

# juniper

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

## Introduction

Provides keywords for Juniper platform

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

## Shortcuts

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

## Keywords

Keyword	Arguments	Documentation
Create Best Path Select Data	<i>self</i> , <i>route_content</i> , <i>output_excel=best.xlsx</i>	Creates the matrix of best path selection  Provides the test described in <a href="smb://10.128.3.91/SharePoint01/31_VerificationRoom/31_13_/BGP-Best-Path-Selection All-in-One _20161118">smb://10.128.3.91/SharePoint01/31_VerificationRoom/31_13_/BGP-Best-Path-Selection All-in-One _20161118</a> / The test uses predefined Ixia config and follows predefined steps
Disable Interface	<i>self</i> , <i>intf</i>	Disables an interface <i>intf</i>
Enable Interface	<i>self</i> , <i>intf</i>	Enables an interface <i>intf</i>
Flap Interface	<i>self</i> , <i>intf</i> , <i>time_str=10s</i>	Simulates an interface flap for interface <i>intf</i>  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</i> , <i>dst_name=</i>	Gets the current configuration file of the router to current <code>result</code> folder. Wait for <i>str_timeout</i> to finish the download, default <i>str_timeout</i> is 10 seconds. Increases this value if the config file is large.  Default <i>dst_name</i> is <code>juniper.conf.gz</code>
Get Current Datetime	<i>self</i> , <i>time_format=%H:%M:%S</i> , <i>delta_time=0s</i> , <i>dir=+</i> , <i>**kwargs</i>	Returns the current date time with vendor format <i>delta_time</i> will be added or subtracted to current time, default is <code>0s</code>  <i>time_format</i> 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</i> , <i>src_file</i> , <i>dst_file=</i>	Gets a file from router <ul style="list-style-type: none"><li><i>src_file</i> is a absolute path insides the router</li><li><i>dst_file</i> is a file name under <code>result</code> folder</li></ul>
Get Intf Addr	<i>self</i> , <i>intf_name</i> , <i>family=inet</i>	Returns the tuple of address and netmask of an interface  <i>family</i> 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</i> , <i>table=inet.0</i>	Returns number of active route in the <i>table</i>  <i>table</i> could be <code>inet.0</code> or <code>inet.6</code>
Get Version	<i>self</i>	Returns router version information
Link Status	<i>self</i> , <i>if_name</i>	Returns link physical status as string (aka: "up down", "up up")
Load Config	<i>self</i> , <i>mode=set</i> , <i>config_file=</i> , <i>confirm=0s</i> , <i>vars=</i> , <i>err_match=( syntax   error )</i>	Loads configuration to a router. Usable <i>mode</i> 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. <i>config_file</i> is a configuration file inside the <code>config</code> folder of the current test case.  Config file could includes jinja2 template. The template will be evaluated with <i>LOCAL</i> , <i>GLOBAL</i> and variables defined by <i>vars</i> . The <i>vars</i> has the format: <i>var1=value1,var2=value2</i> ...  If the loading has no error that match the <i>error_match</i> , the configuration will be committed.  The keywordl waits for <i>confirm</i> seconds before rollback the committed configuration. A zero value indicates an immediatly commit

<b>Number Of Bgp Neighbor</b>	<i>self, state=Established</i>	Returns number of BGP neighbor in <code>state</code> <code>state</code>
<b>Number Of Ospf Neighbor</b>	<i>self, state=Full</i>	Returns number of OPSF neighbors with status <code>state</code>
<b>Number Of Ospf3 Neighbor</b>	<i>self, state=Full</i>	Returns number of OPSFv3 neighbors with status <code>state</code>

