OpenSnaproute Automation using "Robot" Framework
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Directory Structure:

OpenSnaproute Automation Directory-Structure using "Robot" Framework
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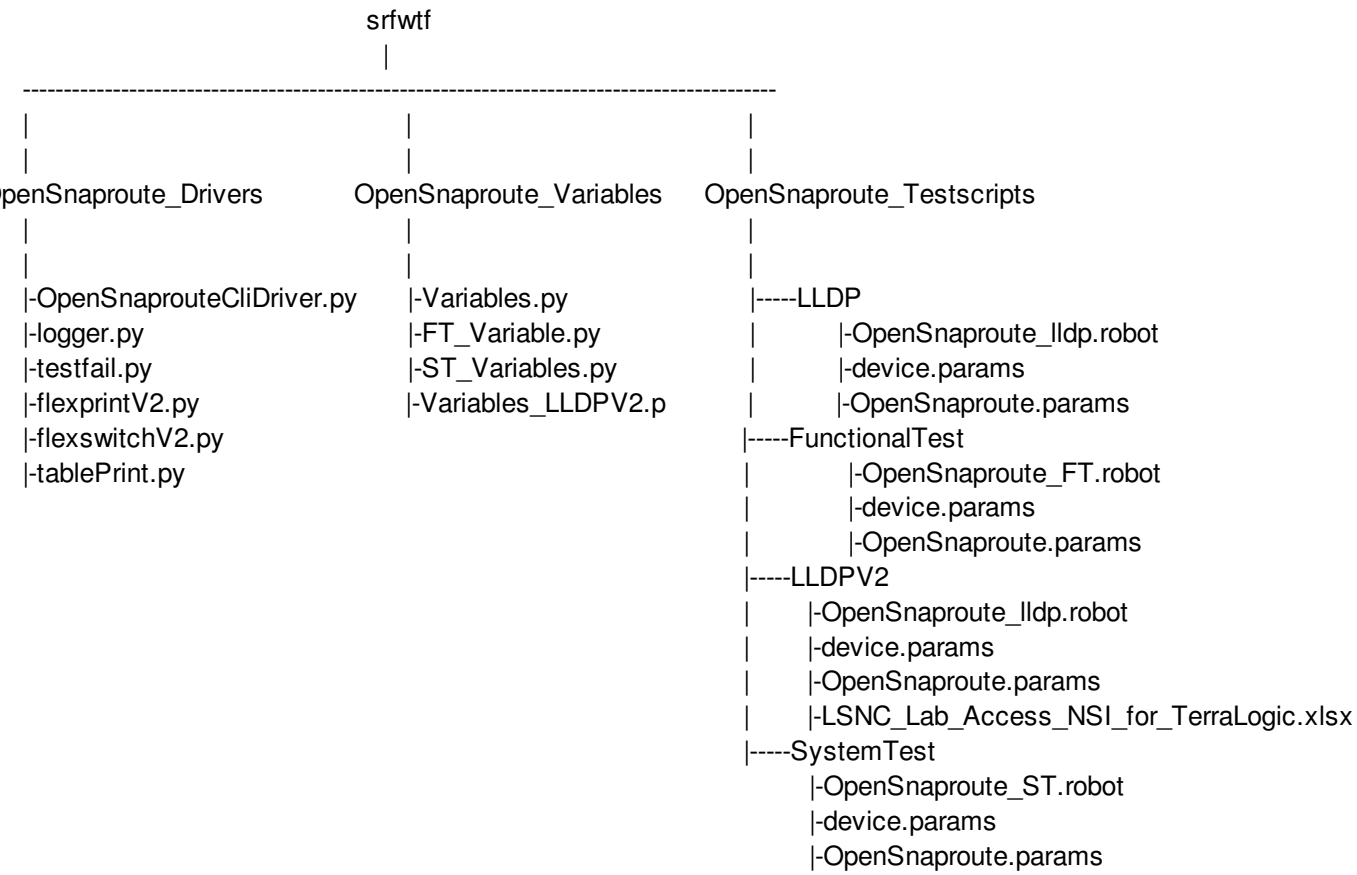


OpenSnaproute_Drivers-------- Contains all the APIs used in the Test-scripts
OpenSnaproute_Variables------ Contains device informations interms of variables
OpenSnaproute_Testscripts---- Contains OpenSnaproute LLDP,System,Functional testing Test-suite
LLDP------------------------- Contains OpenSnaproute LLDP testing Test-suite "OpenSnaproute_lldp.robot"
FunctionalTest--------------- Contains OpenSnaproute Functional testing Test-suite "OpenSnaproute_FT.robot"
SystemTest------------------- Contains OpenSnaproute System testing Test-suite "OpenSnaproute_ST.robot"
LLDPV2----------------------- Contains OpenSnaproute LLDP testing Test-suite "OpenSnaproute_lldp.robot"(Fetch information from EXCEL)
LSNC_Lab_Access_NSI_for_TerraLogic.xlsx------ Contains connection information between routers

How to run the test-case ?

1. Copy the srfwtf directory into home directory.
2. Open a Terminal, then cd to ~/srfwtf/OpenSnaproute_Testscripts/Testscript_name directory
Ex:

/srfwtf/OpenSnaproute_Testscripts/LLDP
or
/srfwtf/OpenSnaproute_Testscripts/FunctionalTest

3. Open .robot file, and change the variable ${USER} value to system username.
Ex:

*** Variables ***
${USER} opensnaproute
//replace "opensnaproute" by your system username
4. Open a Terminal, then cd to ~/srfwtf/OpenSnaproute_Variables directory
5. Open Variables.py, and if you need to run for all the devices, change device_all="yes" and to run certain devices change the variable device_all="no" and mention device count.(For all Testsuite follow same procedure)
Ex:

device_all="no"
fab_count = 1
csw_count = 2
asw_count = 1

or

device_all="yes"

6. For LLDPV2 Open Variables.py, and specify the path of EXCEL file and Sheet name

Ex:
path = '/home/opensnaproute/Downloads/LSNC_Lab_Access_NSI_for_TerraLogic.xlsx'
sheet_name="NSI"

7. Run the test-suite file : .robot file using the below command.
robot filename.robot
EX:

robot OpenSnaproute_lldp.robot

8. Once Test-case execution completed, We will get a log file like:
Output: output.xml
Log: log.html
Report: report.html
9. Then Open the log.html file in any browser for web-based log view.