**Robot Framework Installation and IGINITE Testsuite Execution Guide**

**Python Installation**

Python Version: 3.7

Link to download: <https://www.python.org/downloads/release/python-375/>

Installation Instructions:

* Check the Add Path to Environment Variable checkbox
* Choose custom installation option, if you want to install in any desired folder

SSH PASS installation

Install SSHPass to establish scp connection in robot script

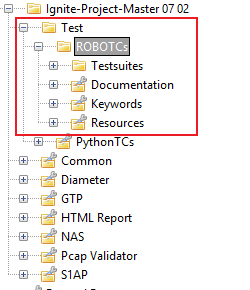
* sudo apt-get install sshpass

**Robotframework Installation**

Open Command Prompt and use below commands to install required packages.

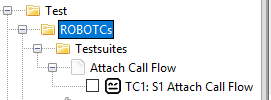
* sudo python3.7 -m pip install robotframework
* sudo python3.7 -m pip install robotframework-ride
* sudo python3.7 -m pip install robotframework-requests
* sudo python3.7 -m pip install robotframework-selenium2library
* sudo python3.7 -m pip install robotframework-jsonlibrary
* sudo python3.7 -m pip install robotframework-sshlibrary
* sudo python3.7 -m pip install xlrd
* sudo python3.7 -m pip install asn1tools=0.137.4
* sudo python3.7 -m pip install flask

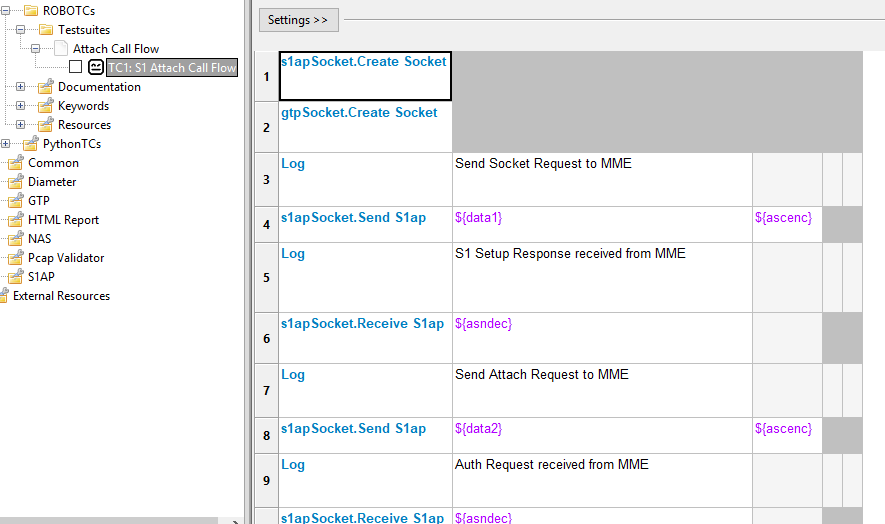
**Robotframework Testsuite Structure**



Under RobotTCs folder below folders are available

* **Testsuites**





Testsuites folder contains the test suites (group of test cases) and test cases

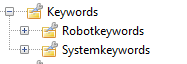
Robot framework is a keyword driven testing tool, hence easy to understand the testcases. Each function from python can be called as Keyword in Robotframework.

* **Documentation**

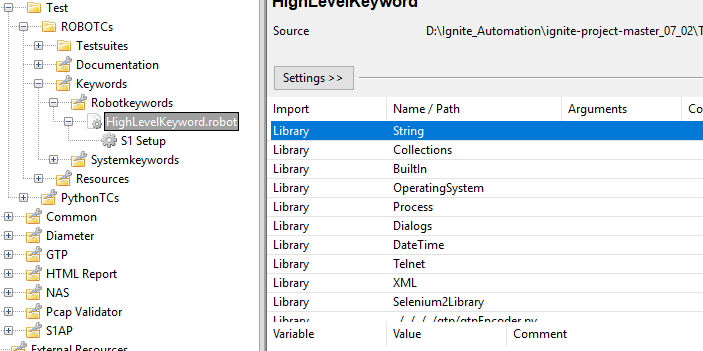
This folder will contain help files

* **Keywords**

Contains two sub folders: Robotkeywords and Systemkeywords



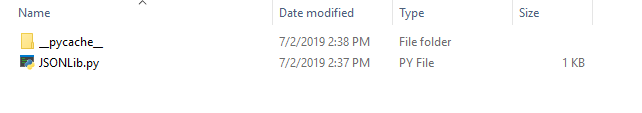
* + **Robotkeywords**



Robotkeywords folder will contain user defined keyword files written using Robotframework, High Level Keyword file which contains all the library (Predefined and Userdefined), Resource files (contains Variables, arrays declaration) imports and user defined python library imports,which could be used across the modules for testing.

* + **Systemkeywords**

System keyword will contain user defined python libraries



* **Resources**

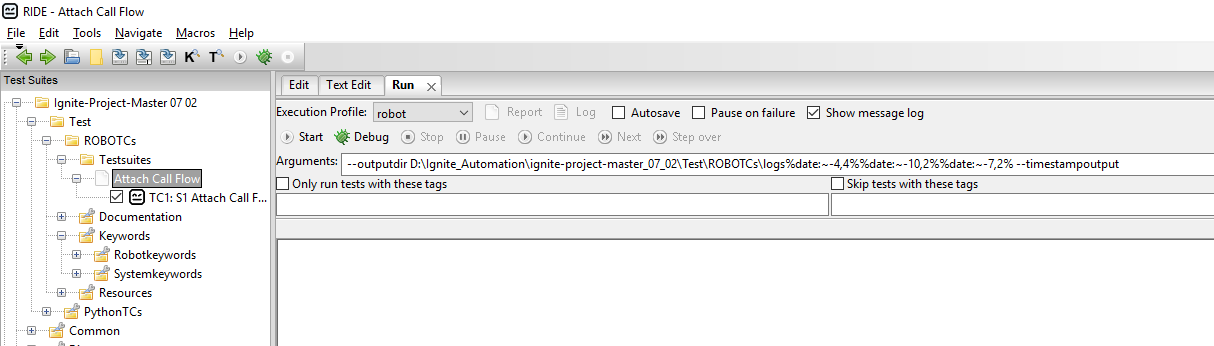
Resources folder contains the file with variable, array declarations which could be used across testsuites/testcases.

* **Support\_utilities**

Support utilities folder contains run.sh which will guide through with steps to execute ROBO test cases

**Execution from RIDE/Windows Machine**

Select the test case or test suite to be executed and provide below command in Arguments to get the log in desired directory, else log would be stored in default directory. Click on start button to execute the test cases.



**Execution from Command Prompt/Linux Machine**

To execute entire test suite, use below command

* cd <ignite\_folder>/Test/ROBOTCs/support\_utilities
* execute ./run.sh

Below option would be asked:

lab5g6@5GLAB6:~/vidhya/ignite-project-master/Test/ROBOTCs/support\_utilities$ ./run.sh \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Enter Ignite sudo Password:

Enter MME sudo Password:

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Suite Names\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

4G\_Attach

4G\_Attach\_Detach\_Regression

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Enter Suite Name from above available option: 4G\_Attach

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Tag Names\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LTE\_4G\_IMSI\_Attach\_Detach

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Enter Option: All (To execute whole suite) or Option: <Tagname> (To execute only selective testcase): LTE\_4G\_IMSI\_Attach\_Detach

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4G Attach

==============================================================================

TC1: LTE 4G IMSI Attach Detach :: Attach Detach success scenario f... | PASS |

1 critical test, 1 passed, 0 failed

1 test total, 1 passed, 0 failed

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Output: /home/lab5g6/LOGS/4G\_Attach/4G\_Attach\_20191115\_093501/output-20191115-093502.xml

Log: /home/lab5g6/LOGS/4G\_Attach/4G\_Attach\_20191115\_093501/log-20191115-093502.html

Report: /home/lab5g6/LOGS/4G\_Attach/4G\_Attach\_20191115\_093501/report-20191115-093502.html