NETWORKING AND SYSTEM ADMINISTRATION LAB

ASSIGNMENT
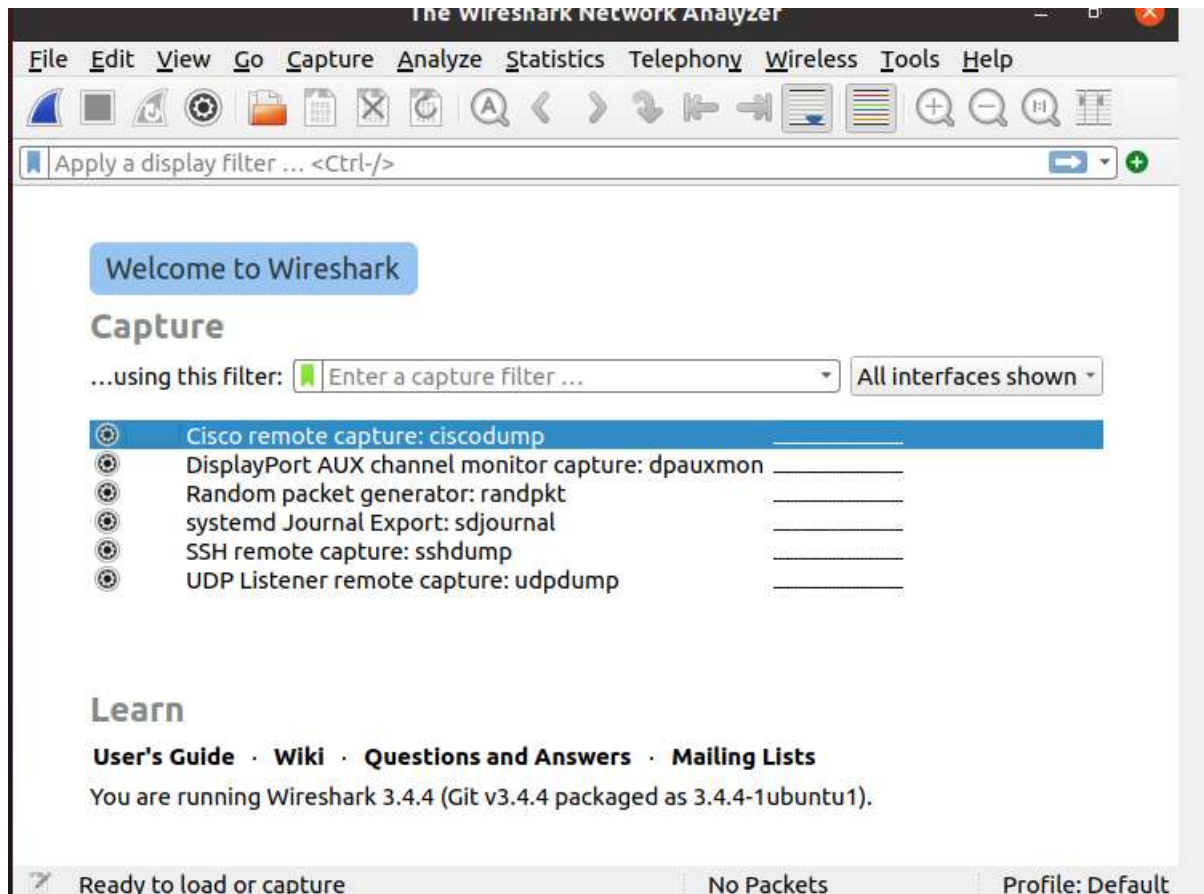
WIRESHARK & NETCAT

SUBMITTED BY
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ROLL NO: 31

sudo apt-get install wireshark


```
swathy@swathy-VirtualBox:~/Desktop$ sudo apt-get install wireshark
[sudo] password for swathy:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  libbcg729-0 libc-ares2 libdouble-conversion3 liblua5.2-0 libmd4c0
  libminizip1 libpcre2-16-0 libqt5core5a libqt5dbus5 libqt5gui5
  libqt5multimedia5 libqt5multimedia5-plugins libqt5multimediagsttools5
  libqt5multimediawidgets5 libqt5network5 libqt5printsupport5 libqt5svg5
  libqt5widgets5 libsmi2ldbl libspandsp2 libssh-gcrypt-4 libwireshark-data
  libwireshark14 libwiretap11 libwsutil12 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:
  libbcg729-0 libc-ares2 libdouble-conversion3 liblua5.2-0 libmd4c0
  libminizip1 libpcre2-16-0 libqt5core5a libqt5dbus5 libqt5gui5
  libqt5multimedia5 libqt5multimedia5-plugins libqt5multimediagsttools5
  libqt5multimediawidgets5 libqt5network5 libqt5printsupport5 libqt5svg5
  libqt5widgets5 libsmi2ldbl libspandsp2 libssh-gcrypt-4 libwireshark-data
  libwireshark14 libwiretap11 libwsutil12 libxcb-xinerama0 libxcb-xinput0
  qt5-gtk-platformtheme qttranslations5-l10n wireshark wireshark-common
  wireshark-qt
0 upgraded, 32 newly installed, 0 to remove and 258 not upgraded.
Need to get 3,365 kB/34.0 MB of archives.
After this operation, 170 MB of additional disk space will be used.
```

sudo dpkg-reconfigure wireshark-common

Netcat

```
swathy@swathy-VirtualBox:~/Desktop$ 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
```