Networks Lab: Assignment-2

Anupama S

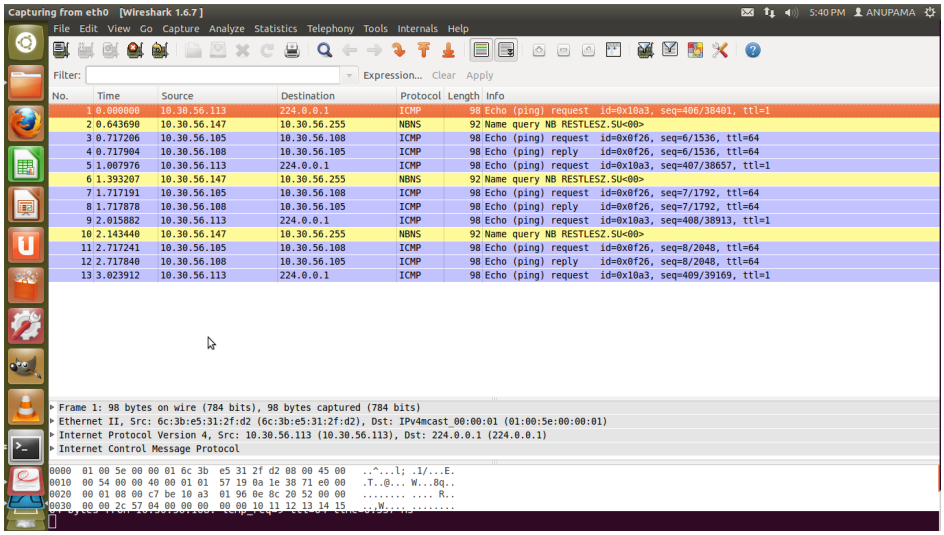
Contents

Problem 1

1. Install wireshark.
sudo apt-get install wireshark
2. Do an ARP flush.
sudo ip neigh flush all

```
anupama@anupama-HP-Compaq-Pro-6300-MT:~$ sudo ip neigh flush all
anupama@anupama-HP-Compaq-Pro-6300-MT:~$ arp -n
Address                  HWtype  HWaddress           Flags Mask            Iface
10.30.56.113                     (incomplete)                              eth0
10.30.56.108                     (incomplete)                              eth0
10.30.56.1                       (incomplete)                              eth0
anupama@anupama-HP-Compaq-Pro-6300-MT:~$
```

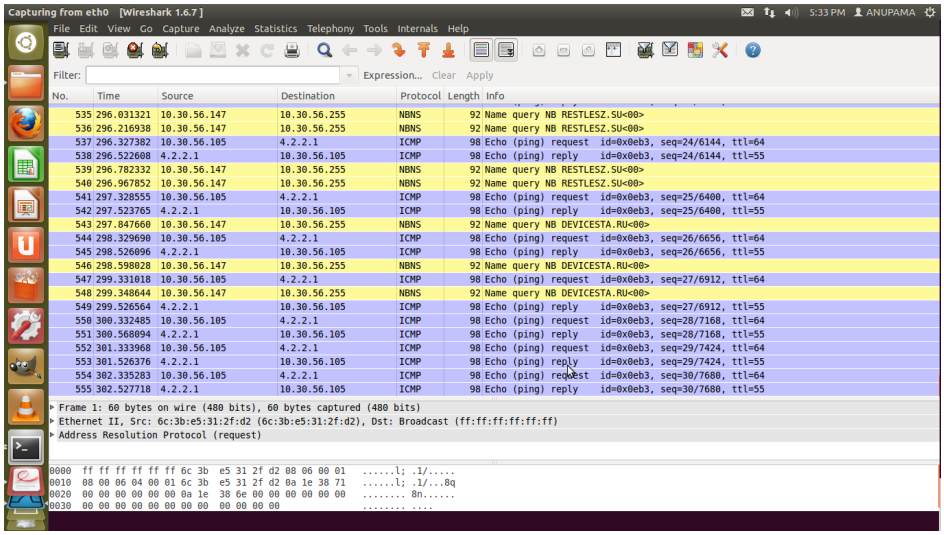
3. Ping a local machine.
ping 10.30.56.108



arp -n

```
anupama@anupama-HP-Compaq-Pro-6300-MT:~$ arp -n
Address                  HWtype  HWaddress           Flags Mask            Iface
10.30.56.108             ether   ac:16:2d:0e:ea:00   C                     eth0
10.30.56.1               ether   00:1f:9d:f2:bc:c9   C                     eth0
anupama@anupama-HP-Compaq-Pro-6300-MT:~$
```

4. Ping 4.2.2.1
ping 4.2.2.1



5. Determine MAC address values of a)multicast b)broadcast
a)ping 224.0.0.1 MAC address: 33:33:00:00:00:fb
b)MAC address: ff:ff:ff:ff:ff:ff