

# juniper

**Library scope:** global  
**Named arguments:** supported

## Introduction

Provides keywords for Juniper platform

**Notes:** Ignore the *self* parameters when using those keywords.

## Shortcuts

Copy Config · Copy File · Create Best Path Select Data · Disable Interface · Enable Interface · Flap Interface · Get Chassis Serial · Get Cli Mode · Get Config · Get Current Datetime · Get File · Get Intf Addr · Get Route Number · Get Version · Link Status · Load Config · Number Of Bgp Neighbor · Number Of Ospf Neighbor · Number Of Ospf3 Neighbor · Push Config

## Keywords

Keyword	Arguments	Documentation
Copy Config	<i>self, dst_name=None</i>	Gets the configuration file of the router  This keyword directly copy the configuration file from the router
Copy File	<i>self, src_path, filename=None, pre_config=None, pos_config=None</i>	Copies a file from router  Parameters: <ul style="list-style-type: none"><li>▪ <i>src_path</i>: a absolute path insides the router</li><li>▪ <i>filename</i>: a file name under <code>result</code> folder</li></ul>
Create Best Path Select Data	<i>self, route_content, output_excel=best.xlsx</i>	Creates the matrix of best path selection  Provides the test described in <i>smb://10.128.3.91/SharePoint01/31_VerificationRoom/31_13_検証環境セット/BGP-Best-Path-SelectionのAll-in-One設定_20161118改良/</i> The test uses predefined Ixia config and follows predefined steps
Disable Interface	<i>self, intf</i>	Disables an interface <code>intf</code>
Enable Interface	<i>self, intf</i>	Enables an interface <code>intf</code>
Flap Interface	<i>self, intf, time_str=10s</i>	Simulates an interface flap for interface <code>intf</code>  Disables the interface and wait for a while before turning it up again
Get Chassis Serial	<i>self</i>	Returns the serial number of the chassis
Get Cli Mode	<i>self</i>	Returns current mode of the CLI.  Return value is <code>config</code> for configuration mode or <code>command</code> for command mode
Get Config	<i>self, dst_name=None</i>	Gets the current configuration file of the router to current <code>result</code> folder.  Default <code>dst_name</code> is <code>juniper.conf.gz</code> This keyword push the configuration from <b>FROM</b> the router to the RENAT server
Get Current Datetime	<i>self, time_format=%H:%M:%S, delta_time=0s, dir=+, **kwargs</i>	Returns the current date time with vendor format <code>delta_time</code> will be added or subtracted to current time, default is <code>0s</code>  <code>time_format</code> decides the time part of the output. Example result are : <div>May 24 04:14:25 May 4 04:14:25</div> <b>Note:</b> The date part is padded by space, and the result is allways 15 characters
Get File	<i>self, src_file, dst_file=None</i>	Gets a file from router  Parameters: <ul style="list-style-type: none"><li>▪ <i>src_file</i>: a absolute path insides the router</li><li>▪ <i>dst_file</i>: a file name under <code>result</code> folder</li></ul> if <i>dst_file</i> is not defined, it will be the filename of the <i>src_file</i> .  The keyword copy the specific file <b>FROM</b> the router to the RENAT server
Get Intf Addr	<i>self, intf_name, family=inet</i>	Returns the tuple of address and netmask of an interface  <code>family</code> should be <code>inet</code> or <code>inet6</code> If the address is not set, <code>(",")</code> will be returned.
Get Route Number	<i>self, table=inet.0</i>	Returns number of active route in the <code>table</code>  <code>table</code> could be <code>inet.0</code> or <code>inet.6</code>
Get Version	<i>self</i>	Returns router version information

<b>Link Status</b>	<i>self, if_name</i>	Returns link physical status as string (aka: "up down", "up up")
<b>Load Config</b>	<i>self, mode=set, config_file=, confirm=0s, vars=, err_match=(error:unknown command:)</i>	<p>Loads configuration to a router. Usable mode is <code>set</code>, <code>override</code>, <code>merge</code> and <code>replace</code>. <code>set</code> mode uses configuration that contains <code>set</code> command. Mode <code>override</code>, <code>merge</code> and <code>replace</code> use ordinary JunOS configuration file with appropriate mode. <code>config_file</code> is a configuration file inside the <code>config</code> folder of the current test case.</p> <p>Config file could includes jinja2 template. The template will be evaluated with <code>LOCAL</code>, <code>GLOBAL</code> and variables defined by <code>vars</code>. The <code>vars</code> has the format: <code>var1=value1,var2=value2 ...</code></p> <p>If the loading has no error that match the <code>error_match</code>, the configuration will be committed.</p> <p>The keywordl waits for <code>confirm</code> seconds before rollback the committed configuration. A zero value indicates an immediatly commit</p>
<b>Number Of Bgp Neighbor</b>	<i>self, state=Established, cmd=show bgp neighbor   match "Type"</i>	Returns number of BGP neighbor in <code>state</code> state
<b>Number Of Ospf Neighbor</b>	<i>self, state=Full, cmd=show ospf neighbor</i>	Returns number of OPSF neighbors with status <code>state</code>
<b>Number Of Ospf3 Neighbor</b>	<i>self, state=Full, cmd=show ospf3 neighbor</i>	Returns number of OPSFv3 neighbors with status <code>state</code>
<b>Push Config</b>	<i>self, mode=set, config_file=, pre_config=None, pos_config=None, confirm=0s, vars=, err_match=(error:unknown command:)</i>	<p>Pushes configuration directly to the router</p> <p>Usable mode is <code>set</code>, <code>override</code>, <code>merge</code> and <code>replace</code></p> <p><code>set</code> mode uses configuration that contains <code>set</code> command. Mode <code>override</code>, <code>merge</code> and <code>replace</code> use ordinary JunOS configuration file with appropriate mode. <code>config_file</code> is a configuration file inside the <code>config</code> folder of the current test case.</p> <p>Config file could includes jinja2 template. The template will be evaluated with <code>LOCAL</code>, <code>GLOBAL</code> and variables defined by <code>vars</code>. The <code>vars</code> has the format: <code>var1=value1,var2=value2 ...</code></p> <p>If the loading has no error that match the <code>error_match</code>, the configuration will be committed.</p> <p>The keywordl waits for <code>confirm</code> seconds before rollback the committed configuration. A zero value indicates an immediatly commit</p> <p><code>pre_config</code> and <code>pos_config</code> is extra configuration commands separated by <code>;</code> that would be excuted before and after the configuration is loaded. It could be used to add extra firewall rules to the router.</p> <p><b>Note:</b> by default the keyword will activate the SSH service on the router if the service is not activated and disable the service after loading the configuration.</p>

Altogether 20 keywords.

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