

Start Here: Introduction to Executing Python Script on LANforge

Goal: Run First Python Script on LANforge





/home/lanforge/scripts/py-script/sta_connect2.py

The Script sta_connect2.py will create a station, create TCP and UDP traffic, run traffic for a short amount of time, and verify whether traffic was sent and received. It also verifies the station connected to the requested BSSID if bssid is specified as an argument. The script will clean up the station and connections at the end of the test. An html and pdf or the results will be generated and placed in /home/lanforge/html-reports directory The script will clean up the station and connections at the end of the test.



ni No	tial Information to gather as input to sta_connect2.py script: te: An example of a Device Under Test is an Access Point The DUT information is used in report generation. The DUT information may be optio
А.	The LANforge manager IP address:mgr [localhost]
Β.	The LANforge upstream port:upstream_port [eth port]
C.	The LANforge radio:radio [radio]
D.	The Device Under Test ssid:dut_ssid [ssid]
E.	The Device Under Test passwd:dut_passwd [passwd]
F.	The Device Under Test security:dut_security [security]
G.	The Device Under Test Model Number:dut_model_num [model]
Н.	The Device Under Test Hardware Version:dut_hw_version [hw version]
١.	The Device Under Test Software Version:dut_sw_version [sw version]
J.	The Device Under Test Serial Number:dut_serial_num [serial number]
./s	<pre>ta_connect2.pymgr locahostupstream_port 1.1.eth2 radio 1.1.wiphy1dut_ssid axe11000_5gdut_passwd lf_axe11000_5gdut_security dut_model_num GT-AXE11000dut_hw_version 1.0dut_sw_version V3.0.0.4.386.0000 dut_serial_num M32A</pre>
ſ	○ Mate Terminal ⊙ ⊗ ⊗
1	File Edit View Search Terminal Help
	lanforge@ct523c-3ba3 py-scripts]\$ pwd /home/lanforge/scripts/py-scripts [lanforge@ct523c-3ba3 py-scripts]\$./sta_connect2.pymgr localhostupstream_port 1.1.e th2radio 1.1.wiphy1dut ssid axe11000 5gdut passwd lf axe11000 5gdut security w

5. Results for sta_connect2.py located in /home/lanforge/html-reports:

1655813768.675400 INFO PASSED: 1.1.sta0000 connected to AP: FC:34:97:28:38:94 With IP: 192.168.50.152
PASSED: udpsta0000-0-A 1936800 bps
PASSED: udpsta0000-0-A 1936500 bps
PASSED: udpsta0000-0-B 1936500 bps
PASSED: udpsta0000-0-B 1935600 bps
PASSED: tcpsta0000-0-A 1892400 bps
PASSED: tcpsta0000-0-A 1893000 bps
PASSED: tcpsta0000-0-B 1893000 bps
PASSED: tcpsta0000-0-B 1892400 bps sta connect2.py 1109
1655813769.016487 INFO Test Results HTML located: /home/lanforge/html-reports/2022-06-21-05-14-39 sta connect2/2022-06-21-05-14-39-sta c
onnect2.html sta connect2.py 1117
1655813769.016640 INF0 Test Results PDF located: /home/lanforge/html-reports/2022-06-21-05-14-39 sta connect2/2022-06-21-05-14-39 sta
nnect2.pdf sta connect2.py 1120
1655813769.016695 INFO PASS: All tests pass sta connect2.py 1128
[lanforge@ct523c-3ba3 py-scripts]\$

6. Results for sta_connect2.py located in /home/lanforge/html-reports: Script produces both html and pdf results Sample sta_connect2.py Script HTML Output: example of html output Sample sta_connect2.py Script pdf Output: example of pdf output Other script options may be show by typing ./sta_connect2.py --help