

-Networking & System Administration Lab

Submitted by,

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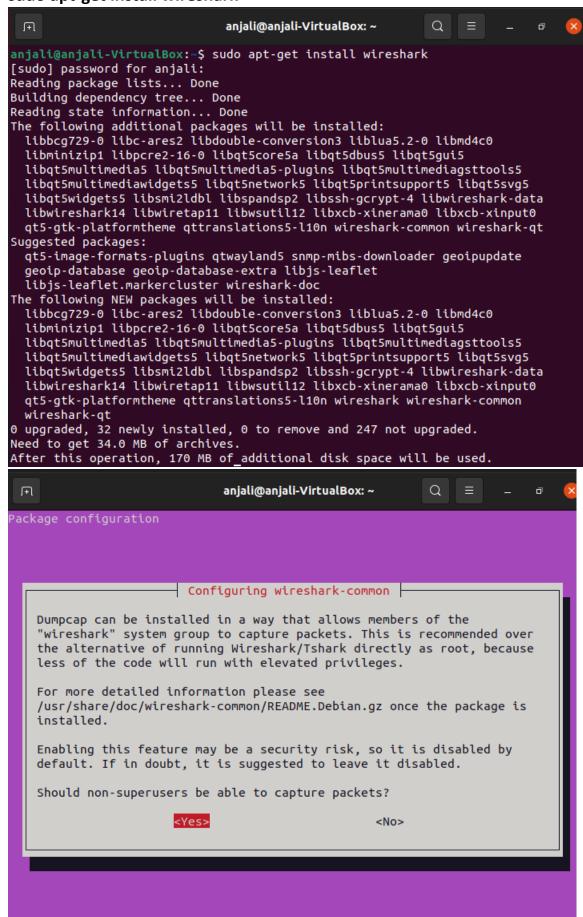
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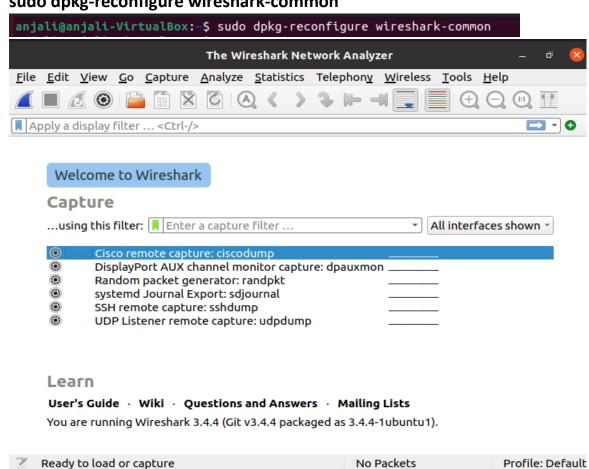
Submitted on:05-10-2021

Analyzing network packet stream using nc and wireshark

sudo apt-get install wireshark



sudo dpkg-reconfigure wireshark-common



Q (a) (b) Right Ctrl

sudo adduser \$USER wireshark

```
anjali@anjali-VirtualBox:~$ sudo adduser $USER wireshark
Adding user `anjali' to group `wireshark' ...
Adding user anjali to group wireshark
Done.
```

nc -z -c 10.0.2.255 20-80

```
anjali@anjali-VirtualBox:~$ nc -z -v 10.0.2.255 20-80
nc: connect to 10.0.2.255 port 20
                                     (tcp) failed: Network is unreachable
nc: connect to 10.0.2.255 port 21 (tcp) failed: Network is unreachable
nc: connect to 10.0.2.255 port 22 (tcp) failed: Network is unreachable nc: connect to 10.0.2.255 port 23 (tcp) failed: Network is unreachable
nc: connect to 10.0.2.255 port 24 (tcp) failed: Network is unreachable
                                     (tcp) failed: Network is unreachable
nc: connect to 10.0.2.255 port 25
                                      (tcp) failed: Network is unreachable
nc: connect to 10.0.2.255 port 26
                                     (tcp) failed: Network is unreachable (tcp) failed: Network is unreachable
nc: connect to 10.0.2.255 port 27
nc: connect to 10.0.2.255 port 28
nc: connect to 10.0.2.255 port 29
                                     (tcp) failed: Network is unreachable
                                     (tcp) failed: Network is unreachable
nc: connect to 10.0.2.255 port 30
nc: connect to 10.0.2.255 port
                                      (tcp) failed: Network is unreachable
                                      (tcp) failed: Network is unreachable
nc: connect to 10.0.2.255 port 32
                                      (tcp) failed: Network is unreachable
nc: connect to 10.0.2.255 port 33
                                      (tcp) failed: Network is unreachable
nc: connect to 10.0.2.255 port 34
                                      (tcp) failed: Network is unreachable
nc: connect to 10.0.2.255 port 35
                                      (tcp) failed: Network is unreachable
nc: connect to 10.0.2.255 port 36
nc: connect to 10.0.2.255 port 37
                                      (tcp)
                                            failed: Network is unreachable
nc: connect to 10.0.2.255 port 38
                                      (tcp) failed: Network is unreachable
                                      (tcp) failed: Network is unreachable
nc: connect to 10.0.2.255 port 39
nc: connect to 10.0.2.255 port 40
                                      (tcp) failed: Network is unreachable
nc: connect to 10.0.2.255 port 41
                                      (tcp) failed: Network is unreachable
                                      (tcp) failed: Network is unreachable
nc: connect to 10.0.2.255
                            port 42
                                      (tcp) failed: Network is unreachable
nc: connect to 10.0.2.255 port 43
nc: connect to 10.0.2.255 port 44 (tcp) failed: Network is unreachable nc: connect to 10.0.2.255 port 45 (tcp) failed: Network is unreachable
nc: connect to 10.0.2.255 port 46
                                     (tcp) failed: Network is unreachable
```