TRex Stateless GUI

Information Security Inc.

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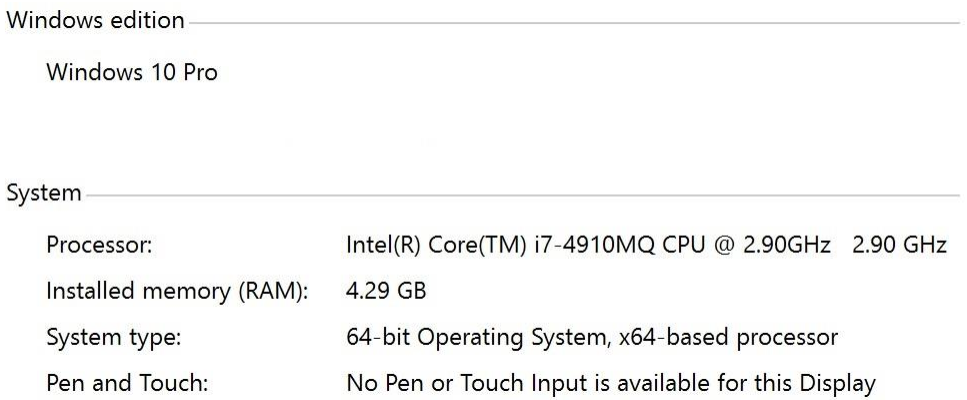
About TRex Stateless GUI

- TRex Stateless GUI application provides a graphical user interface for Trex
- TRex Stateless GUI application is a JavaFX based application

Testing Environment

- Windows 10 Pro x64

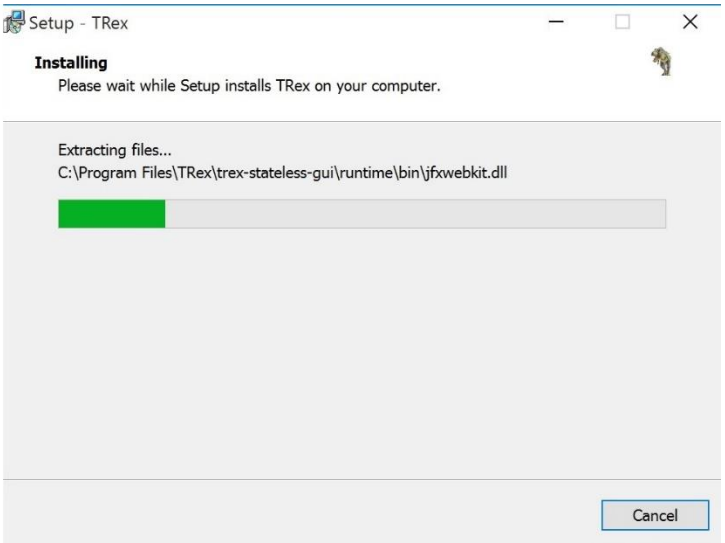


Installing TRex Stateless GUI

- Downloading latest release

Installing TRex Stateless GUI

- Installing latest release

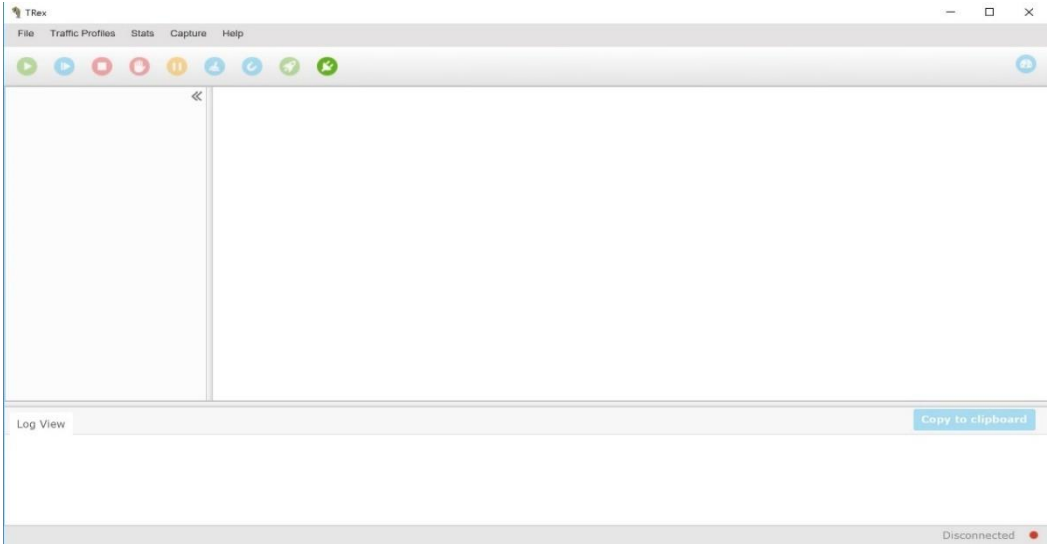


Using TRex Stateless GUI

- Launching TRex stateless GUI

Using TRex Stateless GUI

- Launching TRex stateless GUI



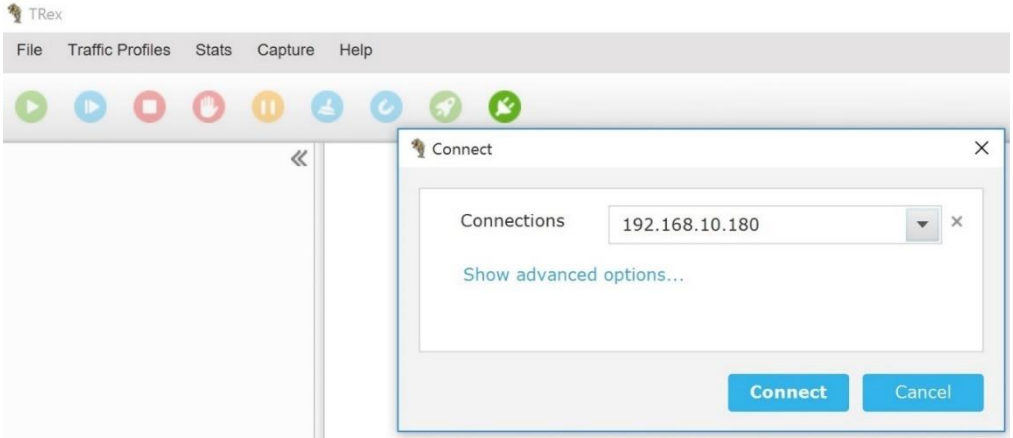
Using TRex Stateless GUI

- Starting TRex server

```
root@ubuntu:~/trex-core/scripts# ./t-rex-64 -i
Starting Scapy server.... Scapy server is started
Trying to bind to igb_uio ...
/usr/bin/python dpdk_nic_bind.py --bind=igb_uio 0000:02:02.0 0000:02:03.0
The ports are bound/configured.
Starting  TRex v2.31 please wait  ...
```

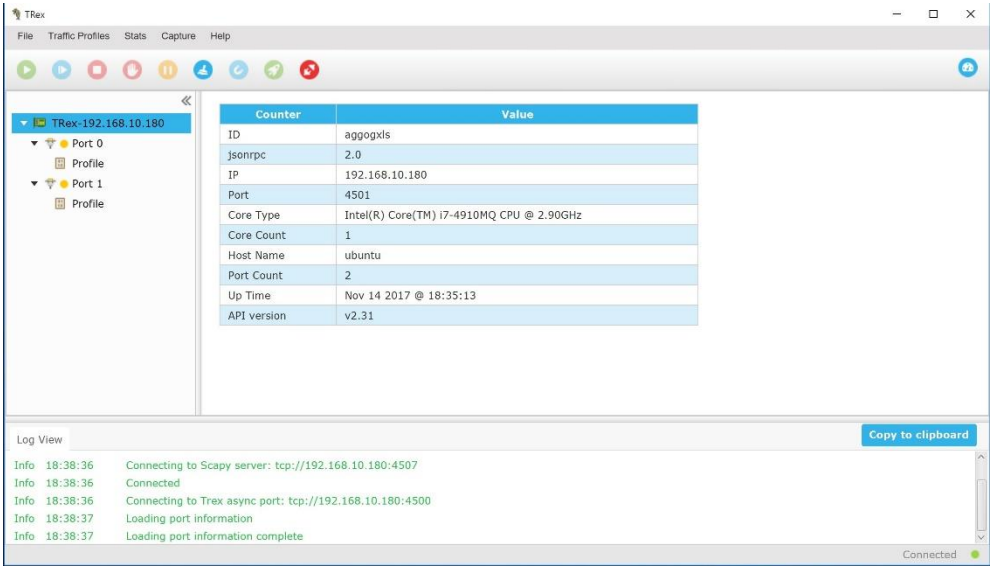
Using TRex Stateless GUI

- Connecting to TRex server



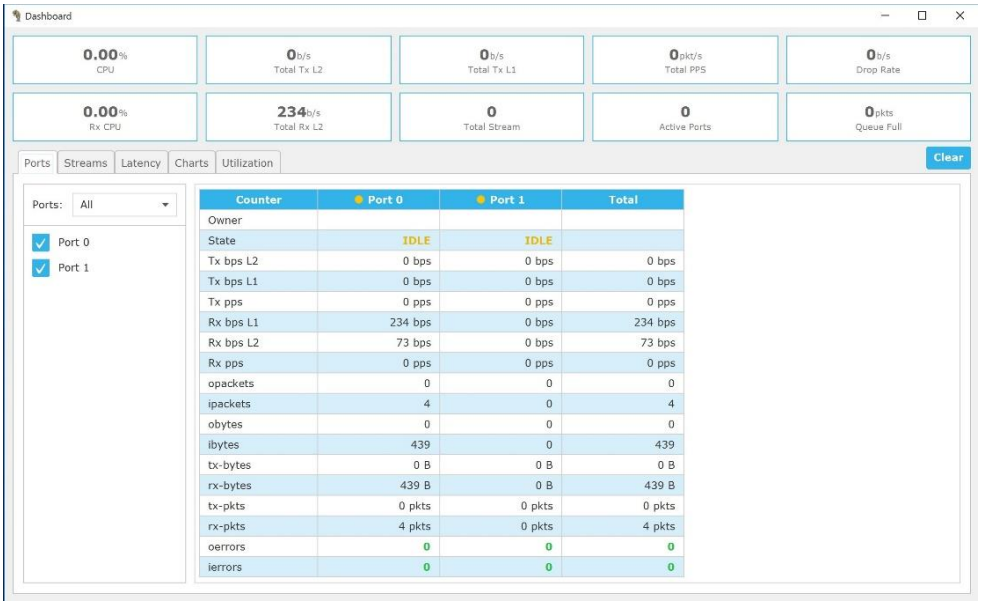
Using TRex Stateless GUI

- Connecting to TRex server



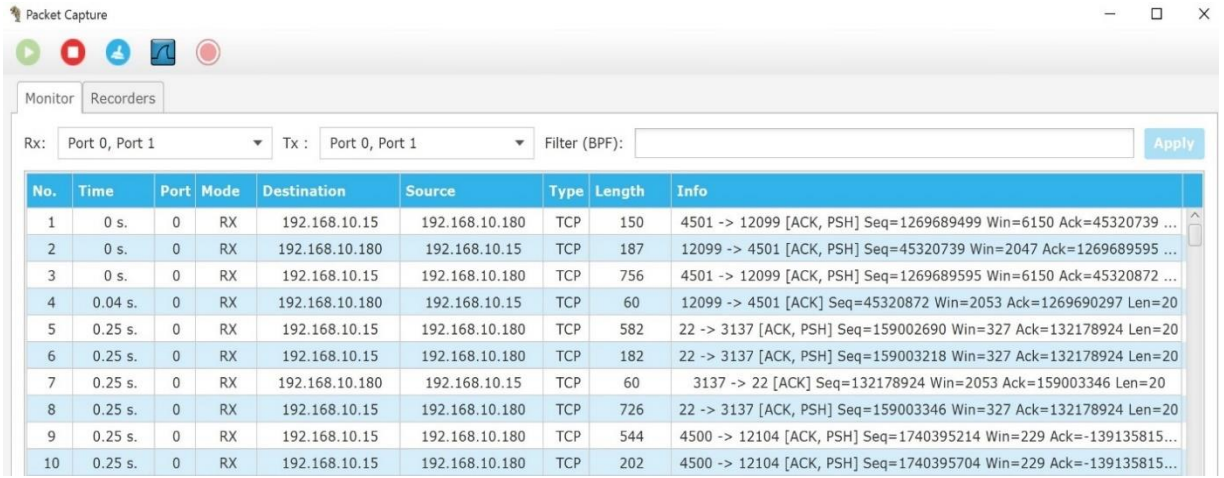
Using TRex Stateless GUI

- Dashboard



Using TRex Stateless GUI

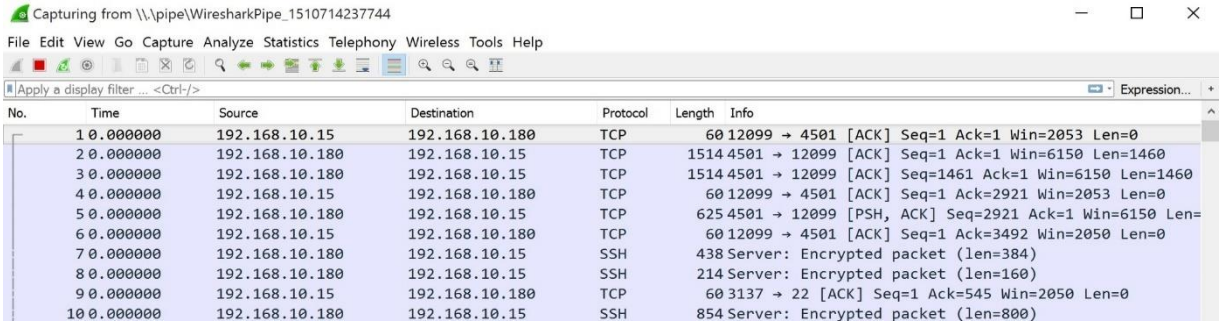
- Packet Capture using TRex GUI



No.	Time	Port	Mode	Destination	Source	Type	Length	Info
1	0 s.	0	RX	192.168.10.15	192.168.10.180	TCP	150	4501 -> 12099 [ACK, PSH] Seq=1269689499 Win=6150 Ack=45320739 ...
2	0 s.	0	RX	192.168.10.180	192.168.10.15	TCP	187	12099 -> 4501 [ACK, PSH] Seq=45320739 Win=2047 Ack=1269689595 ...
3	0 s.	0	RX	192.168.10.15	192.168.10.180	TCP	756	4501 -> 12099 [ACK, PSH] Seq=1269689595 Win=6150 Ack=45320872 ...
4	0.04 s.	0	RX	192.168.10.180	192.168.10.15	TCP	60	12099 -> 4501 [ACK] Seq=45320872 Win=2053 Ack=1269690297 Len=20
5	0.25 s.	0	RX	192.168.10.15	192.168.10.180	TCP	582	22 -> 3137 [ACK, PSH] Seq=159002690 Win=327 Ack=132178924 Len=20
6	0.25 s.	0	RX	192.168.10.15	192.168.10.180	TCP	182	22 -> 3137 [ACK, PSH] Seq=159003218 Win=327 Ack=132178924 Len=20
7	0.25 s.	0	RX	192.168.10.180	192.168.10.15	TCP	60	3137 -> 22 [ACK] Seq=132178924 Win=2053 Ack=159003346 Len=20
8	0.25 s.	0	RX	192.168.10.15	192.168.10.180	TCP	726	22 -> 3137 [ACK, PSH] Seq=159003346 Win=327 Ack=132178924 Len=20
9	0.25 s.	0	RX	192.168.10.15	192.168.10.180	TCP	544	4500 -> 12104 [ACK, PSH] Seq=1740395214 Win=229 Ack=-139135815...
10	0.25 s.	0	RX	192.168.10.15	192.168.10.180	TCP	202	4500 -> 12104 [ACK, PSH] Seq=1740395704 Win=229 Ack=-139135815...

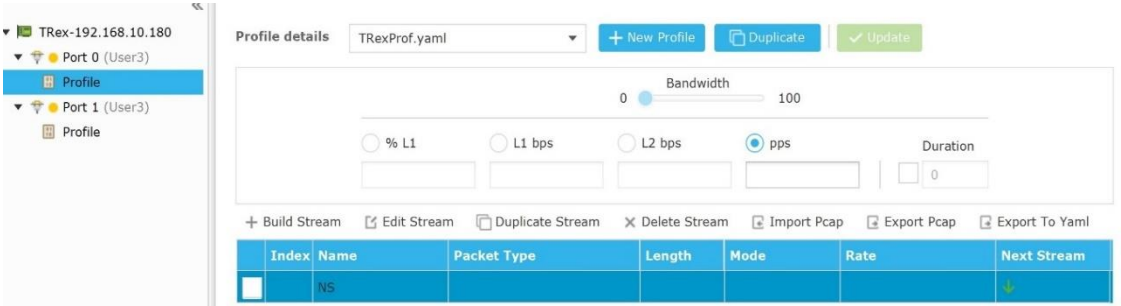
Using TRex Stateless GUI

- Packet Capture using Wireshark



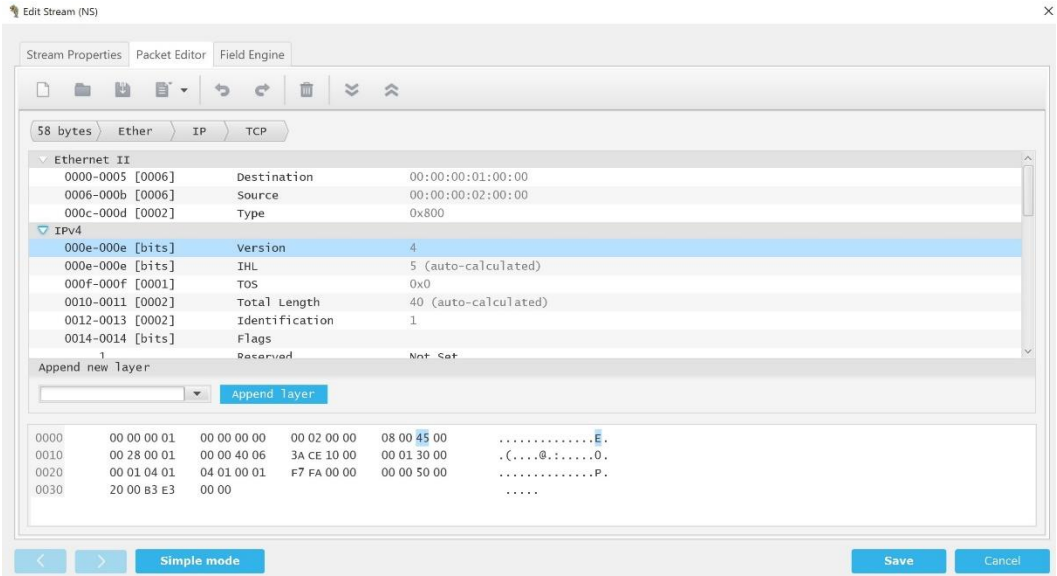
Using TRex Stateless GUI

- Packet Editor -> New profile -> New Stream



Using TRex Stateless GUI

- Edit Stream -> Packet Editor (Advanced Mode is enabled)



References

- TRex Stateless GUI
https://github.com/cisco-system-traffic-generator/trex-stateless-gui

- Ubuntu 14.04 LTS
http://old-releases.ubuntu.com/releases/14.04.1/ubuntu-14.04-desktop-amd64.iso

- TRex Manual
https://trex-tgn.cisco.com/trex/doc/trex_manual.html