

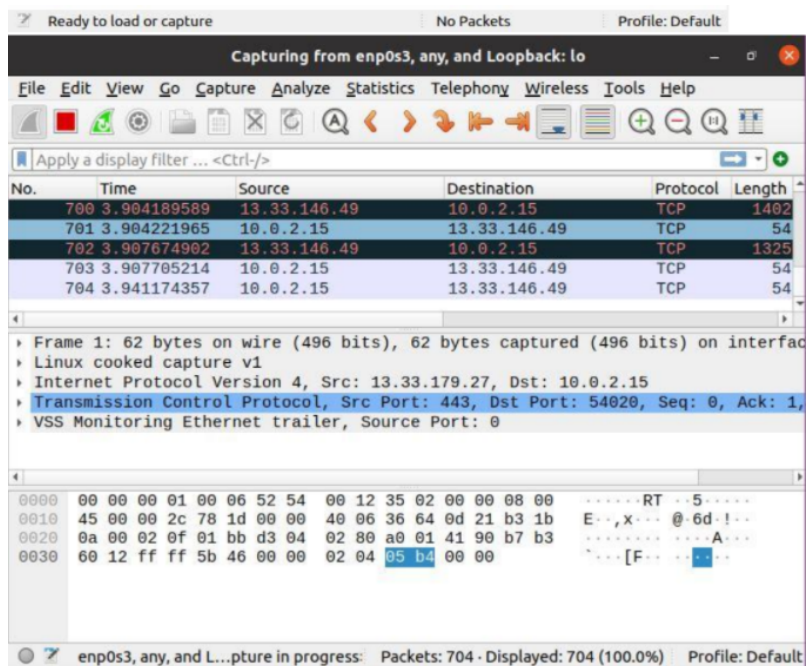
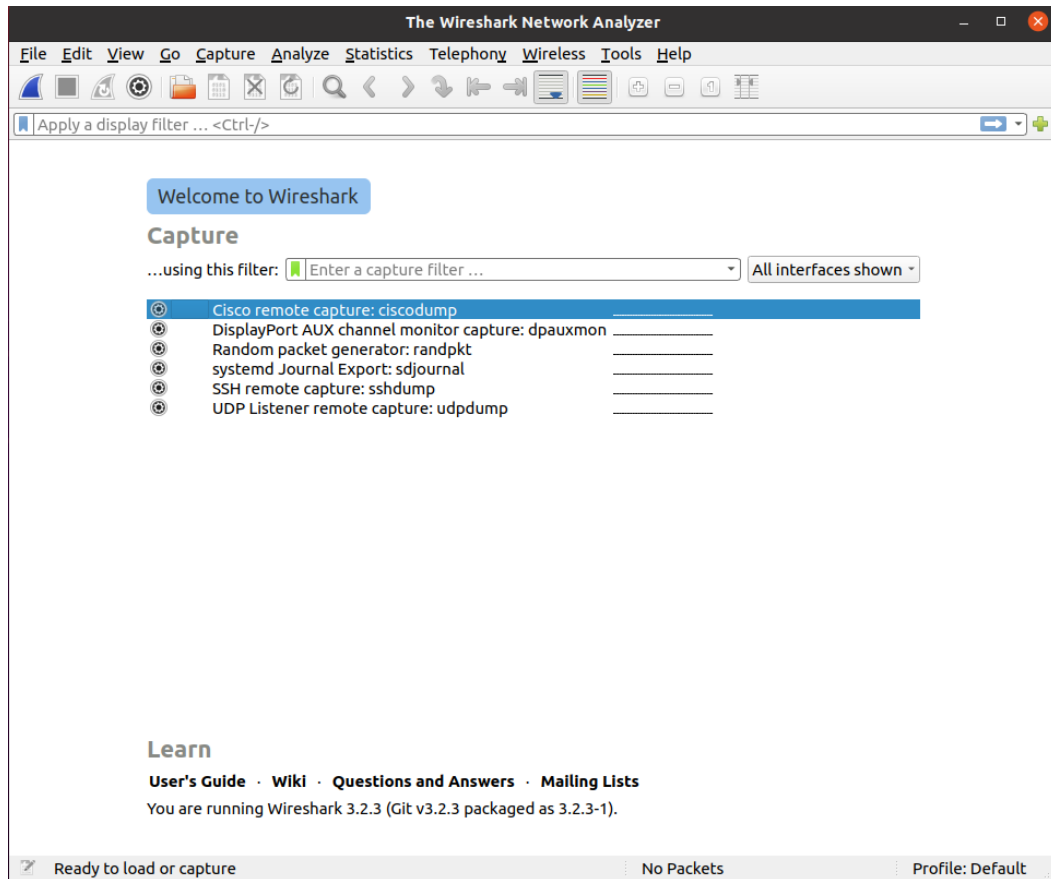
Analyzing network packet stream using wireshark. Perform basic network service tests using nc.

sudo apt-get install wireshark

```
ashish@ubuntu:~$ sudo apt-get install wireshark
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following package was automatically installed and is no longer required:
  libzip5
Use 'sudo apt autoremove' to remove it.
The following additional packages will be installed:
  libdouble-conversion3 libpcre2-16-0 libqt5core5a libqt5dbus5 libqt5gui5 libqt5multimedia5 libqt5multimedia5-plugins libqt5multimedia5-gsttools5 libqt5multimedia5-widgets5
  libqt5network5 libqt5opengl5 libqt5sprintsupport5 libqt5svg5 libqt5widgets5 libsm12ldbl libspandsp2 libssh-gcrypt-4 libwireshark-data libwireshark3 libwireshark3 libwireshark3 libwireshark3
  libxcb-xinerama0 libxcb-xinput0 qt5-gtk-platformtheme qttranslations5-l10n wireshark-common wireshark-qt
Suggested packages:
  qt5-image-formats-plugins qtwayland5 snmp-mibs-downloader geolipupdate geolip-database geolip-database-extra libjs-leaflet libjs-leaflet.markercluster wireshark-doc
The following NEW packages will be installed:
  libdouble-conversion3 libpcre2-16-0 libqt5core5a libqt5dbus5 libqt5gui5 libqt5multimedia5 libqt5multimedia5-plugins libqt5multimedia5-gsttools5 libqt5multimedia5-widgets5
  libqt5network5 libqt5opengl5 libqt5sprintsupport5 libqt5svg5 libqt5widgets5 libsm12ldbl libspandsp2 libssh-gcrypt-4 libwireshark-data libwireshark3 libwireshark3 libwireshark3 libwireshark3
  libxcb-xinerama0 libxcb-xinput0 qt5-gtk-platformtheme qttranslations5-l10n wireshark wireshark-common wireshark-qt
0 upgraded, 28 newly installed, 0 to remove and 25 not upgraded.
Need to get 2,190 kB/32.8 MB of archives.
After this operation, 163 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://us.archive.ubuntu.com/ubuntu focal/universe amd64 libqt5core5a amd64 5.12.8+dfsg-0ubuntu1 [2,005 kB]
Get:2 http://ppa.launchpad.net/ondrej/php/ubuntu focal/main amd64 libpcre2-16-0 amd64 10.36-2+ubuntu20.04.1+deb.sury.org+2 [184 kB]
Fetched 2,092 kB in 11s (198 kB/s)
Preconfiguring packages ...
Selecting previously unselected package libdouble-conversion3:amd64.
(Reading database ... 215187 files and directories currently installed.)
Preparing to unpack .../00-libdouble-conversion3_3.1.5-4ubuntu1_amd64.deb ...
Unpacking libdouble-conversion3:amd64 (3.1.5-4ubuntu1) ...
Selecting previously unselected package libpcre2-16-0:amd64.
Preparing to unpack .../01-libpcre2-16-0_10.36-2+ubuntu20.04.1+deb.sury.org+2_amd64.deb ...
Unpacking libpcre2-16-0:amd64 (10.36-2+ubuntu20.04.1+deb.sury.org+2) ...
Selecting previously unselected package libqt5core5a:amd64.
Preparing to unpack .../02-libqt5core5a_5.12.8+dfsg-0ubuntu1_amd64.deb ...
Unpacking libqt5core5a:amd64 (5.12.8+dfsg-0ubuntu1) ...
Selecting previously unselected package libqt5dbus5:amd64.
Preparing to unpack .../03-libqt5dbus5_5.12.8+dfsg-0ubuntu1_amd64.deb ...
Unpacking libqt5dbus5:amd64 (5.12.8+dfsg-0ubuntu1) ...
Selecting previously unselected package libqt5network5:amd64.
Preparing to unpack .../04-libqt5network5_5.12.8+dfsg-0ubuntu1_amd64.deb ...
Unpacking libqt5network5:amd64 (5.12.8+dfsg-0ubuntu1) ...
Selecting previously unselected package libxcb-xinerama0:amd64.
Preparing to unpack .../05-libxcb-xinerama0_1.14-2_amd64.deb ...
Unpacking libxcb-xinerama0:amd64 (1.14-2) ...
```

sudo dpkg-reconfigure wireshark-common

```
ashish@ubuntu:~$ sudo dpkg-reconfigure wireshark-common
ashish@ubuntu:~$
```



[illegible]