# Common

Library version:RENAT 0.1.13Library scope:globalNamed arguments:supported

#### Introduction

Common library for RENAT

It loads config files and create necessary varibles. The file should be the 1st library included from any test case.

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# Configuration file

## Global configuration

There are 2 important configuration files. The global configuration files (aka master files) include device information, authentication etc that are used for all the test cases in the suite. The local configuration file local.yaml includes information about nodes, tester ports etc. that are used in a specific test case.

At the beginning, the module makes a local copy the master files and initialize necessary variables.

The RENAT framework utilized the YAML format for its configurations file.

The master files folder is defined by renat-master-folder in \$RENAT\_PATH/config/config.yaml. Usually, users do not need to modify the master files. The most common case is when new device is deployed, the device.yaml need to be update so that device could be used in the test cases.

#### 1. device.yaml: contains global device information

Each device information is store under device block and has the following format:

```
<node_name>
type: <device type>
description: <any useful description>
ip: <the IPv4 address of the device
```

Where <node\_name> is the name of the device. It could be the name of a switch, router or a web appliance box and should be uniq between the devices. <description> is any useful information and <ip> is the IP that RENAT uses to access the device.

<type> is important because it will be used as a key of the <a href="access\_template">access\_template</a> in template file. Usually users do not need to invent a new type but should use the existed type. When a new platform need to be supported, a new type will be introduced with the correspon template and authentication information.

#### Examples

```
device:
  apollo:
    type: ssh-host
    description: main server
    ip: 10.128.3.101
  artermis:
    type: ssh-host
    description: second server
    ip: 10.128.3.91
  vmx11:
    type: juniper
    description: r1
    ip: 10.128.64.11
  vmx12:
    type: juniper
    description: r2
    ip: 10.128.64.12
```

#### 2. template.yaml: contains device template information

The template file contains information about how to access to the device and how it should polling information (SNMP only for now). Each template has the following format:

Note: Becareful about the prompt field. Usually RENAT will wait until it could see the prompt in its output. A wrong prompt will halt the system until it is timed out.

#### Examples:

```
access-template:
# template for an oridnary UNIX server access by SSH
ssh-host:
access: ssh
auth: public-key
```

```
profile: default
    prompt: \$
    append:
    init: unalias -a
  # template for a Juniper router
  iuniper:
    access: telnet
    auth: plain-text
    profile: default
    prompt: "(#|>) '
    append: ' | no-more'
  # template for a Cisco router
  cisco:
    access: ssh
    auth: plain-text
    profile: default
    prompt: "\@.*(#|>) "
    append:
 # template for a Juniper router access through a SmartCS console server
 jump-smartcs:
    access: jump
    access_base: telnet
   auth: plain-text
   profile: default
   prompt: "tty.*> '
    password_prompt: "Password:"
   target: juniper
snmp-template:
   juniper:
      mib: ./mib-Juniper.json
      community: public
      poller: renat
    cisco:
      mib: ./mib-Cisco.json
      community: public
```

#### 3. auth.yaml: contains authentication information

The file contains authentication information that system uses when access to a device. Each authencation type has follwing format:

Where <profile> is the name of the authentication profile specificed in the access template of the device

Example:

```
auth:
  plain-text:
    default:
      user: user
      pass: xxxxxx
    flets:
      user: user
      pass: xxxxxx
    arbor:
      user: admin
      pass: xxxxxx
  public-key: # for Public Key authentication
    default:
       user: robot
       key: /home/user/.ssh/robot_id_rsa
    test:
      user: jenkins
      key: /var/lib/jenkins/.ssh/id_rsa
```

## **Local Configuration**

Local configuration (aka local.yaml) was used by a test case of its sub test cases. Test cases could includes several test cases (the sub level is not limited). The local configuration is defined by local.yaml in the config folder of each test case. If a test case does not has the local.yaml in its config folder, it will use the local.yaml file in its parent test case and so on. This will help users to share the test information for related test case without having the same local.yaml for each test case (**Note:** this feature is enabled from RENAT 0.1.4). The local.yaml that is really used for the test is called active local.yaml.

When user used the wizard item.sh to create a new test case, they have the ability to crete new local.yaml or not. local.yaml could be edited and inserted new information later to hold more informations for the test case.

When a test is run, it will display its current active local.yaml

The local configuration file of each test item is stored in the config folder of the item as `local.yaml

Usually the local.yaml has following parts:

■ CLI node information: started by node keyword

- WEB node information: started by webapp keyword
- Tester device information: started by tester keyword
- Default information: automatically created and started by default keyword
- And other neccessary information for the test by yaml format

#### Example:

```
# CLI node
node:
  vmx11:
    device: vmx11
    snmp_polling: yes
  vmx12:
    device: vmx11
    snmp_polling: yes
  apollo:
    device: vmx11
    snmp_polling: yes
# web application information
webapp:
 arbor-sp-a:
    device: arbor-sp-a
    proxy:
      http: 10.128.8.210:8080
      ssl: 10.128.8.210:8080
      socks: 10.128.8.210:8080
# Tester information
tester:
 tester01:
    type: ixnet
    ip: 10.128.32.70
    config: vmx_20161129.ixncfg
# Other local information specific for this case
port-mapping:
 uplink01:
    device: vmx11
    port: ge-0/0/0
 downlink01:
    device: vmx12
    port: ge-0/0/2
# Default information
  ignore_dead_node: yes
 terminal:
    width: 80
    height: 32
 result folder: result
```

#### **Variables**

The module automatically create GLOBAL & LOCAL variable for other libraries. It also creates global list variables GLOBAL, LOCAL and NODE that could be accessed from Robot Framework` test cases.

The GLOBAL variable holds all information defined by the master files and LOCAL variable holds all variables defined by active local.yaml . And NODE is a list that hold all active nodes defined in the local.yaml .

Users could access to the information of a key in local.yaml by \${LOCAL[key']}, information of a node by \${LOCAL[node'][vmx11']} or simply \$NODE[vmx']. When a keyword need a list of current node, @{NODE} could be used.

Notes: By default, RENAT will stop and raise an exception if connection to a node is failed. But if ignore\_dead\_node is defined as yes (default) is the current active local.yaml, RENAT will omit an warning but keep running the test and remove the node from its active node list.

# **Shortcuts**

Change Mod · Cleanup Result · Close Display · Convert Html To Pdf · Convert Xml · Count Keyword · Count Keyword Line · Count Match Regexp · Create Sequence · Csv Add · Csv Concat · Csv Create · Csv Merge · Csv Select · Current Usergroup · Current Username · Diff File · Err · Error Line Should Not Be Bigger Than · Error Should Not Be Bigger Than · Explicit Run · File Md5 · Fold Str · Follow Syslog And Trap · Get Config Path · Get Config Value · Get File Without Error · Get Item Config Path · Get Item Name · Get Multi Lines · Get Myld · Get Renat Path · Get Result Folder · Get Result Path · Get Test Device · Is Stable · Keyword Line Should Not Be Bigger Than · Keyword Should Not Be Bigger Than · Load Plugin · Log · Log Csv · Log To Console · Loop For Node Tag · Md 5 · Merge Files · Mib For Node · Node With Attr · Node With Tag · Node Without Tag · Pause · Ping Until Ok · Random Name · Random Number · Renat Version · Screenshot · Send · Set Multi Item Variable · Set Result Folder · Slack · Start Display · Str 2 Seq · Version · Wait

## **Keywords**

| Keyword        | Arguments                                   | Documentation   |  |
|----------------|---|---|--|
| Change Mod     | name, mod, relative=True                    | Changes file mod, likes Unix chmod  |  |
|                |   | mod is a string specifying the privilege mode relative is False or True                                     |  |
|                |   | Examples:   |  |
|                |   | Common. Change Mod tmp 0775   |  |
| Cleanup Result | ignore=^(log.html output.xml report.html)\$ | re=^(log.html output.xml report.html)\$ Cleans up the result folder   |  |
|                |   | Deletes all files in current active folder that does not match the ignore expression and are older than the |  |

| Class Display              |  | Note: The keywo  | rd only removes files but not folders  |   |                  |
|----------------------------|--|--|--|---|------------------|
| Close Display Convert Html | html file, pdf file  | Note: The keyword only removes files but not folders Closes the opened display   |  |   |                  |
| To Pdf                     |  | Converts html file to pdf file   |  |   |                  |
| Convert XmI                | style, src, dst  | Converts XML by  | using XLS stylesheet   |   |                  |
|                            |  | Predefined styles  | heets are store in tools/xls under current activ   | ve RENAT folder   |                  |
|                            |  | Parameters:  |  |   |                  |
|                            |  | style: path to   | •  |   |                  |
|                            |  | <ul><li>src: path to t</li><li>dst: path to t</li></ul>  | he XML source<br>he output file  |   |                  |
| Count Keyword              | keyword, *pattern_list   | · ·  | rd in files. Keyword is not case-sensitive   |   |                  |
| Count Keyword              | keyword, *pattern_list   | Count the numbe  | r of lines contains the keyword  |   |                  |
| Line                       |  | Notes: Keyword i   | s matched partially. For example, error or error   | rorXXX will be matched b  | by error keyword |
| Count Match                | regexp, *pattern_list  | Count the number of regex found in pattern_list  |  |   |                  |
| Regexp                     |  | Examples:  |  |   |                  |
|                            |  | \${err_num}= <u>C</u>  | ount Match RegExp .*error.* result/*.csv result/   | *.txt   |                  |
| Create                     | start, end, interval, option=float                                   | Creates a list with  | n number from start to end with interval   |   |                  |
| Sequence                   |  | Example:   |  |   |                  |
|                            |  | @{list}= Create  | <u>Sequence</u> 10 15 0.5  |   |                  |
|                            |  | will create a list of  | of [11.0, 11.5, 12.0, 12.5, 13.0, 13.5, 14.0, 14.5]  |   |                  |
| Csv Add                    | pathname, *items   | Add more data de   | efine by a list items to a existed CSV file  |   |                  |
|                            |  | Note:: do not che  | eck the consistency between item's number ar   | nd header's number  |                  |
| Csv Concat                 | src_pattern, dst_name,   | Concatinates CS  | V files vertically If the CSV files has header,  | set has_header to \${TRL  | JE}              |
|                            | input_header=None, result_header=True                                | Examples:  |  |   |                  |
|                            |  |  | / Concat config/data0[3,4].csv result/result2.csv  |   |                  |
|                            |  |  | / Concat   config/data0[3,4].csv   result/result2.csv  | has_header=\${TRUE}   |                  |
| Csv Create                 | pathname, *header  |  | with headers defined by a list header  |   |                  |
| Csv Merge                  | src_pattern, dst_name,   |  | pend with <i>UTF-8</i> encoding mode iles horizontally by key key from src pattern   |   |                  |
|                            |  | input_header is not null (default is zero), the row define by input_header will be use is counted from the next row.  select_column is a string that define the output columns and key is the column name. When input_header is \${NULL}, select_column and key is the index of columns. Ot column name.  The result header (column names) is decided by result_header (True or False) |  |   |                  |
|                            |  |  | rns False if no file is found by the pattern   | (True of Taise)   |                  |
|                            |  | Examples:  | ins raise if no life is round by the pattern   |   |                  |
|                            |  |  | config/data0[3,4].csv  | result/result2.csv  |                  |
|                            |  | <u>Merge</u>   |  |   |                  |
|                            |  | Merge  | config/data0[3,4].csv  | result/result2.csv  | input_header=0   |
|                            |  |  |  |   |                  |
|                            |  |  | src_pattern=\${RESULT_FOLDER}/balance*.csv   | input_header=0  |                  |
|                            |  | <u>Merge</u>   | src_pattern=\${RESULT_FOLDER}/balance*.csv<br>dst_name=\${RESULT_FOLDER}/result.csv  | result_header=\${FALSE}   |                  |
|                            |  | <u>Merge</u><br>   |  | result_header=\${FALSE}<br>select_column=Valid  |                  |
|                            |  | Merge Common.CSV   | dst_name=\${RESULT_FOLDER}/result.csv  | result_header=\${FALSE}<br>select_column=Valid<br>Frames Rx.  |                  |
|                            |  | Merge Common.CSV Merge   | dst_name=\${RESULT_FOLDER}/result.csv<br>key=Stat Name<br>src_pattern=\${RESULT_FOLDER}/balance*.csv   | result_header=\${FALSE}<br>select_column=Valid<br>Frames Rx.<br>input_header=\${NULL}   |                  |
|                            |  | Merge Common.CSV Merge   | dst_name=\${RESULT_FOLDER}/result.csv<br>key=Stat Name   | result_header=\${FALSE}<br>select_column=Valid<br>Frames Rx.  |                  |
| Csv Select                 | src_file, dst_file, str_row=:, str_col=:,                            | Merge Common.CSV Merge Select part of the  | dst_name=\${RESULT_FOLDER}/result.csv key=Stat Name src_pattern=\${RESULT_FOLDER}/balance*.csv dst_name=\${RESULT_FOLDER}/result.csv key=0 CSV file and write it to other file str_row and | result_header=\${FALSE}<br>select_column=Valid<br>Frames Rx.<br>input_header=\${NULL}<br>result_header=\${FALSE}<br>select_column=5<br>str_col are used to spec                     |                  |
| Csv Select                 | <pre>src_file, dst_file, str_row=:, str_col=:, has_header=None</pre> | Merge Common.CSV Merge Select part of the rows and column  • : and : mean  • :2 and : mea  • : and 1,2 me  • 0:3 and 1 me  • 0:5:2 and 1 r   | dst_name=\${RESULT_FOLDER}/result.csv<br>key=Stat Name<br>src_pattern=\${RESULT_FOLDER}/balance*.csv<br>dst_name=\${RESULT_FOLDER}/result.csv<br>key=0                                     | result_header=\${FALSE}<br>select_column=Valid<br>Frames Rx.<br>input_header=\${NULL}<br>result_header=\${FALSE}<br>select_column=5<br>str_col are used to spec<br>for Python list. |                  |

|  |  | CSV Select result/data05.csv result/result5.csv :2 :  CSV Select result/data05.csv result/result6.csv 0:3 :   |  |  |
|--|--|---|--|--|
|  |  | CSV Select result/data05.csv result/result7.csv 0:5:2 :   |  |  |
| Current                                      |  | Returns current usergroup   |  |  |
| Usergroup                                    |  |   |  |  |
| Current<br>Username                          |  | Returns current username  |  |  |
| Diff File                                    | path1, path2, newline=True   | Shows difference between files  |  |  |
|  | pairry pairre, riemme rice   | Returns the diff result (multi lines) path1, path2 are absolute paths.  |  |  |
| Err  | mea  |   |  |  |
| Error Line                                   | msg  | Prints error msg to console  Checks whether the number of lines that contains area he less than a number.   |  |  |
| Should Not Be<br>Bigger Than                 | num, *pattern_list   | Checks whether the number of lines that contains error be less than a number  |  |  |
| Error Should<br>Not Be Bigger<br>Than        | num, *pattern_list   | Checks whether the number of error be less than a number  |  |  |
| Explicit Run                                 |  | skip the test case if global variable RUN ME is not defined   |  |  |
| •  |  | Examples:   |  |  |
|  |  |   |  |  |
|  |  | 00. Cabling Common. Explicit Run  |  |  |
|  |  | Log To Console cabling  |  |  |
|  |  |   |  |  |
|  |  | run.sh will bypass 00. Cabling by default. In other to run this test case \${FORCE} needs declare globally run.sh -X -v FORCE   |  |  |
| File Md5                                     | path   | Returns MD5 hash of a file  |  |  |
|  | p  |   |  |  |
| Eald 01                                      | atr.   | path is an absolute path  |  |  |
| Fold Str                                     | str  | Folds a string by adding Non-Width-Space char (0x200b) at 6th char  |  |  |
| Follow Syslog<br>And Trap                    | pattem, log_file_name=syslog-trap.log,<br>delay_str=1s   | Pauses the execution and wait for the pattern is matched if the file <i>log_file_name</i> located in the cresult folder.  |  |  |
|  |  | By default the <i>log_file_name</i> is ./result/syslog-trap.log which is created by <u>Follow Syslog and Traket</u> keyword.  |  |  |
|  |  | The keyword should be in tests between Follow Syslog adn Trap Start and Follow Syslog and Trakeywords.  |  |  |
| Get Config Path                              |  | Returns absolute path of RENAT config folder path   |  |  |
| Get Config<br>Value                          | key, base=default, default=None  | Returns value of a key for renat configuration with this other LOCAL[base][key] > GLOBAL[base] None   |  |  |
| Get File Without<br>Error                    | file_path  | Get content of the file and return null string if the file does not exist   |  |  |
| Get Item Config<br>Path                      |  | Returns absolute path of current item config folder   |  |  |
| Get Item Name                                |  | Returns the name of the running item  |  |  |
| Get Multi Lines                              | data, index  | Returns multiple lines from text data using <i>index index</i> uses python rule.  |  |  |
| Get Myid                                     |  | Returns ID uniq for this test case  |  |  |
| Get Renat Path                               |  | Returns the absolute path of RENAT folder   |  |  |
| Get Result                                   |  | Returns current result folder name. Default is result in current test case.   |  |  |
| Folder                                       |  | Note: the keyword only returns the name of the result folder not its absolue path.  |  |  |
| Get Result Path                              |  | Returns absolute path of the current result folder  |  |  |
| Get Test Device                              |  | Return a list of all test device that is used in this test  |  |  |
|  |  |   |  |  |
| I= 04-1-1                                    | and the sale of th | Notes: Device number could less than node number  |  |  |
| Is Stable                                    | seq, threshold, percentile=90  | Checks if the value sequence is stable or not   |  |  |
| Keyword Line<br>Should Not Be<br>Bigger Than | num, keyword, *pattern_list  | Checks whether the number of line containing the keyword be less than a number  |  |  |
| Keyword<br>Should Not Be<br>Bigger Than      | num, keyword, *pattem_list   | Checks whether the number of keyword be less than a number  |  |  |
| Load Plugin                                  |  | Load plugin in renat/plugin folder  |  |  |
| _  | msg_level_1  |   |  |  |
| Log  | msg, level=1   | Logs msg to the current log file (not console)  The msg will logged only if the level is bigger than the global level \${DEBUG} which could be deruntime. If \${DEBUG} is not defined, it will be considered as the default level as 1. |  |  |
|  |  | Examples:   |  |  |
|  |  | Common. <u>Log</u> XXX # this always be logged  |  |  |
|  |  | Common Log AAA level=2 # this will not be logged with common run.sh   |  |  |
|  |  | Common. <u>Log</u>   BBB   level=2   # ./run.sh -v   DEBUG:2 will log the message   |  |  |

|                |  | Notes: For common use   |  |  |
|----------------|--|---|--|--|
|                |  | ■ level 1: is default   |  |  |
|                |  | ■ level 2: is debug mode ■ level 3: is very informative mode  |  |  |
| Log Csv        | csv_file, index=False, border=0                          | Logs a content of csv_file into default log.html  |  |  |
|                |  | index, border are table attributes  |  |  |
| Log To Console | msg, level=1   | Logs a message to console   |  |  |
|                |  | See Common. Print for more details about debug level  |  |  |
| Loop For Node  | var, tags, *keywords                                     | Repeatly executes RF keyword for nodes that has tag tags  |  |  |
| Tag            |  | multi tags are separated by : keywords has same meaning with keywords used by <i>Run Keywords</i> of RobotFramework ( keyword and its arguments are separated by AND with the others. |  |  |
|                |  | Example:  |  |  |
|                |  | Loop For Node Tag \\${node} tag1  |  |  |
|                |  | Switch \\${node} AND  |  |  |
|                |  | Cmd show system user AND  |  |  |
|                |  | Cmd   show system uptime  |  |  |
|                |  | Note: \$ in variable name must be escaped   |  |  |
| Md 5           | str  | Returns MD5 hash of a string  |  |  |
| Merge Files    | path_name, file_name                                     | Merges all the text files defined by path_name to file_name   |  |  |
|                |  | Example:  |  |  |
|                |  | Merge Files //result/*.csv //result/test.csv  |  |  |
| Mib For Node   | node   | Returns the mib file name for this node mib file is define by mib keyword under the node in local.yar   |  |  |
|                |  |   |  |  |
|                |  | node:   |  |  |
|                |  | vmx11: device: vmx11  |  |  |
|                |  | snmp_polling: yes   |  |  |
|                |  | mib: mib11.txt  |  |  |
|                |  |   |  |  |
|                |  | Default value is defined by mib keyword from global config/snmp-template.yaml for the type of the nod   |  |  |
|                |  | Example:  |  |  |
|                |  | \${mib}= Common.MIB For Node vmx11  |  |  |
| Node With Attr | attr_name, value   | Returns a list of nodes which have attribute attr name with value value   |  |  |
| Node With Tag  | *tag_list  | Returns list of node or webapp from local.yaml that has <b>ALL</b> tags defined by tag_list   |  |  |
| _              | <u>u</u>   | Tag was defined like this in local yaml   |  |  |
|                |  | vmx11:  |  |  |
|                |  | device: vmx11   |  |  |
|                |  | snmp_polling: yes tag:  |  |  |
|                |  | - tag1  |  |  |
|                |  | - tag2  |  |  |
|                |  | Examples:   |  |  |
|                |  | \${test3}= Common. <u>Node With Tag</u> tag1 tag3   |  |  |
| Node Without   | *tag_list  | Returns list of node from local.yaml that does not has ANY tags defined by tag_list   |  |  |
| Tag            |  | Tag was defined like this in local.yaml   |  |  |
|                |  | vmx11:  |  |  |
|                |  | device: vmx11 snmp_polling: yes   |  |  |
|                |  | tag:  |  |  |
|                |  | - tag1  |  |  |
|                |  | - tag2  |  |  |
|                |  | Examples:   |  |  |
|                |  | \${test3}= Common. <u>Node Without Tag</u> tag1 tag3  |  |  |
| Pause          | msg=, time_out=3h, error_on_timeout=True, default_input= | Displays the message msg and pauses the test execution and wait for user input  |  |  |
|                |  | In case of error_on_timeout is True(default), the keyword will raise an error when timeout occurs.  Otherwise, it will continue the test.   |  |  |
|                |  |   |  |  |
|                |  | <b>Notes:</b> If the variable \${RENAT_BATCH} was defined, the keyword will print out the message and kee running without pausing.  |  |  |
|                |  | Examples:   |  |  |
|                |  |   |  |  |
|                |  | Common. Pause Waiting 10s error_on_timeout=\${TRUE} default input  Common. Pause Waiting 10s  |  |  |
| Ping Until Ok  | node, wait_str=5s, extra=-c 3                            | Ping a node until it gets response. Then wait for more wait_str Default extra option is -c3   |  |  |
| Random Name    | base, a=0, b=99  |   |  |  |
| nandom Ndille  | Dase, a−0, D=33  | Returns a random name by a base and a random number between [a,b]   |  |  |
|                |  | Example:  |  |  |
|                |  | \${FOLDER}= Random Name capture_%05d 0 99   |  |  |

| Random<br>Number           | a=0, b=99   | Returns a random number between [a,b]  |  |
|----------------------------|---|--|--|
| Renat Version              |   | Returns RENAT version string   |  |
| Screenshot                 | file_path   | Capture whole display to a file specified by file_path  Notes: This keyword saves the whole virtual screen(monitor), while the familiar WebApp. Screenshot Capture only saves the portion of the web browser. But in contrast, the WebApp. Screenshot Capture could do fullpage capture depending on the content of the browser.   |  |
| Send                       | sock, data, recv_buffer_size=1024,<br>encode=utf-8                  | Sends bytes of <i>data</i> by socket <i>sock</i> and reicve the response  When <i>recv_buffer_size</i> is zero, the function does not execpt a response from the remote.   |  |
| Set Multi Item<br>Variable | *vars   | Set multiple varibles to be <i>suite variable</i> at the same time  Suite variables (or item variable) could be access anywhere in all the item scenario.  |  |
| Set Result<br>Folder       | folder  | Sets the result folder to folder and return the old result folder. The result folder contains all output files from the test likes tester ouput, config file  folder is a folder name that under current test case folder  The system will create a new folder if it does not exist and set its mode to 0775  Note: Result folder should be set at the begining of the test. Changing result folder only has effect on up comming connection |  |
| Slack                      | msg, channel=#automation_dev,<br>user=renat, host=10.128.3.103:4713 | Post a message to Slack  |  |
| Start Display              |   | Starts a virtual display   |  |
| Str 2 Seq                  | str_index, size   | Returns a sequence from string format  Examples:    Str2Seq   ::   5   # (0,1,2,3,4)     Str2Seq   :2   5   # (0,1)     Str2Seq   1:3   5   # (1,2)     Str2Seq   0:5:2   5   # (0,2,4)  |  |
| Version                    |   | Returns the current version of RENAT   |  |
| Wait                       | wait_time, size=10  | Waits for wait-time and display the proress bar  wait_time used RF DateTime format.  Examples:  Common.Wait wait_time=30s size=10  |  |

Altogether 63 keywords.
Generated by <u>Libdoc</u> on 2019-03-11 23:22:00.

