


Date: 19.8.24

ANALYZE NETWORK TRAFFIC USING WIRESHARK TOOL

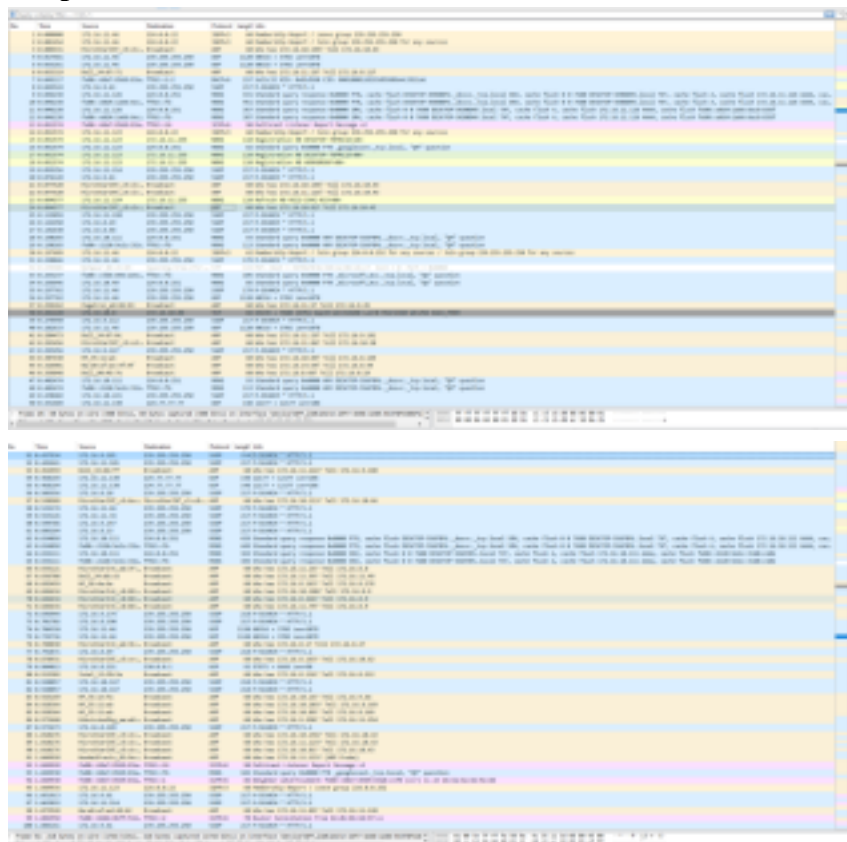
AIM:

To capture, save, filter and analyze network traffic on TCP / UDP / IP / HTTP / ARP /DHCP /ICMP /DNS using Wireshark Tool

1. Capture 100 packets from the Ethernet: IEEE 802.3 LAN Interface and save it. Procedure

- Select Local Area Connection in Wireshark.
- Go to capture  option
- Select stop capture automatically after 100 packets.
- Then click Start capture.
- Save the packets.



Output



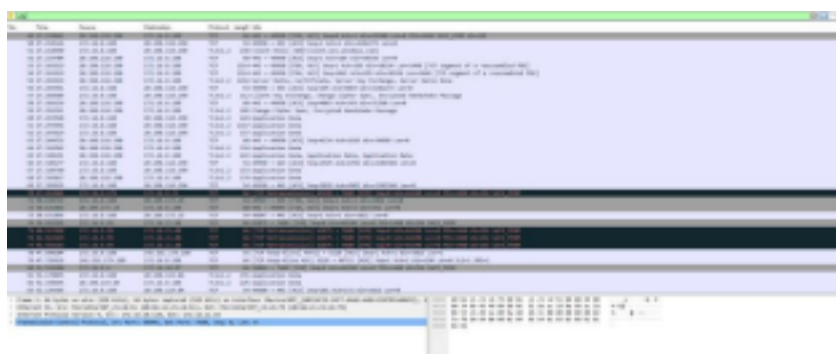
The image displays two screenshots of the Wireshark network traffic capture interface. The top screenshot shows a list of 100 captured packets with columns for No., Time, Source, Destination, Protocol, Length, and Size. The bottom screenshot shows the same list after applying a filter to display only TCP and UDP packets.

2. Create a Filter to display only TCP/UDP packets, inspect the packets and provide the flow graph.

Procedure

- Select Local Area Connection in Wireshark.
- Go to capture  option
- Select stop capture automatically after 100 packets.
- Then click Start capture.
- Search TCP packets in search bar.
- To see flow graph click Statistics  Flow graph.
- Save the packets.


Output:



Flow Graph output



3.Create a Filter to display only ARP packets and inspect the packets. Procedure


- Select Local Area Connection in Wireshark.
- Go to capture  option
- Select stop capture automatically after 100 packets.
- Then click Start capture.
- Search ARP packets in search bar.
- Save the packets.

Output

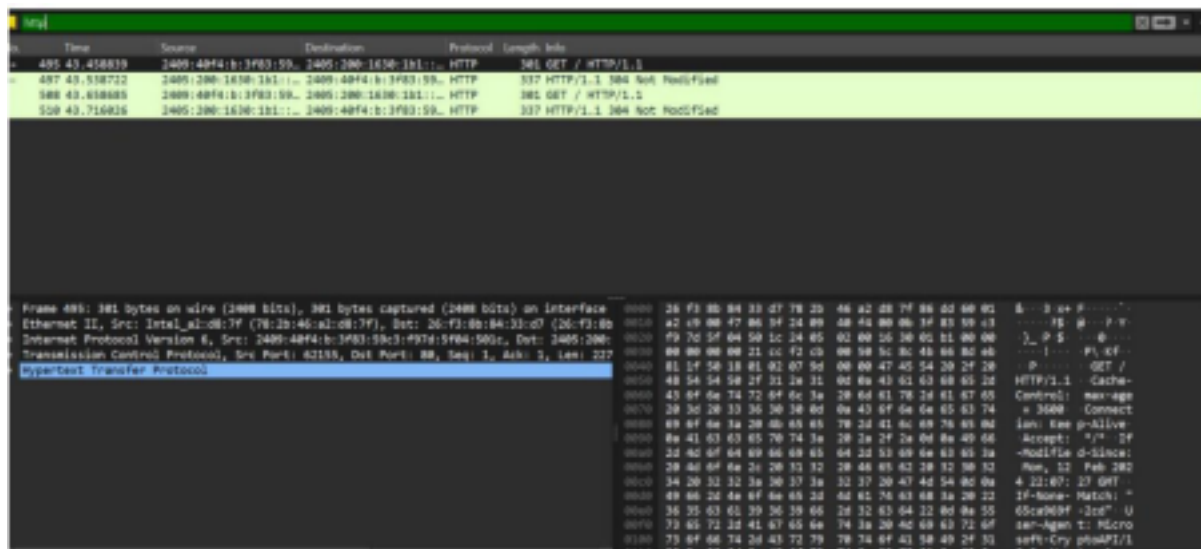
[illegible]



5.Create a Filter to display only HTTP packets and inspect the packets Procedure

- Select Local Area Connection in Wireshark.
- Go to capture  option
- Select stop capture automatically after 100 packets.
- Then click Start capture.
- Search HTTP packets in the search bar.
- Save the packets.


Output



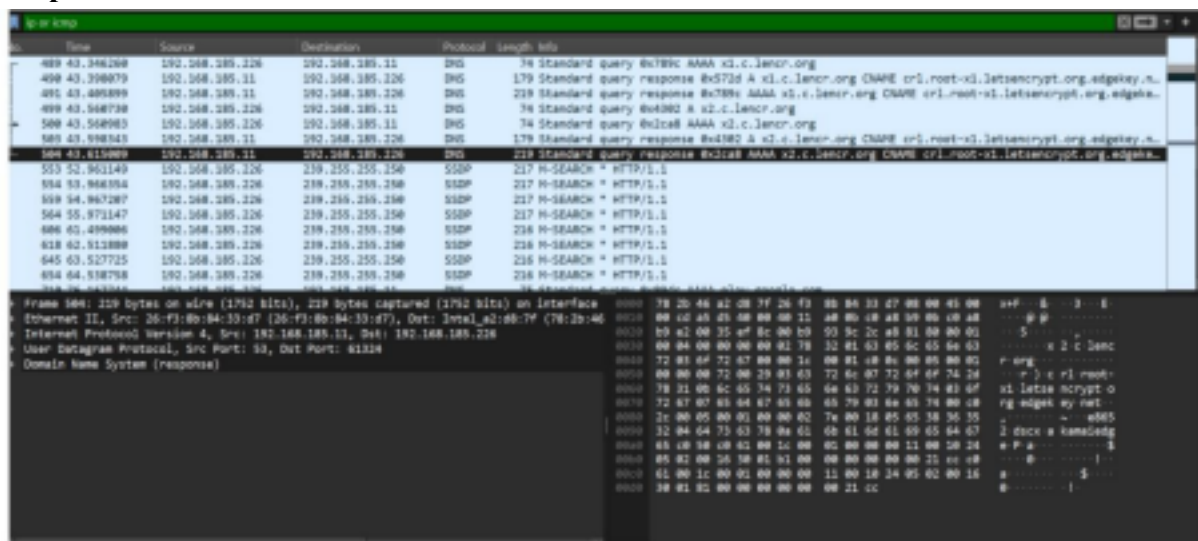
Flow Graph output



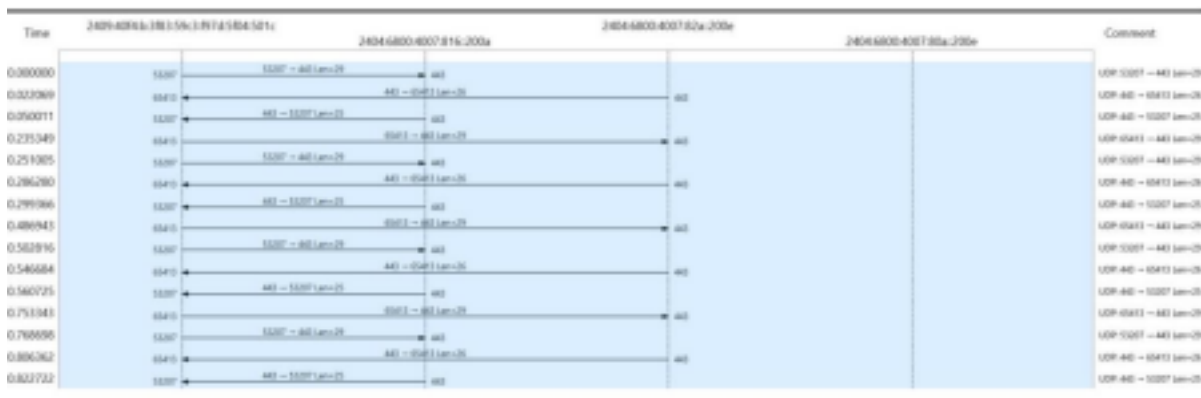
6.Create a Filter to display only IP/ICMP packets and inspect the packets. Procedure

- Select Local Area Connection in Wireshark.
- Go to capture  option
- Select stop capture automatically after 100 packets.
- Then click Start capture.
- Search ICMP/IP packets in search bar.
- Save the packets


Output



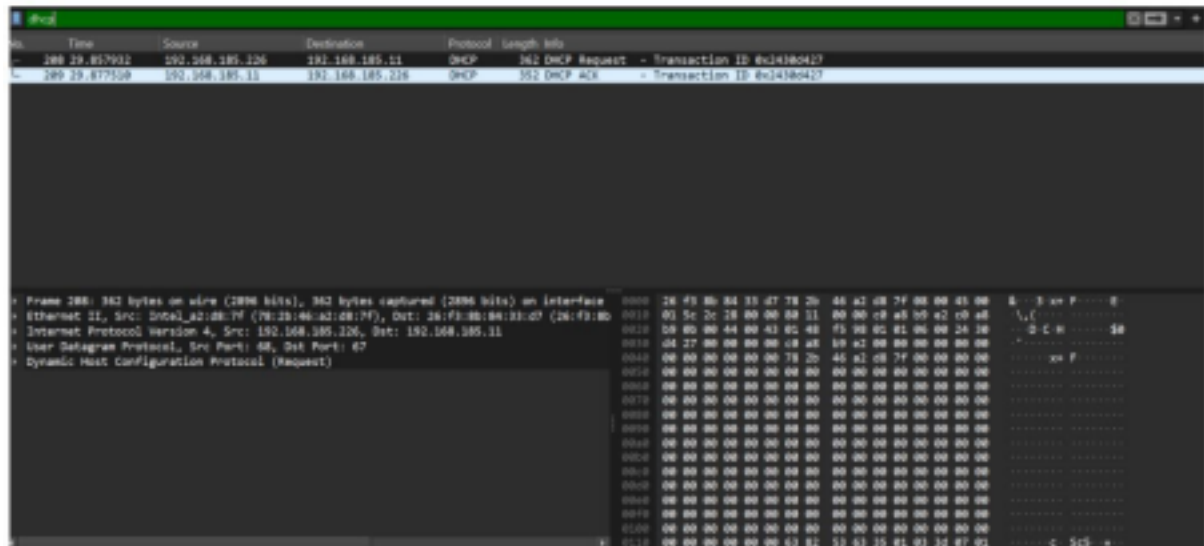
Flow Graph output



7.Create a Filter to display only DHCP packets and inspect the packets. Procedure

- Select Local Area Connection in Wireshark.
- Go to capture  option
- Select stop capture automatically after 100 packets.
- Then click Start capture.
- Search DHCP packets in search bar.
- Save the packets

Output



RESULT:

Hence,analyzing network traffic using Wireshark Tool is studied