user@host>
<b>Options</b>	<i>string</i> —CLI prompt. To include spaces in the prompt, enclose the string in quotation marks.
<b>Sample Output</b>	user@host> set cli prompt "cli% " cli%
<b>Usage Guidelines</b>	See “Set the CLI Prompt” on page 150.
<b>Required Privilege Level</b>	view

## set cli restart-on-upgrade

---

<b>Syntax</b>	set cli restart-on-upgrade (off   on)
<b>Description</b>	For an individual session, set the CLI to prompt you to restart the router after upgrading the software.
<b>Default</b>	The CLI prompts you to restart, unless the screen length has been set to 0.
<b>Options</b>	off—Disables the prompt. on—Enables the prompt.
<b>Usage Guidelines</b>	See “Set the CLI to Prompt after a Software Upgrade” on page 151.
<b>Required Privilege Level</b>	view

## set cli screen-length

---

<b>Syntax</b>	set cli screen-length <i>lines</i>
<b>Description</b>	Set the number of lines of text that the screen can display.
<b>Options</b>	<i>lines</i> —Number of lines on the screen. <b>Range:</b> 0 through 100,000 columns <b>Default:</b> 24 lines
<b>Sample Output</b>	<pre>user@host&gt; set cli screen-length 66 Screen length is set to 66 user@host&gt;</pre>
<b>Usage Guidelines</b>	See “Set the Screen Length” on page 150.
<b>Required Privilege Level</b>	view

## set cli screen-width

---

<b>Syntax</b>	set cli screen-width <i>width</i>
<b>Description</b>	Set the number of characters that the screen can display on a single line.
<b>Options</b>	<i>width</i> —Number of columns on the screen. <b>Range:</b> 0 through 100,000 columns <b>Default:</b> 80 columns
<b>Sample Output</b>	<pre>user@host&gt; set cli screen-width 40 Screen width set to 40 user@host&gt;</pre>
<b>Usage Guidelines</b>	See “Set the CLI Prompt” on page 150.
<b>Required Privilege Level</b>	view

## set cli terminal

---

<b>Syntax</b>	set cli terminal <i>terminal-type</i>
<b>Description</b>	Set the terminal type.
<b>Options</b>	<i>terminal-type</i> —Type of terminal that is connected to the port. <b>Values:</b> ansi, vt100, small-xterm, xterm <b>Default:</b> The terminal type is unknown.
<b>Usage Guidelines</b>	See “Set the Terminal Type” on page 150.
<b>Required Privilege Level</b>	view

## set date

---

<b>Syntax</b>	set date <i>YYYYMMDDhhmm.ss</i>
<b>Description</b>	Set the current date and time on the router.
<b>Options</b>	<i>YYYYMMDDhhmm.ss</i> —Date and time to set. <i>YYYY</i> is the four-digit year, <i>MM</i> is the two-digit month, <i>DD</i> is the two-digit date, <i>hh</i> is the two-digit hour, <i>mm</i> is the two-digit minute, and <i>ss</i> is the two-digit second. At a minimum, you must specify the two-digit minute. All other parts of the date and time are optional.
<b>Usage Guidelines</b>	See “Set the Current Date and Time” on page 147.
<b>Required Privilege Level</b>	view
<b>See Also</b>	ntp on page 463, time-zone on page 481

## set date ntp

---

<b>Syntax</b>	set date ntp <ntp-server>
<b>Description</b>	Use an NTP server to synchronize the current date and time setting on the router.  You do not need to reboot the router when you use the set date ntp command.
<b>Options</b>	none—Uses the system NTP server list.  <i>ntp-server</i> —IP address of one or more NTP servers to query. When querying more than one server, the IP addresses are enclosed in quotes using the format " <i>ip-address ip-address</i> ", for example, "200.49.40.1 129.127.28.4".
<b>Usage Guidelines</b>	See "Set the Date and Time from NTP Servers" on page 147.
<b>Required Privilege Level</b>	view
<b>Sample Output: set date ntp (to query one server)</b>	user@host> <b>set date ntp 172.17.12.9</b> 14 Sep 22:00:50 ntpdate[20603]: step time server 172.17.12.9 offset 0.000461 sec
<b>Sample Output: set date ntp (to query two servers)</b>	user@host> <b>set date ntp "200.49.40.1 129.127.28.4"</b> 10 Feb 13:50:21 ntpdate[794]: step time server 129.127.28.4 offset 0.000163 sec

## set date ntp source-address

---

<b>Syntax</b>	set date ntp source-address <i>source-address</i>
<b>Description</b>	Specify a source address that is used by the JUNOS software to contact the remote NTP sever.
<b>Options</b>	<i>source-address</i> —A valid IP address configured on one of the router interfaces.
<b>Usage Guidelines</b>	See "Set the Source Address to Contact the NTP Server" on page 148.
<b>Required Privilege Level</b>	view
<b>See Also</b>	source-address on page 474

## show cli

---

<b>Syntax</b>	show cli
<b>Description</b>	Display information about how the CLI environment is configured.
<b>Sample Output</b>	<pre>user@host&gt; show cli CLI screen length set to 60 CLI screen width set to 80 CLI complete-on-space set to on user@host&gt;</pre>
<b>Usage Guidelines</b>	See “Display CLI Settings” on page 151.
<b>Required Privilege Level</b>	view

## show cli history

---

<b>Syntax</b>	show cli history <count>
<b>Description</b>	<p>List recent commands that you issued in the CLI and the time they were issued.</p> <p>If you issue the run show cli history command from configuration mode, the command lists the most recent configuration mode commands that you issued and the time they were issued.</p>
<b>Options</b>	<p><i>count</i>—(Optional) Number of recent commands to display.</p> <p><b>Range:</b> 0 through 65,535</p> <p><b>Default:</b> 100</p>
<b>Sample Output</b>	<pre>user@host&gt; show cli history 12:33:39 -- configure 12:42:52 -- show cli history 12:43:02 -- show interfaces terse 12:43:14 -- show interfaces lo0 12:43:20 -- show bgp 12:43:28 -- show bgp next-hop-database 12:43:32 -- show cli history user@host&gt; configure ... [edit] user@host# run show cli history 12:40:08 -- show 12:40:17 -- edit protocols 12:40:27 -- set isis 12:40:29 -- edit isis 12:40:40 -- run show cli history [edit protocols isis] user@host#</pre>
<b>Usage Guidelines</b>	See “Display CLI Command History” on page 148 and “Display Configuration Mode Command History” on page 194.
<b>Required Privilege Level</b>	view