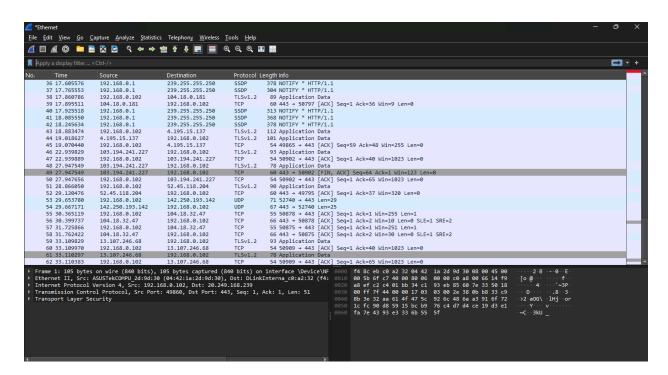
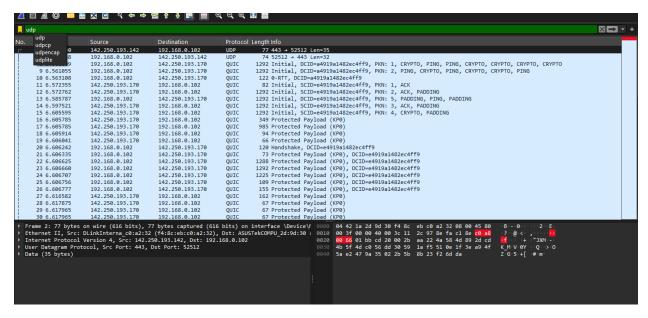
Wireshark Tool Usage:

Starting to capture and filter based on UDP protocol is done here.





Using "tcpdump" command in Linux:

Capturing packets passing in Ethernet 0:

```
| Comparison | Co
```

Filtering using IP address

```
| Case |
```

Reading Captured packets in a file for further analysis:

```
(makunochiippo@makunochi)-[~]
$ undo tcpdump -1 eth0 -w capture.pcap

tcpdump: listening on eth0 .link-type EN10MB (Ethernet), snapshot length 262144 bytes

^c36 packets captured
36 packets captured
36 packets dropped by kernel

(makunochiippo@makunochi)-[~]

**[makunochiippo@makunochi]-[~]

**[stening from fice first trees cap, link-type EN10MB (Ethernet), snapshot length 262144

10:31:35.67:9207 ARP, Request who-has 192.168.32.2 tell 192.168.32.1, length 46

10:31:35.67:9207 ARP, Request who-has 192.168.32.2 tell 192.168.32.1, length 46

10:31:35.68:0139 ARP, Request who-has 192.168.32.2 tell 192.168.32.1, length 46

10:31:44.294:587 ARP, Request who-has 192.168.32.2 tell 192.168.32.1, length 46

10:31:46.17:9056 ARP, Request who-has 192.168.32.2 tell 192.168.32.1, length 46

10:31:47.31:48.17:9056 ARP, Request who-has 192.168.32.2 tell 192.168.32.1, length 46

10:31:48.18:3359 ARP, Request who-has 192.168.32.2 tell 192.168.32.1, length 46

10:31:48.18:3359 ARP, Request who-has 192.168.32.2 tell 192.168.32.1, length 46

10:31:48.18:3359 ARP, Request who-has 192.168.32.2 tell 192.168.32.1, length 46

10:31:48.18:3359 ARP, Request who-has 192.168.32.2 tell 192.168.32.1, length 46

10:31:31:49.36:68 ARP, Request who-has 192.168.32.2 tell 192.168.32.1, length 46

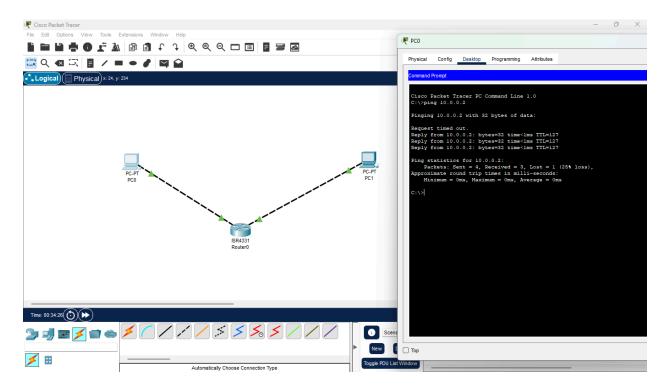
10:31:31:57.36*621 ARP, Request who-has 192.168.32.2 tell 192.168.32.1, length 46

10:31:31:57.36*621 ARP, Request who-has 192.168.32.2 tell 192.168.32.1, length 46

10:31:57.39*25**PR, Request who-has 192.168.3
```

Using Cisco Packet Tracer tool:

Providing a connection for 2 PC's through router and establishing the network



ICMP packets receiving access is provided using router configuring:

Router>enable

Router#configure terminal

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#access-list 100 permit icmp any any

Router(config)#access-list 100 deny icmp any any

Router(config)#interface GigabitEthernet 0/0/0

Router(config-if)#ip access-group 100 in

Router(config-if)#exit

Router(config)#exit

Router#

%SYS-5-CONFIG_I: Configured from console by console

Router#write memory

Building configuration...

[OK]

Router#

Router#