Ex.10:5 Practical 5 09/08/24 Aim: Exporiment on Packet Capture tool: wire shark Packet Sniffer - Sniff message being sent/recieved from 1 by computer. - Stores of Display content of various protocol - Passive Porogram * never send packet itself * no packet addressed to it * recieved a copy of all pocket Packet Sniffer Structure Diagon ostic Tools · Topdump -eg: tepdump -enx host 10.129.41.2 - w exe3. out · wireshark - wireshook -r. exes. out packet sniffer application application packet analyzar Transport(TCP/UDP) Network (IP) 16/ packet copyofall offerest from Link (Ftherrot) capture frames gent/ network 15 to / brom Physical (pcap) recieved

WineShark

- -network analysis tool
- formerly known as Ethernet
- Capture peucket in real-time of display in human readable form

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- Include formals, filter, color docting, etc

Uses

- The Troubleshoot
- Examire security problems

Download Wire Shark

-download of install from www. wire shork.org

Capturing Packet

- Launch wire shark of double click on rame of network interface.

As soon as you clicked the interface name, you will see the packet starts to appear in real-time

Colorcoding Trules

Colours howe been assigned for each packets views

Filtering Packets

- Display prderly

-> lype into filler box at top of window + clicking apply

TCP Conversation

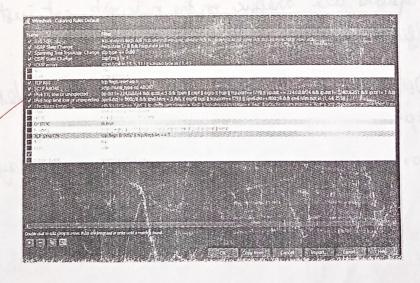
-Bright click on a packet - follow -> TCP stream

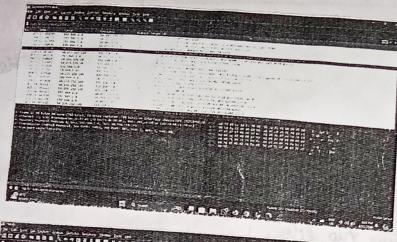
Inspect Packet

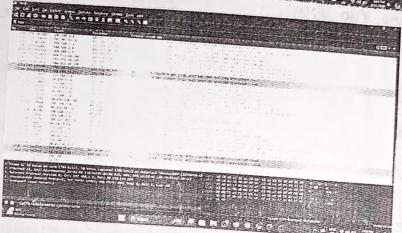
-> Click a packet to view details of packet + dig

Flow graph

-> tretwork interface -> Statistics -> Flow graph







Student Observation

1) What is promiscous made?

A network interface card mode mode that allow it to capture all traffic on the network, not just the traffic intended for it own max address

2) Does ARP packet has transport layer header? Explain?

No, ARP packets do not have stransport layer header

3) Which stransport Layer protocol is used by DNS
- UDP (user data grayon Protocol)

4) 10 Port number used by 4thp protocol?

5) What is a broadcast jp address
Used to see send data to all devices on a
retwork. For 1PV4, it is highest address in a
subject.

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Result:

Thus the expliciment on packet capture using wireshook is studied