

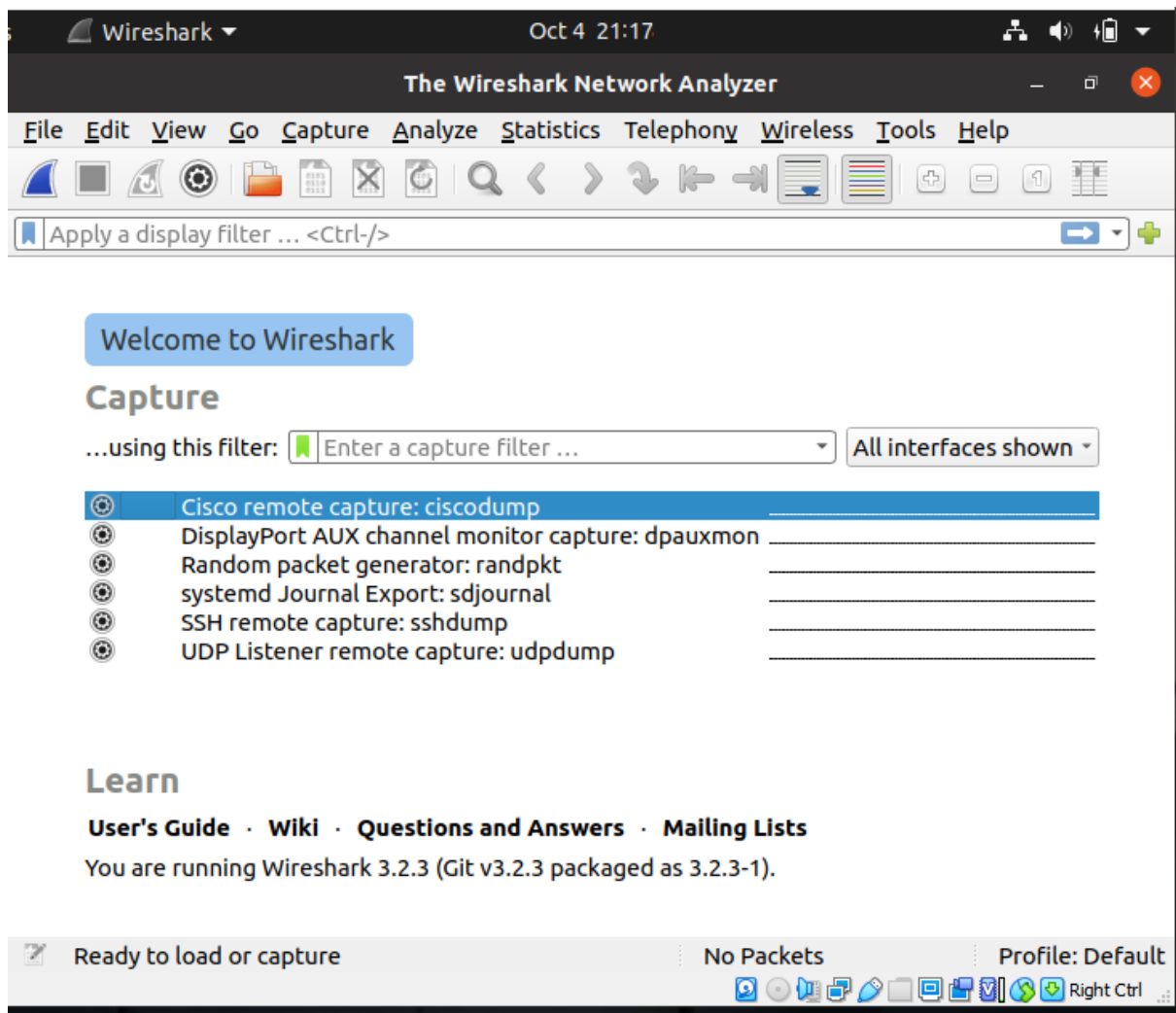
NETWORKING AND SYSTEM ADMINISTRATION LAB
WIRESHARK & NETCAT

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MCA A SEM 2
ROLL NO :40

sudo apt-get install wireshark

```
user@user-VirtualBox: ~  
user@user-VirtualBox:~$ sudo apt install wireshark  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
The following additional packages will be installed:  
  file-roller libc-ares2 libdouble-conversion3 liblua5.2-0 libpcre2-16-0  
  libqt5core5a libqt5dbus5 libqt5gui5 libqt5multimedia5  
  libqt5multimedia5-plugins libqt5multimediastools5  
  libqt5multimediawidgets5 libqt5network5 libqt5opengl5 libqt5printsupport5  
  libqt5svg5 libqt5widgets5 libsmi2ldbl libsnappy1v5 libspandsp2  
  libssh-gcrypt-4 libwireshark-data libwireshark13 libwiretap10 libwsutil11  
  libxcb-xinerama0 libxcb-xinput0 qt5-gtk-platformtheme qttranslations5-l10n  
  wireshark-common wireshark-qt  
Suggested packages:  
  p7zip-full arj lha lzip lzop ncompress rpm2cpio rzip sharutils unace unalzip  
 unar zoo qt5-image-formats-plugins qtwayland5 snmp-mibs-downloader  
  geopipupdate geopip-database geopip-database-extra libjs-leaflet  
  libjs-leaflet.markercluster wireshark-doc  
The following NEW packages will be installed:  
  libc-ares2 libdouble-conversion3 liblua5.2-0 libpcre2-16-0 libqt5core5a  
  libqt5dbus5 libqt5gui5 libqt5multimedia5 libqt5multimedia5-plugins  
  libqt5multimediastools5 libqt5multimediawidgets5 libqt5network5  
  libqt5opengl5 libqt5printsupport5 libqt5svg5 libqt5widgets5 libsmi2ldbl  
  libsnappy1v5 libspandsp2 libssh-gcrypt-4 libwireshark-data libwireshark13  
  libwiretap10 libwsutil11 libxcb-xinerama0 libxcb-xinput0  
  qt5-gtk-platformtheme qttranslations5-l10n wireshark wireshark-common  
  wireshark-qt  
The following packages will be upgraded:  
  file-roller
```

```
user@user-VirtualBox:~$ sudo dpkg-reconfigure wireshark-common  
[sudo] password for user:
```



Netcat

```
user@user-VirtualBox: ~  
user@user-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  
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  
nc: connect to 10.0.2.255 port 27 (tcp) failed: Network is unreachable  
nc: connect to 10.0.2.255 port 28 (tcp) failed: Network is unreachable  
nc: connect to 10.0.2.255 port 29 (tcp) failed: Network is unreachable  
nc: connect to 10.0.2.255 port 30 (tcp) failed: Network is unreachable  
nc: connect to 10.0.2.255 port 31 (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 (tcp) failed: Network is unreachable  
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  
nc: connect to 10.0.2.255 port 39 (tcp) failed: Network is unreachable  
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  
nc: connect to 10.0.2.255 port 42 (tcp) failed: Network is unreachable  
nc: connect to 10.0.2.255 port 43 (tcp) failed: Network is unreachable  
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  
nc: connect to 10.0.2.255 port 47 (tcp) failed: Network is unreachable
```