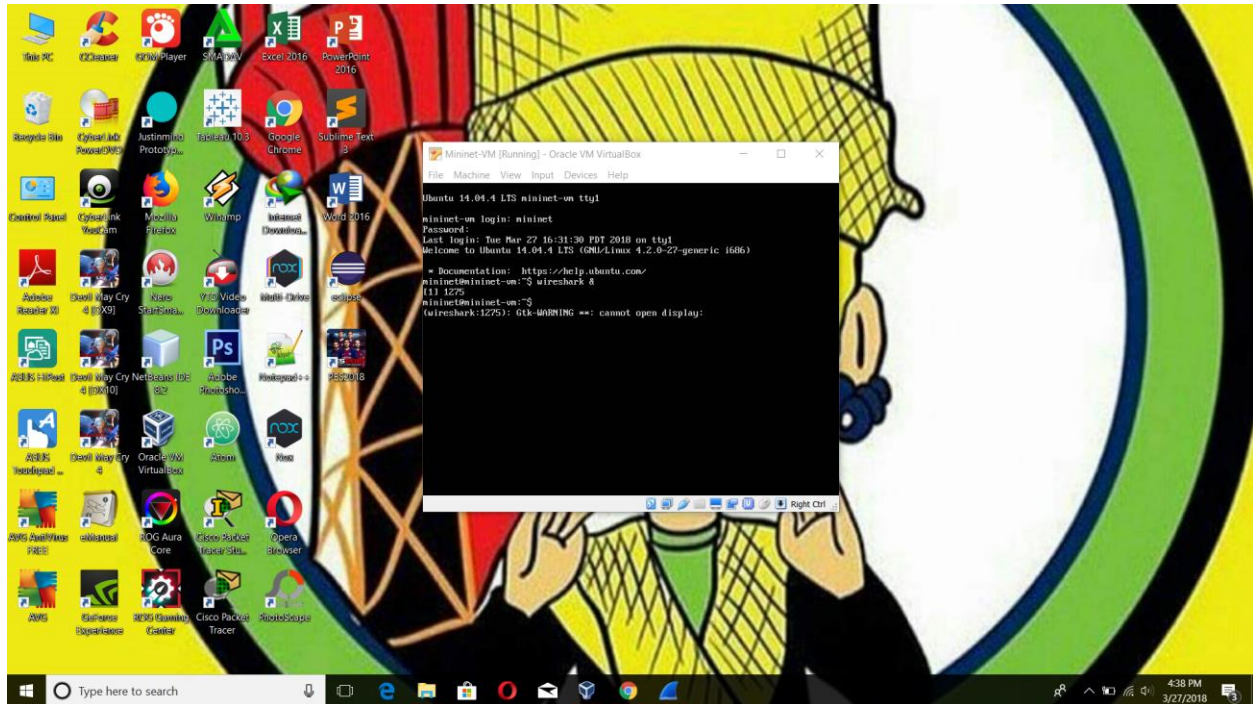
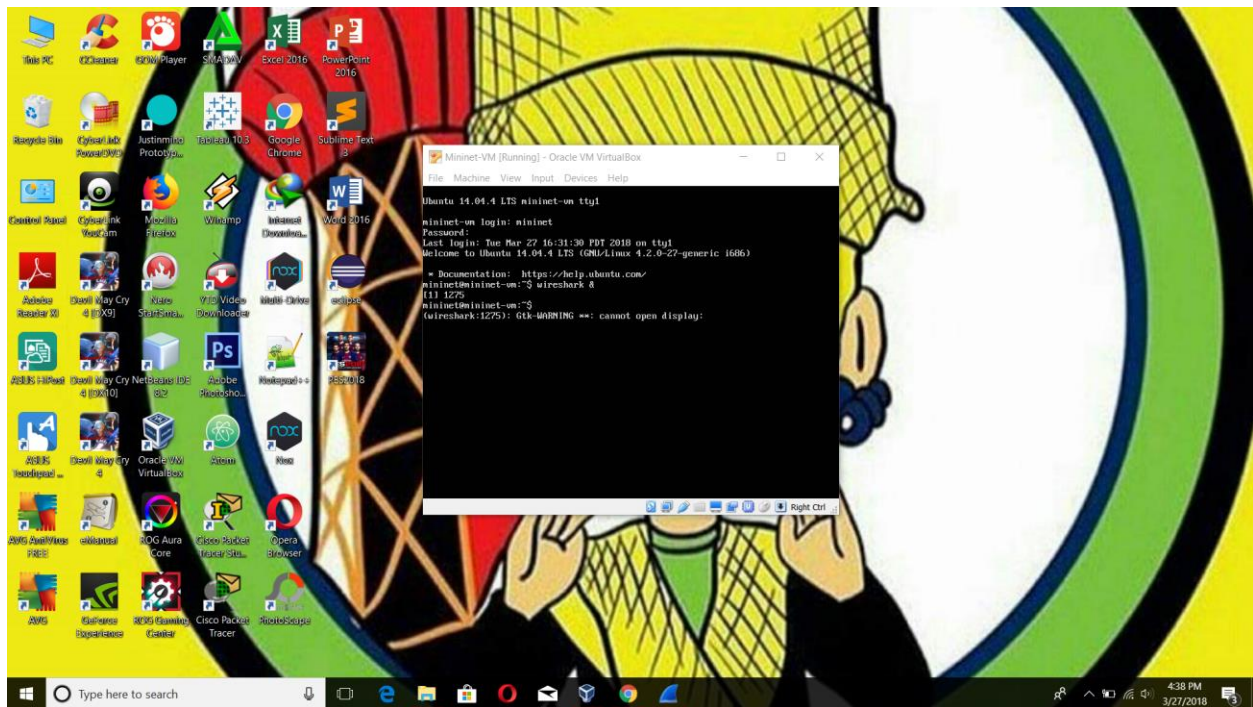


Tutorial Mininet 3 by Randi Ekklesia Ginting (161402108)

Tes



Tes – Wireshark



Check

\$ ssh -Y -l mininet -p 2222 localhost

mininet@mininet-vm:~\$ sudo apt-get update



mininet@mininet-vm:~\$ sudo apt-get install tree



The screenshot shows a Windows 10 desktop environment. The background is a cartoon illustration of a person with a large head and a green shirt. The desktop is cluttered with numerous application icons, including Microsoft Office applications (Word, Excel, PowerPoint, Outlook), web browsers (Google Chrome, Firefox), and various utility programs. A terminal window titled "Mininet-VM [Running] - Oracle VM VirtualBox" is open in the center. The terminal displays the output of the installation script, showing the selection of packages, the installation of mininet-vm, and the creation of a directory structure. The terminal output is as follows:

```

File Machine View Input Devices Help
Reading state information... done
The following NEW packages will be installed:
tree
0 upgraded, 1 newly installed, 0 to remove and 181 not upgraded.
Need to get 36.7 kB of archives.
After this operation, 112 kB of additional disk space will be used.
WARNING: The following packages cannot be authenticated!
tree
Install these packages without verification? [y/N] y
Get:1 http://us.archive.ubuntu.com/ubuntu/trusty/universe tree 1.6.0-1 [36.7 kB]
Fetched 36.7 kB in 3s (11.1 kB/s)
Selecting previously unselected package tree.
(Reading database ... 73817 files and directories currently installed.)
Preparing to unpack .../archives/tree_1.6.0-1_1.6.0.deb ...
Unpacking tree (1.6.0-1) ...
Processing triggers for man-db (2.6.7.1-1ubuntu1) ...
Setting up tree (1.6.0-1) ...
mininet@mininet-vm:~$ tree -L 1

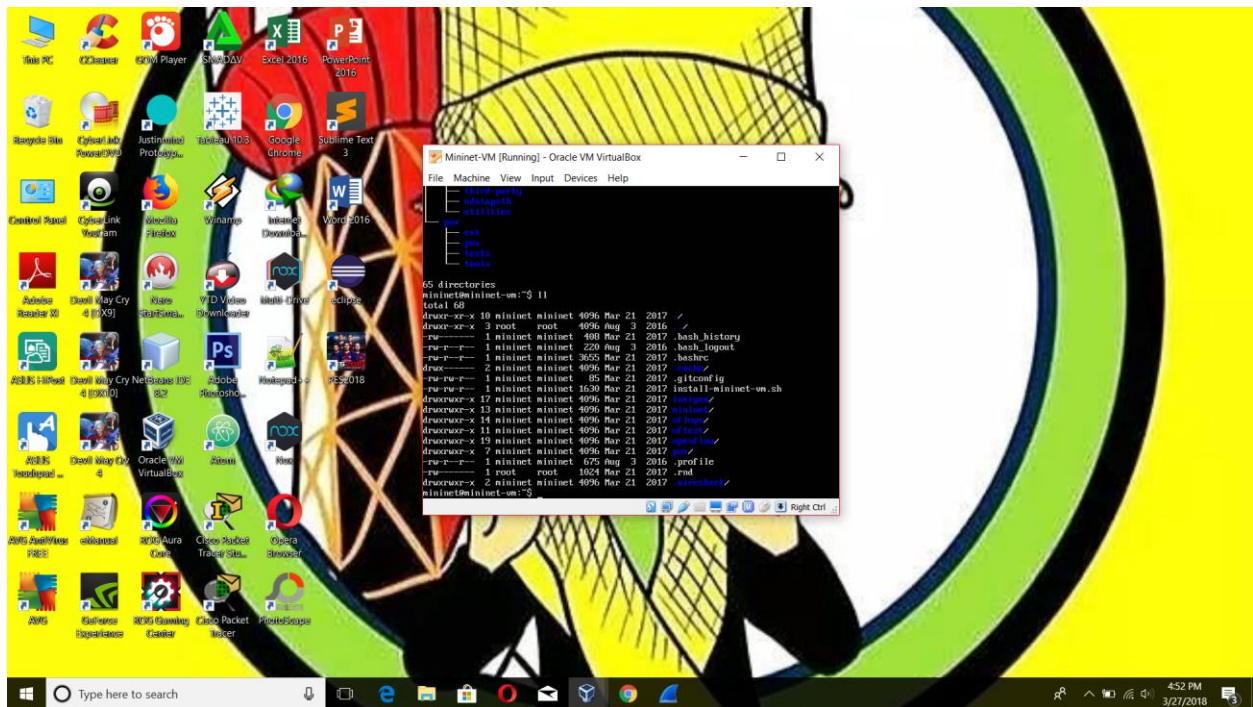
.
├── install-mininet-vm.sh
├── logs
├── mininet
├── of
├── ofhost
├── user
└── vm

0 directories, 1 file
mininet@mininet-vm:~$

```

[illegible]

mininet@mininet-vm:~/mininet/examples\$ ll

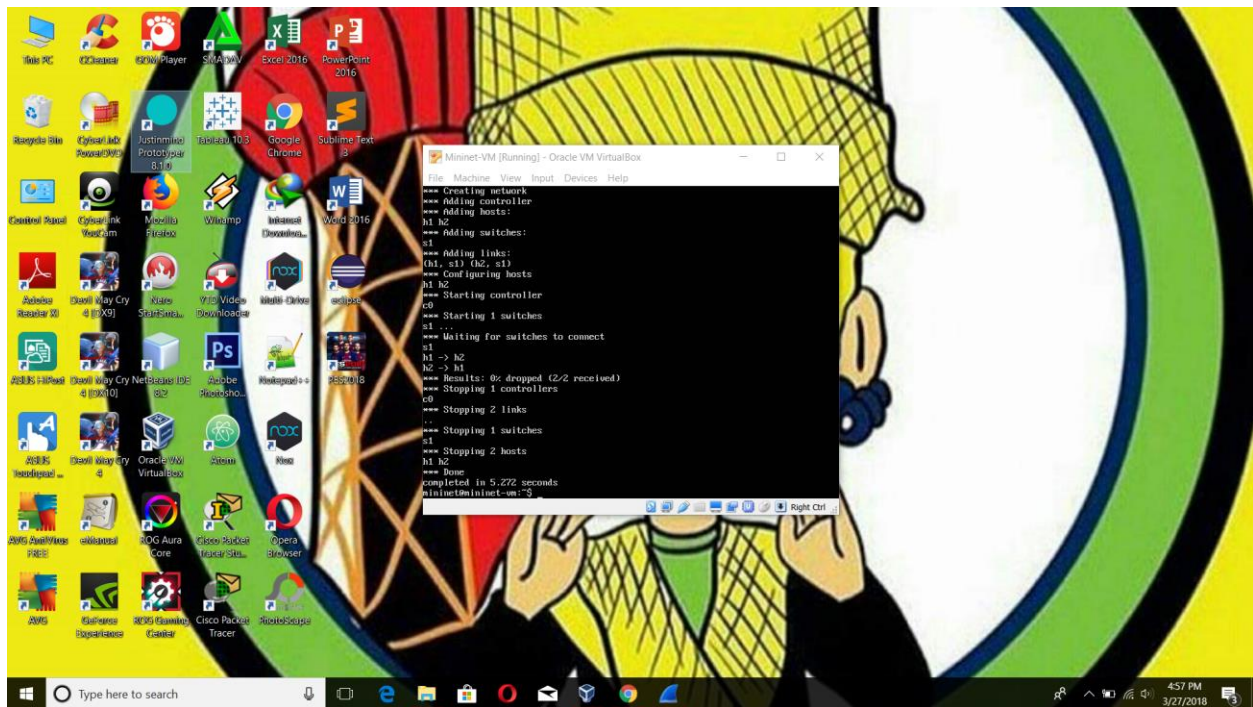


Notes Mininet Walkthrough

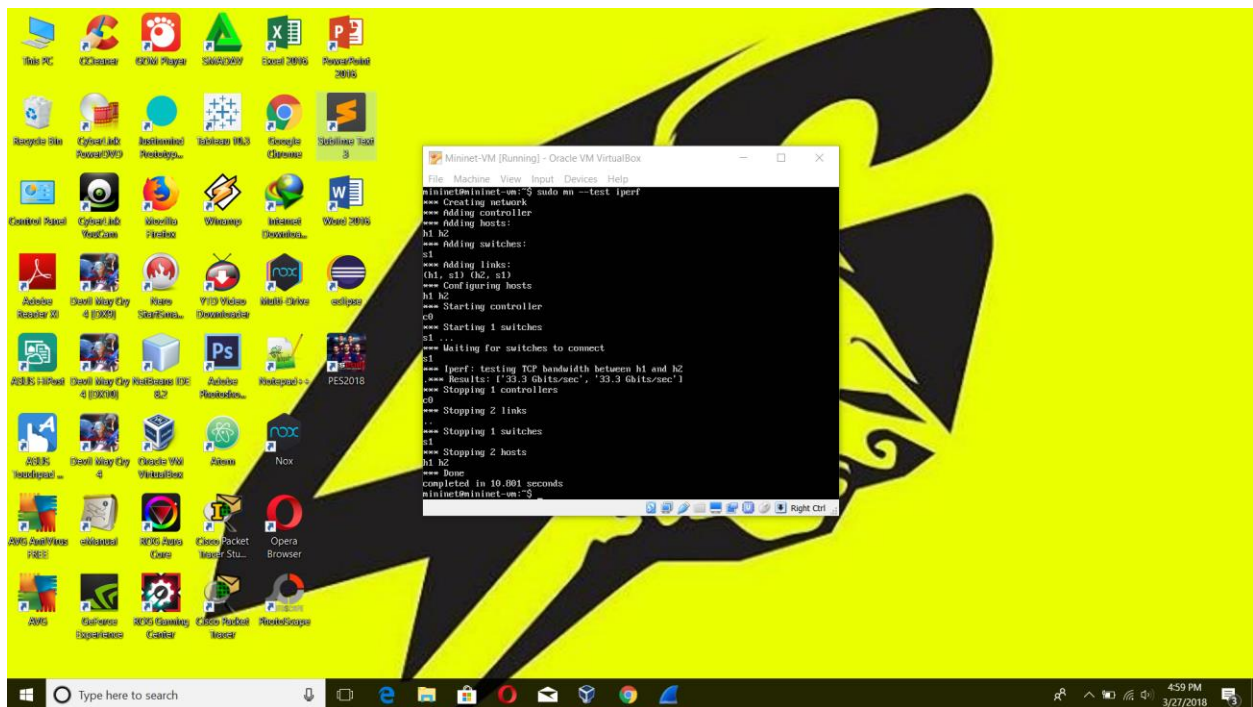
\$ sudo mn [--topo=minimal]



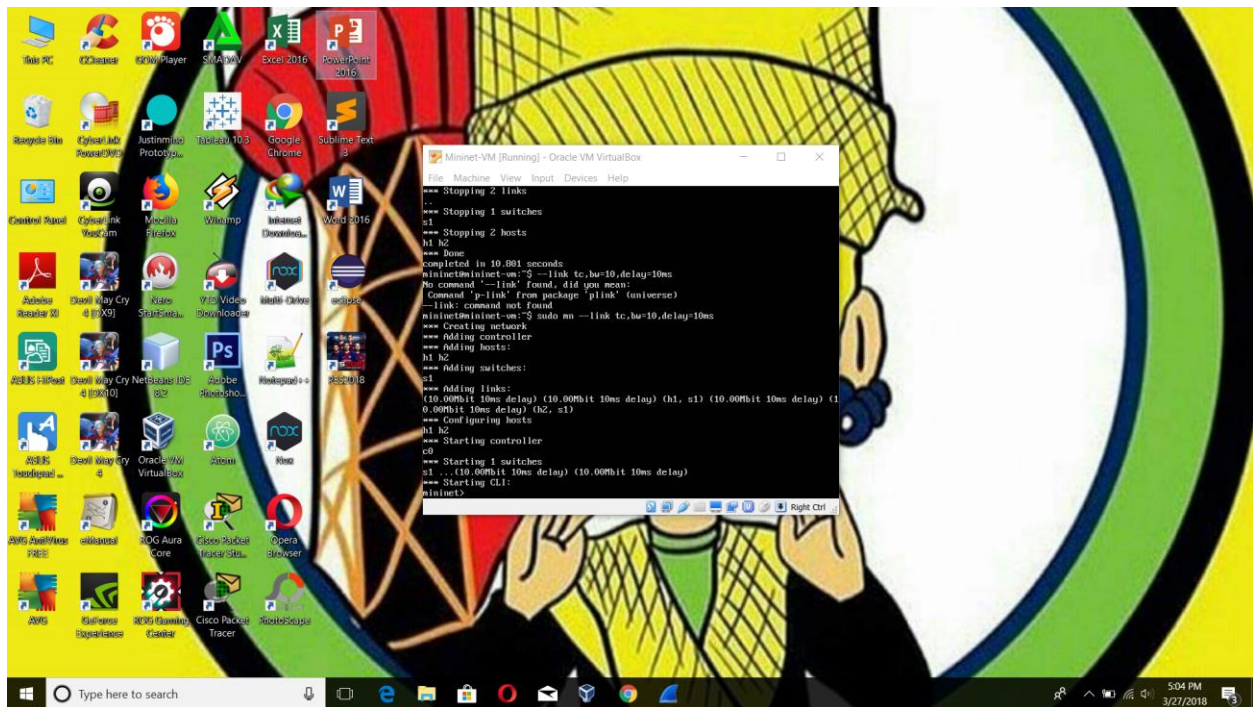
\$ sudo mn --test pingpair



\$ sudo mn --test iperf



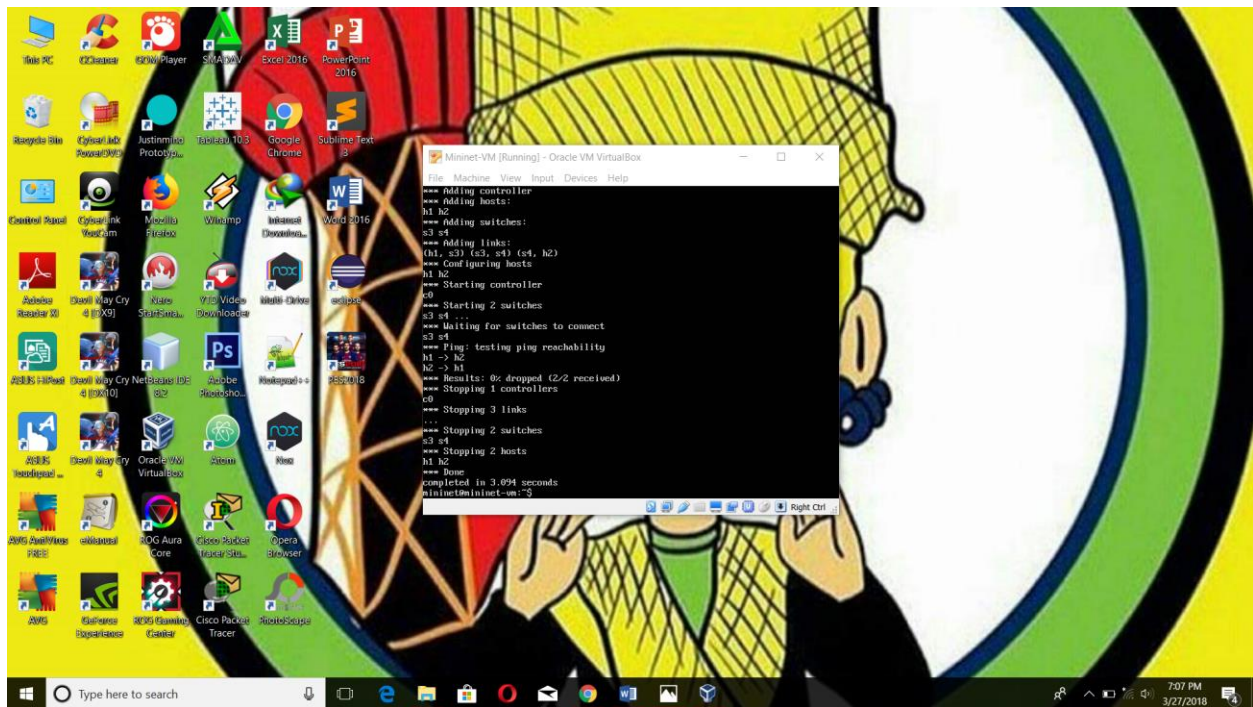
\$ sudo mn --link tc,bw=10,delay=10ms



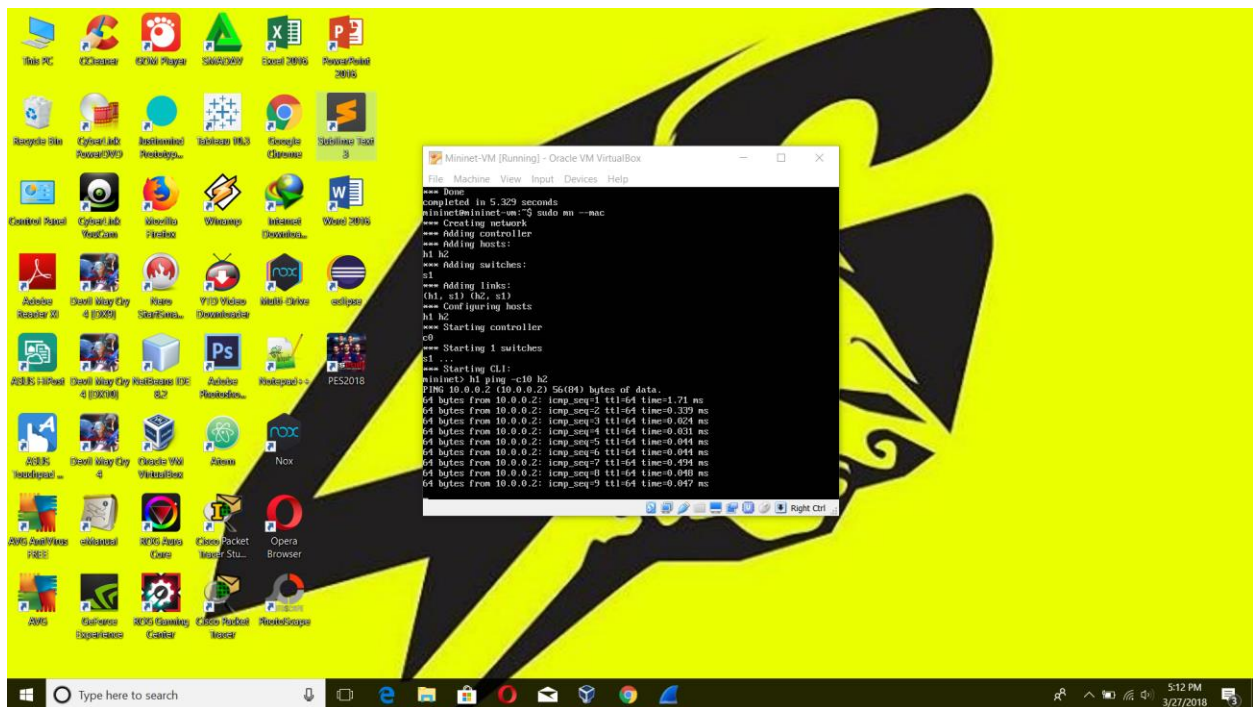
\$ sudo mn --test pingall --topo single,3



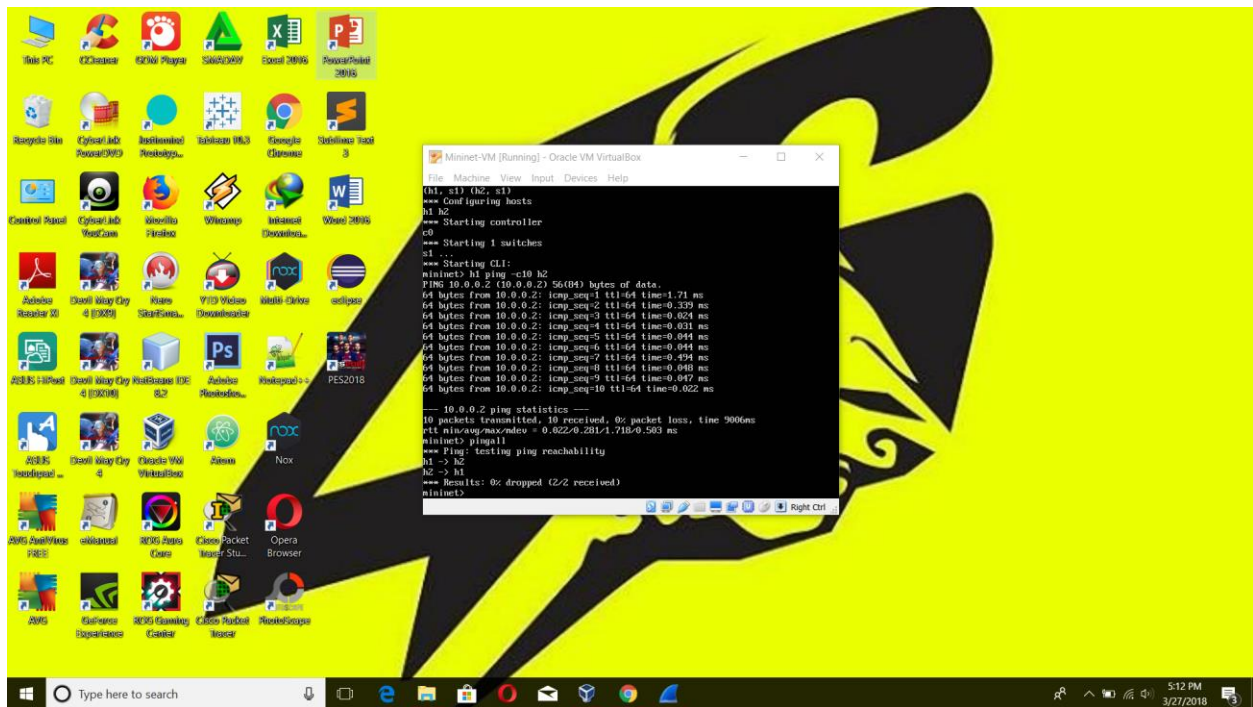
\$ sudo mn --test pingall --topo mytopo --custom ~/mininet/custom/topo-2sw-2host.py



\$ sudo mn --mac



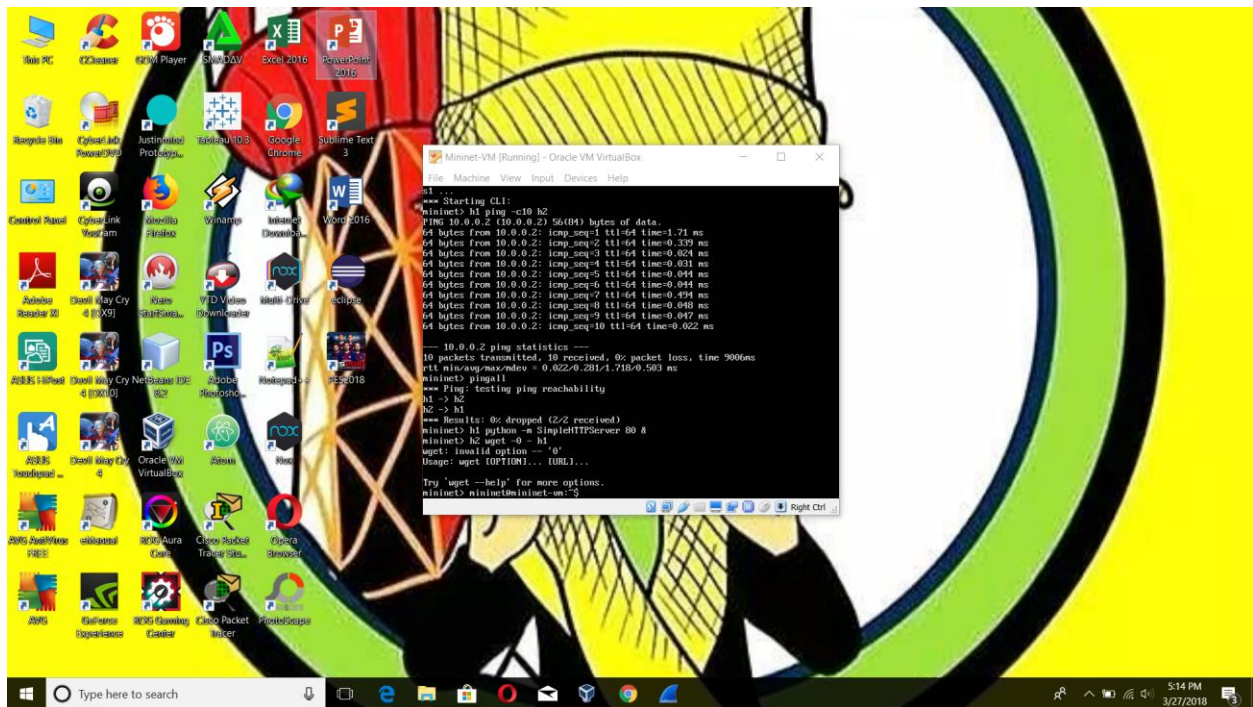
Mininet> h1 ping -c10 h2



Mininet> pingall



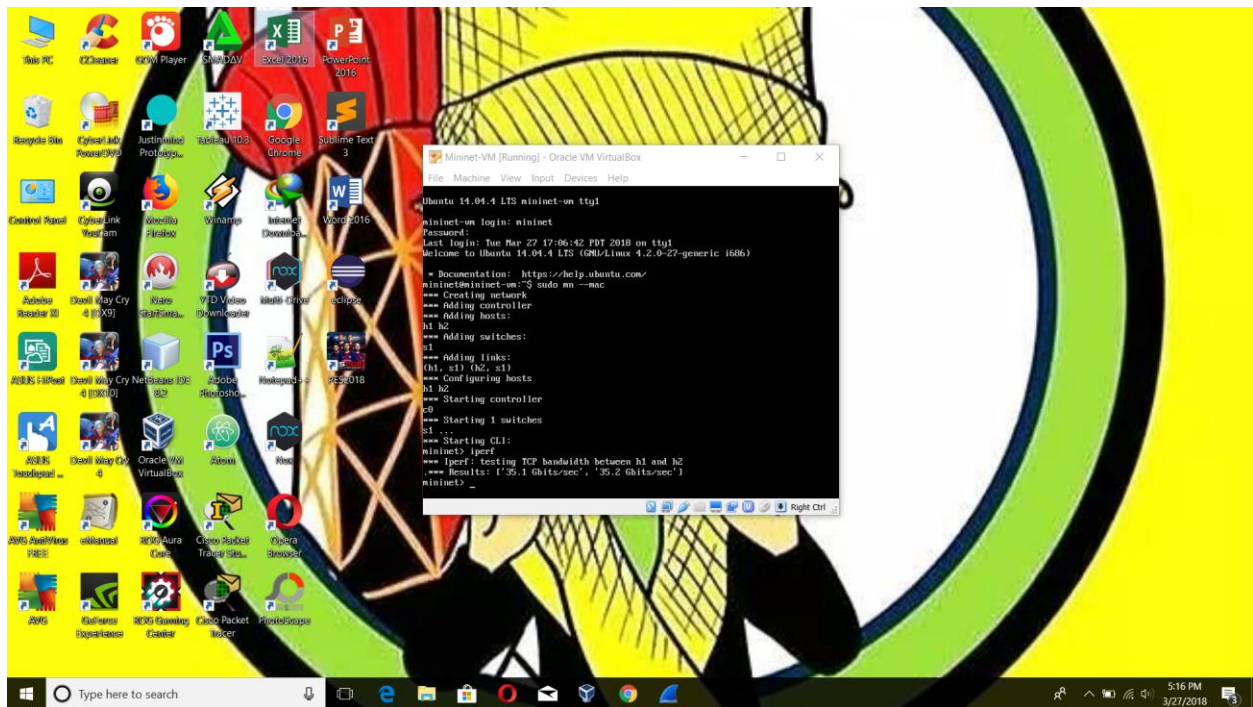
Mininet> h1 python -m SimpleHTTPServer 80 &



Mininet> h2 wget -O - h1



Mininet> iperf



Mininet> link s1 h1 down

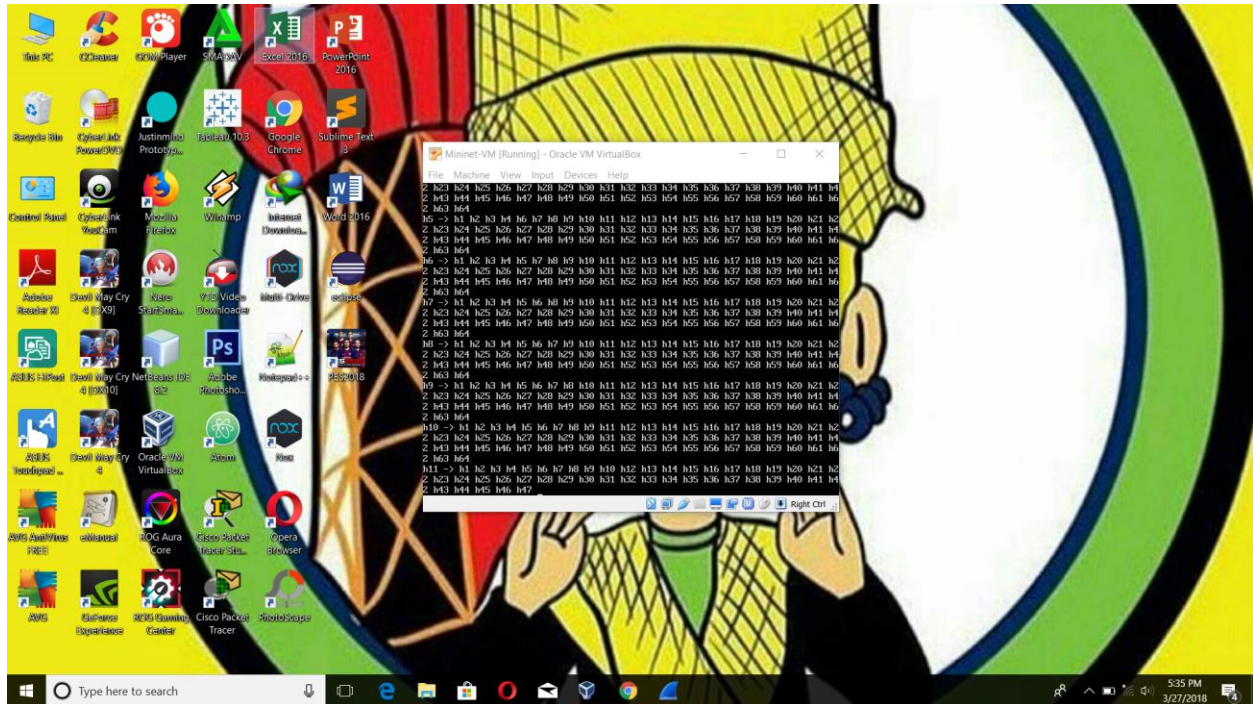


Mininet> link s1 h1 up



\$ sudo ~/mininet/examples/sshd.py



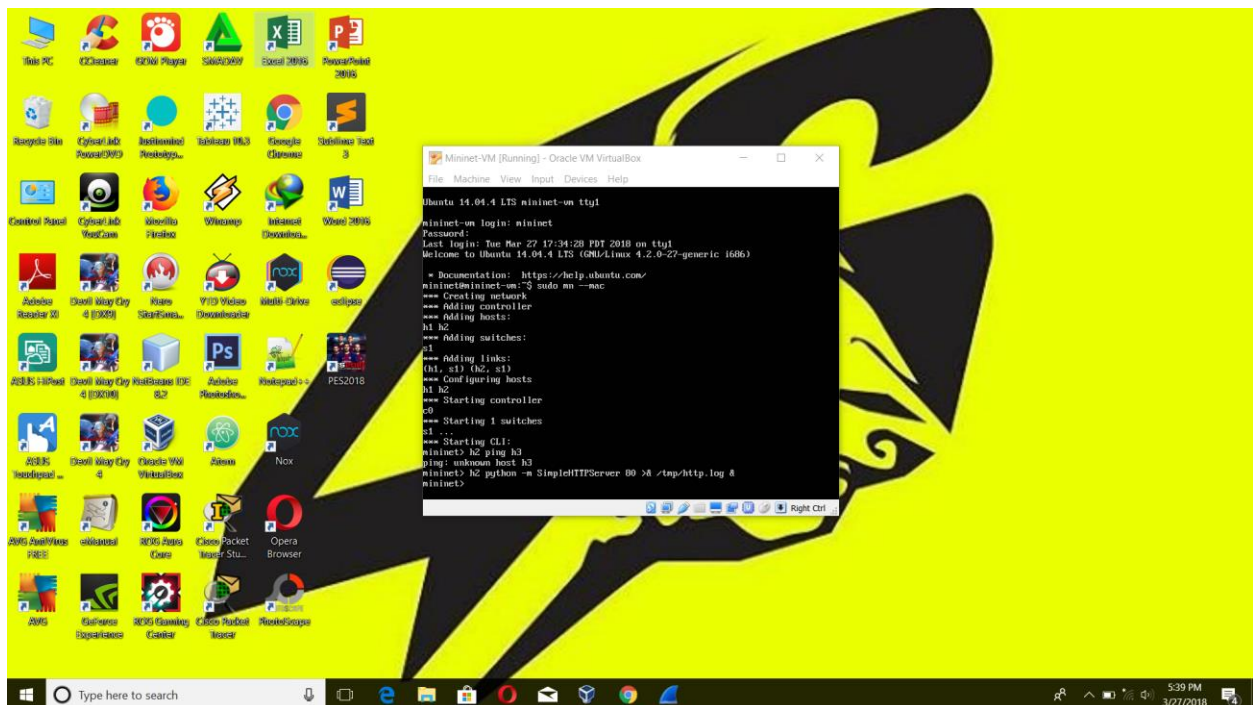


Interacting with a Network

Mininet> h2 ping h3



Mininet> h2 python -m SimpleHTTPServer 80 >& /tmp/http.log &



Mininet> h3 wget -O - h2

