

ASSIGNMENT

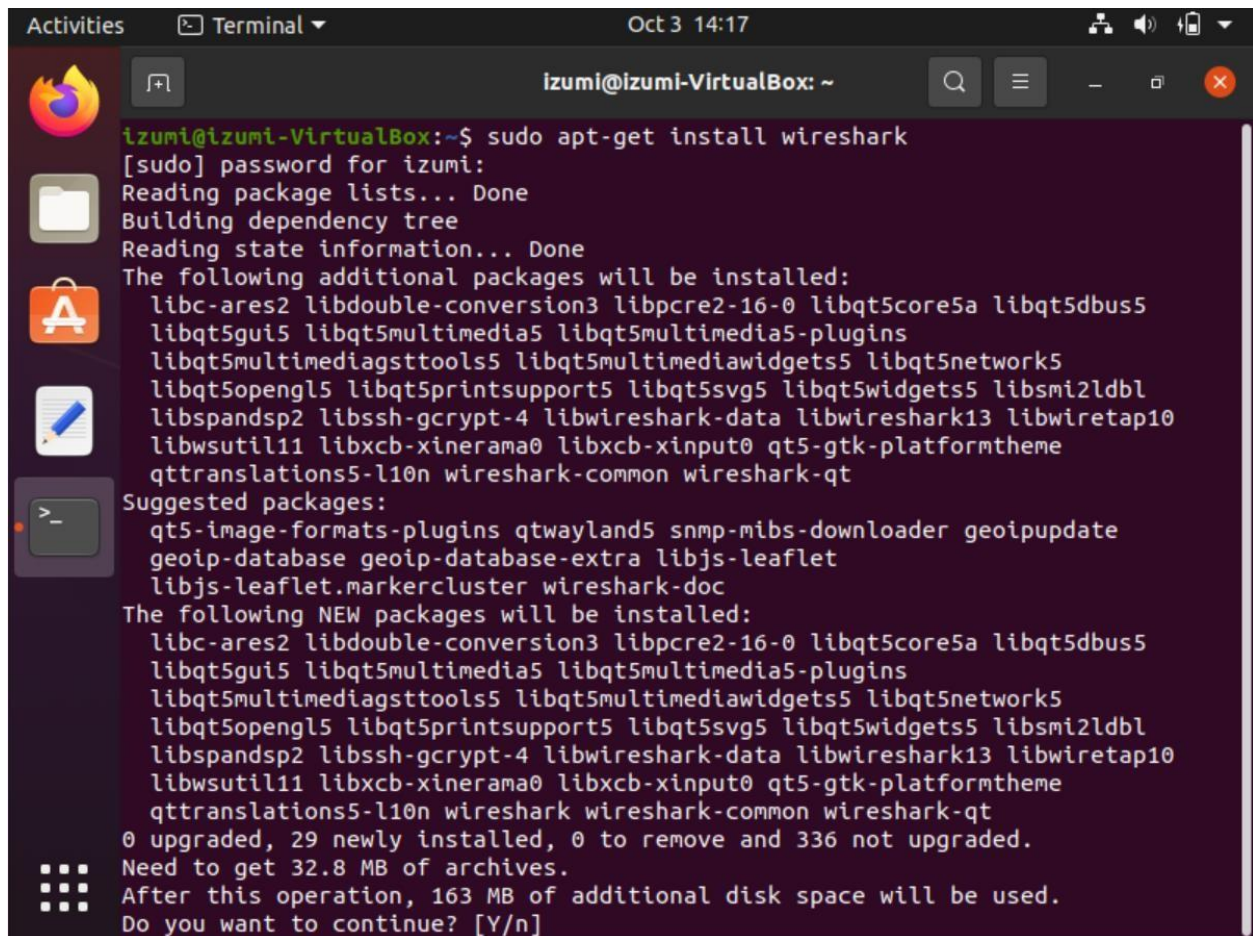
**SUBJECT: NETWORKING AND SYSTEM ADMINISTRATION
LAB**

TOPIC: ASSIGNMENT 11

**SUBMITTED ON:
05-10-2021**

**SUBMITTED BY:
ASHA S
ROLL NO: 26
BATCH: A
REGULAR MCA**

sudo apt-get install wireshark

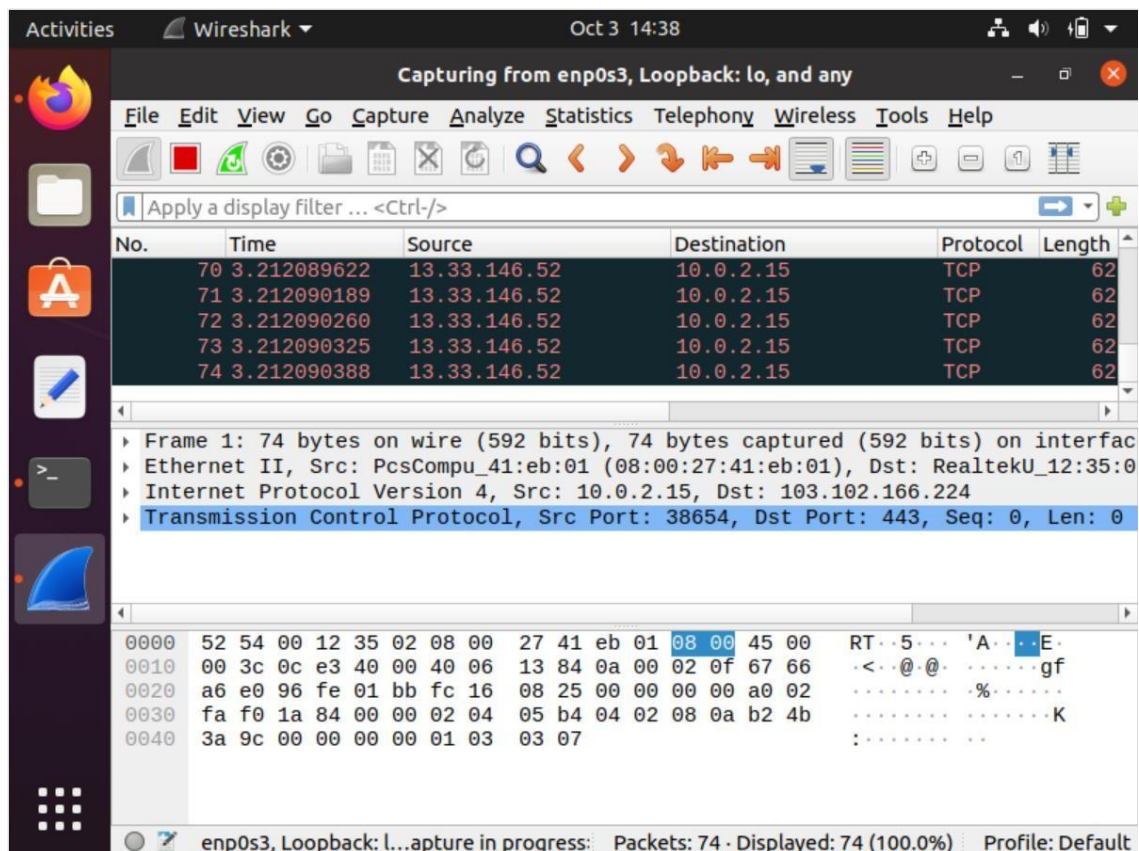
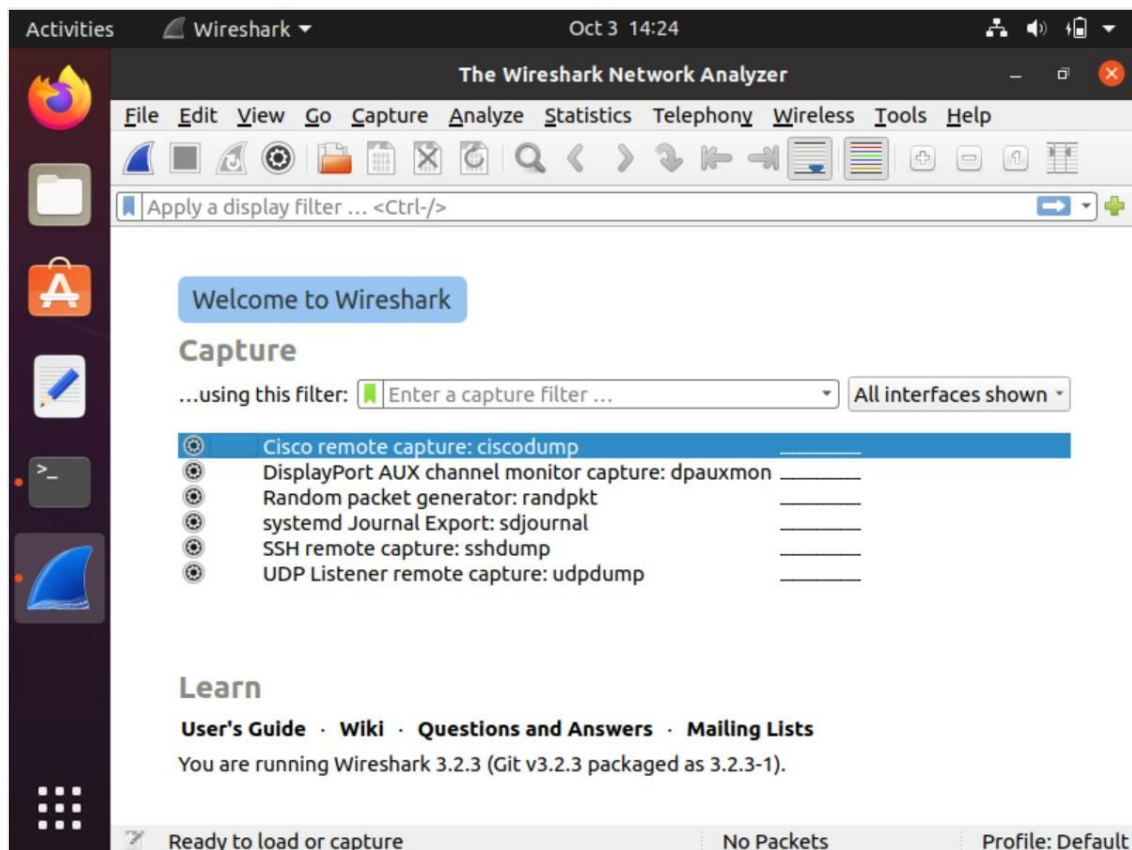


A terminal window titled "izumi@izumi-VirtualBox: ~" showing the command "sudo apt-get install wireshark". The output lists various dependencies and additional packages to be installed, including libares2, libdouble-conversion3, libpcr2-16-0, libqt5score5a, libqt5dbus5, libqt5gui5, libqt5multimedia5, libqt5multimedia5-plugins, libqt5multimediagsttools5, libqt5multimediawidgets5, libqt5network5, libqt5opengl5, libqt5sprintsupport5, libqt5svg5, libqt5widgets5, libsmi2ldbl, libspandsp2, libssh-gcrypt-4, libwireshark-data, libwireshark13, libwiretap10, libwsutil11, libxcb-xinerama0, libxcb-xinput0, qt5-gtk-platformtheme, qttranslations5-l10n, wireshark-common, and wireshark-qt. It also lists suggested packages like qt5-image-formats-plugins, qtwayland5, snmp-mibs-downloader, geoipupdate, geoip-database, geoip-database-extra, libjs-leaflet, libjs-leaflet.markercluster, and wireshark-doc. The terminal shows that 0 packages are upgraded, 29 are newly installed, 0 are to be removed, and 336 are not upgraded. It also indicates that 32.8 MB of archives are needed and that 163 MB of additional disk space will be used. The prompt "Do you want to continue? [Y/n]" is shown at the bottom.

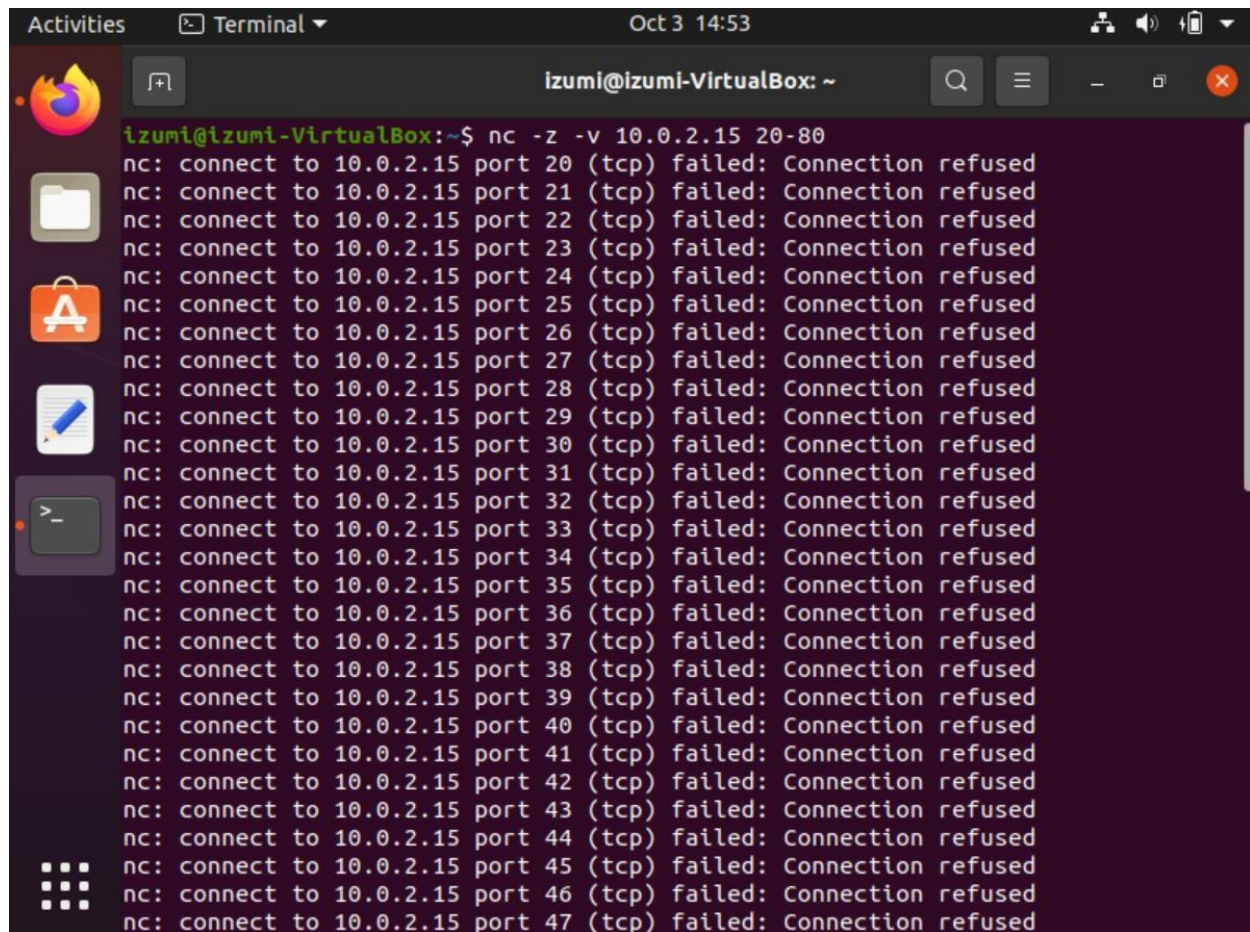
```
izumi@izumi-VirtualBox:~$ sudo apt-get install wireshark
[sudo] password for izumi:
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  libc-ares2 libdouble-conversion3 libpcr2-16-0 libqt5score5a libqt5dbus5
  libqt5gui5 libqt5multimedia5 libqt5multimedia5-plugins
  libqt5multimediagsttools5 libqt5multimediawidgets5 libqt5network5
  libqt5opengl5 libqt5sprintsupport5 libqt5svg5 libqt5widgets5 libsmi2ldbl
  libspandsp2 libssh-gcrypt-4 libwireshark-data libwireshark13 libwiretap10
  libwsutil11 libxcb-xinerama0 libxcb-xinput0 qt5-gtk-platformtheme
  qttranslations5-l10n wireshark-common wireshark-qt
Suggested packages:
  qt5-image-formats-plugins qtwayland5 snmp-mibs-downloader geoipupdate
  geoip-database geoip-database-extra libjs-leaflet
  libjs-leaflet.markercluster wireshark-doc
The following NEW packages will be installed:
  libc-ares2 libdouble-conversion3 libpcr2-16-0 libqt5score5a libqt5dbus5
  libqt5gui5 libqt5multimedia5 libqt5multimedia5-plugins
  libqt5multimediagsttools5 libqt5multimediawidgets5 libqt5network5
  libqt5opengl5 libqt5sprintsupport5 libqt5svg5 libqt5widgets5 libsmi2ldbl
  libspandsp2 libssh-gcrypt-4 libwireshark-data libwireshark13 libwiretap10
  libwsutil11 libxcb-xinerama0 libxcb-xinput0 qt5-gtk-platformtheme
  qttranslations5-l10n wireshark wireshark-common wireshark-qt
0 upgraded, 29 newly installed, 0 to remove and 336 not upgraded.
Need to get 32.8 MB of archives.
After this operation, 163 MB of additional disk space will be used.
Do you want to continue? [Y/n]
```

Sudo dpkg-reconfigure wireshark-common

```
izumi@izumi-VirtualBox:~$ sudo dpkg-reconfigure wireshark-common
izumi@izumi-VirtualBox:~$
```



Netcat



The image shows a terminal window titled "Terminal" with a timestamp of "Oct 3 14:53". The terminal is running a Netcat scan on the IP address 10.0.2.15, checking ports from 20 to 80. The output shows that all connections were refused.

```
izumi@izumi-VirtualBox: ~  
$ nc -z -v 10.0.2.15 20-80  
nc: connect to 10.0.2.15 port 20 (tcp) failed: Connection refused  
nc: connect to 10.0.2.15 port 21 (tcp) failed: Connection refused  
nc: connect to 10.0.2.15 port 22 (tcp) failed: Connection refused  
nc: connect to 10.0.2.15 port 23 (tcp) failed: Connection refused  
nc: connect to 10.0.2.15 port 24 (tcp) failed: Connection refused  
nc: connect to 10.0.2.15 port 25 (tcp) failed: Connection refused  
nc: connect to 10.0.2.15 port 26 (tcp) failed: Connection refused  
nc: connect to 10.0.2.15 port 27 (tcp) failed: Connection refused  
nc: connect to 10.0.2.15 port 28 (tcp) failed: Connection refused  
nc: connect to 10.0.2.15 port 29 (tcp) failed: Connection refused  
nc: connect to 10.0.2.15 port 30 (tcp) failed: Connection refused  
nc: connect to 10.0.2.15 port 31 (tcp) failed: Connection refused  
nc: connect to 10.0.2.15 port 32 (tcp) failed: Connection refused  
nc: connect to 10.0.2.15 port 33 (tcp) failed: Connection refused  
nc: connect to 10.0.2.15 port 34 (tcp) failed: Connection refused  
nc: connect to 10.0.2.15 port 35 (tcp) failed: Connection refused  
nc: connect to 10.0.2.15 port 36 (tcp) failed: Connection refused  
nc: connect to 10.0.2.15 port 37 (tcp) failed: Connection refused  
nc: connect to 10.0.2.15 port 38 (tcp) failed: Connection refused  
nc: connect to 10.0.2.15 port 39 (tcp) failed: Connection refused  
nc: connect to 10.0.2.15 port 40 (tcp) failed: Connection refused  
nc: connect to 10.0.2.15 port 41 (tcp) failed: Connection refused  
nc: connect to 10.0.2.15 port 42 (tcp) failed: Connection refused  
nc: connect to 10.0.2.15 port 43 (tcp) failed: Connection refused  
nc: connect to 10.0.2.15 port 44 (tcp) failed: Connection refused  
nc: connect to 10.0.2.15 port 45 (tcp) failed: Connection refused  
nc: connect to 10.0.2.15 port 46 (tcp) failed: Connection refused  
nc: connect to 10.0.2.15 port 47 (tcp) failed: Connection refused
```