

Shri Vile Parle Kelavani Mandal's

DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING



(Autonomous College Affiliated to the University of Mumbai) NAAC Accredited with "A" Grade (CGPA: 3.18)

AIM:Perform Packet Capture and Sniff IP traffic using Wireshark.

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Conclusion: Thus, we have performed packet copture and striffed IP traffic Usity wireshork.

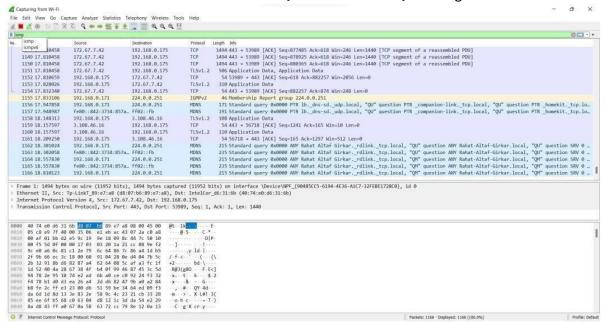
Capturing ICMP Packets:

C:\Users\Marwin Shroff>ping 8.8.8.8 Pinging 8.8.8.8 with 32 bytes of data: Reply from 8.8.8.8: bytes=32 time=5ms TTL=119

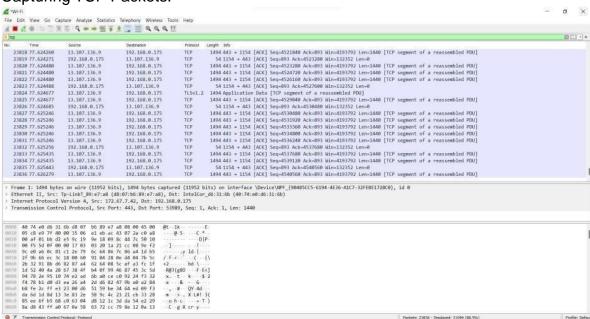
Reply from 8.8.8.8: bytes=32 time=6ms TTL=119 Reply from 8.8.8.8: bytes=32

time=2ms TTL=119

Reply from 8.8.8.8: bytes=32 time=3ms TTL=119 Ping statistics for 8.8.8.8: Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds: Minimum = 2ms, Maximum = 6ms, Average = 4ms



Capturing TCP Packets:



Capturing FTP Packets:

C:\Users\Marwin Shroff>ftp ftp.cdc.gov Connected to

ftp.cdc.gov. 220 Microsoft FTP Service

200 OPTS UTF8 command successful - UTF8 encoding

now ON. User (ftp.cdc.gov:(none)): anonymous

331 Anonymous access allowed, send identity (e-mail name) as $% \left(1\right) =\left(1\right) \left(1\right)$

password. Password: 230 User logged in.

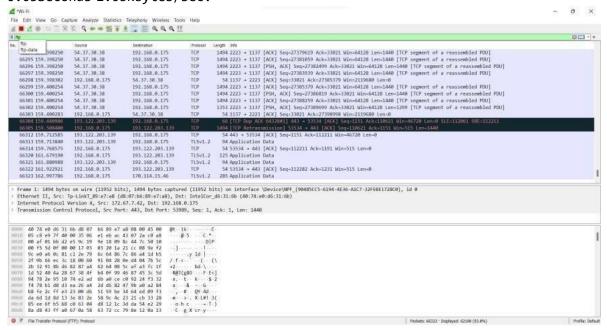
ftp> ls

200 PORT command successful.

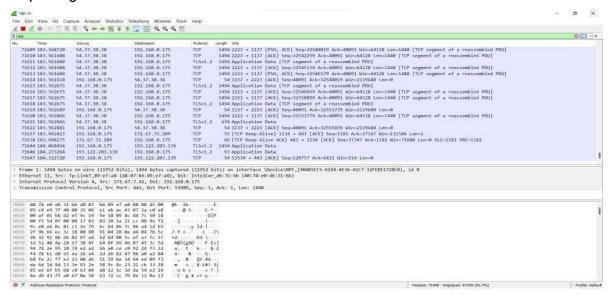
150 Opening ASCII mode data connection.

.change.dir .message pub Readme

Siteinfo w3c welcome.msg 226 Transfer complete. ftp: 67 bytes received in 0.03Seconds 2.03Kbytes/sec.

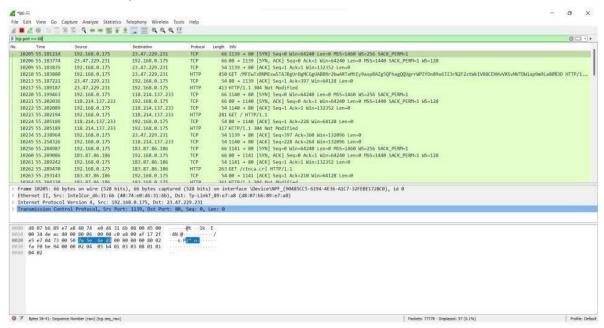


Capturing ARP Packets:



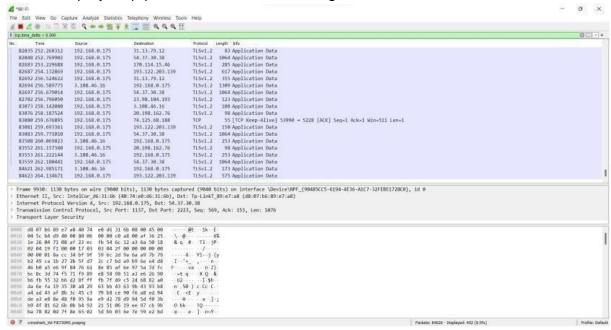
- B] Tracing Packets based on filters:
- 1] Filter Results by Port:

Traces all packets related to Port 80.



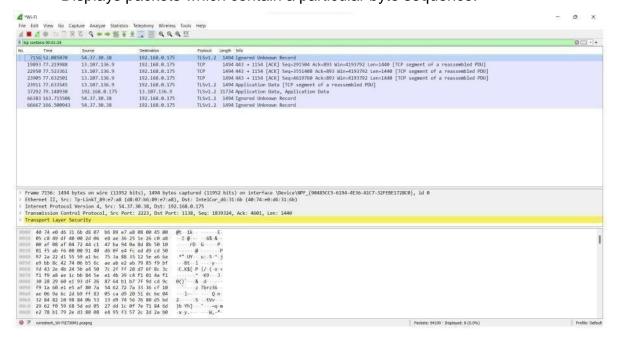
2] Filter by Delta Time :

Displays top packets with delta time of greater than 0.500 sec



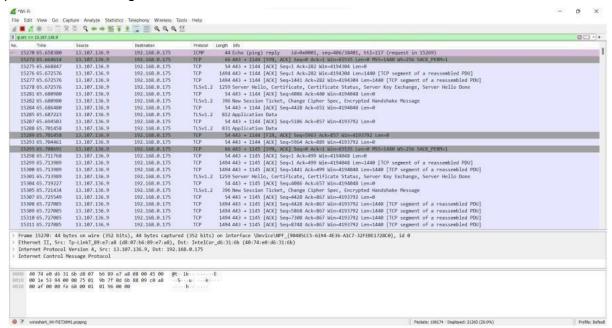
3]Filter by Byte Sequence:

Displays packets which contain a particular byte sequence.



4] Filter by Source IP Address:

Displays packets which have source IP address same as the one provided in the argument.



CONCLUSION

Thus, we have successfully studied packet sniffing tools (Wireshark) and exploredhow packets can be traced based on different filters