

## **WEEK- 6**

**Name of the Experiment:** Simulate Packet Capture using wireshark

**Procedure:** The following steps must be executed to simulate packet capture using wire Shark

Step1: Select capture / Interfaces

Step2: Select the interface on which packets need to be captured

Step3: Click the start button to start the capture

Step4: Recreate the problem

Step5: Once the problem which is to be analyzed has been reproduced, click on stop

Step6: Save the packet brace in the default format

### **O/P:**

Frame1 : 97 bytes on wire (776 bits), 97 bytes captures (776 bits)

Section number: 1

Interface Id: O(Device\WPF - {BC077CD8-318F-45B1-B607-9EB066317080})

Encapsulation type: Ethernet (1)

Arrival time : Aug 30, 2024 10:11 37-605913000 India Standard Time

Ethernet II,

Src: EliteGo-30: dd: af [88; ae: dd 30: dd af)

dst : IPv4mcast -fb (01:00:5e:00:00 fb)

Destination: IPv4mcast -fb (01:00:5e:00:00 fb)

Source : EliteGo-30: dd: af [88; ae: dd 30: dd af)

Type: IPv4 (0x0800)

Internet Protocol version 4, src: 10.0.7.118, Dst:224.0.0.251

Differentiated services Field: OxOO (DSCP: CSD, ECN: Not-ECT)

Total length: 83

Identification: ox94cc(38092)

Time to live: 1

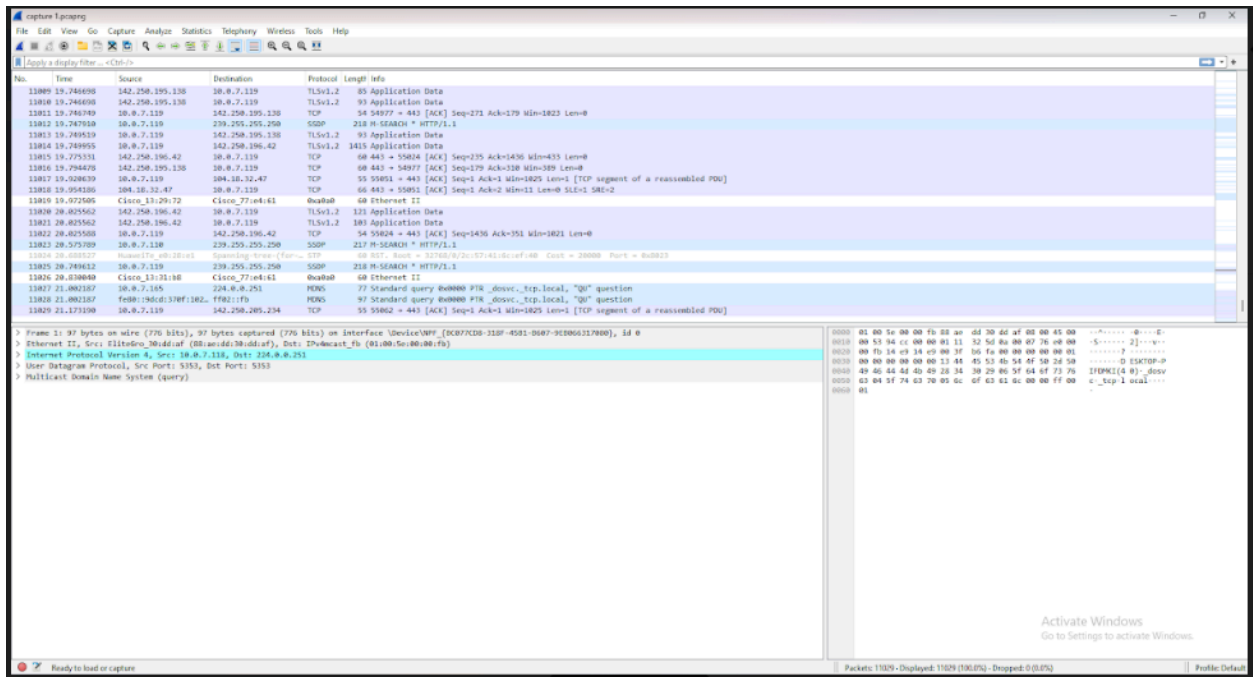
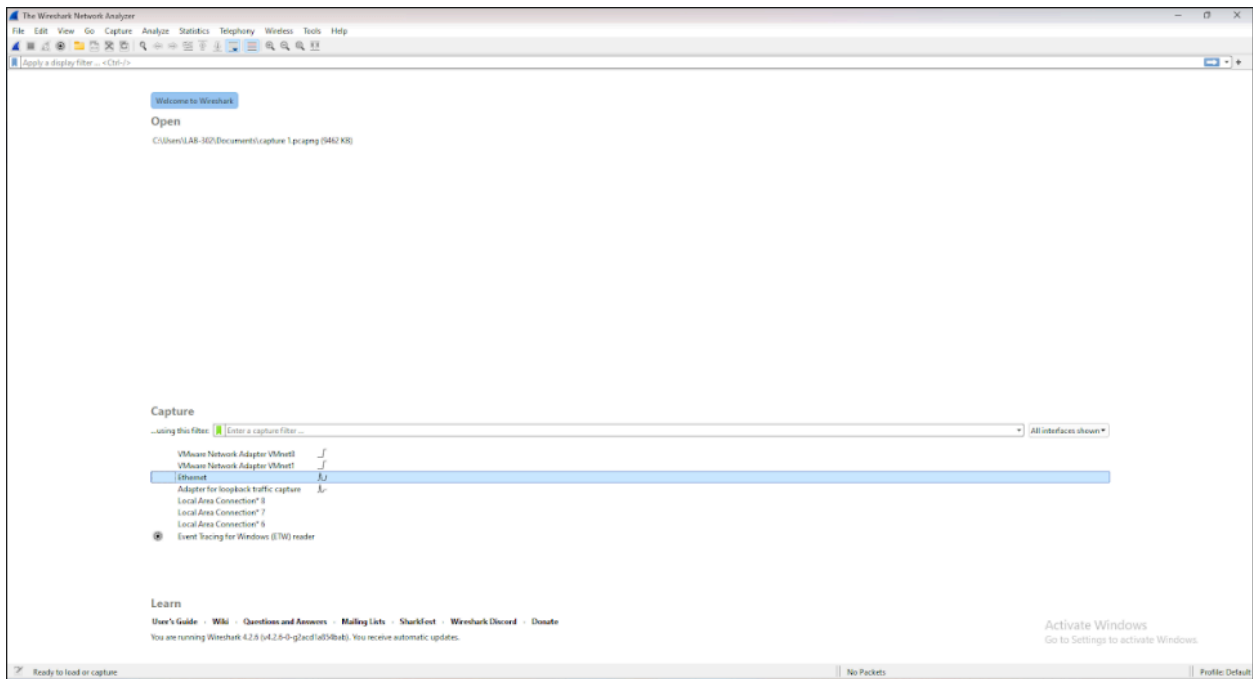
Protocol: UDP (17)

Header Checksum: ox325d [validation disabled]

[Header checksum status: Unverified]

Source Address: 10.0.7.118

Destination Address: 224.0.0.251



## WEEK - 7

**Name of the experiment:** Implement viewing Captured Traffic using Wireshark

**Procedure:** The below given steps are to be followed in order to implement viewing captured traffic using Wireshark.

Step1: Select Capture

Step2: Select the interface on which packets need to be captured.

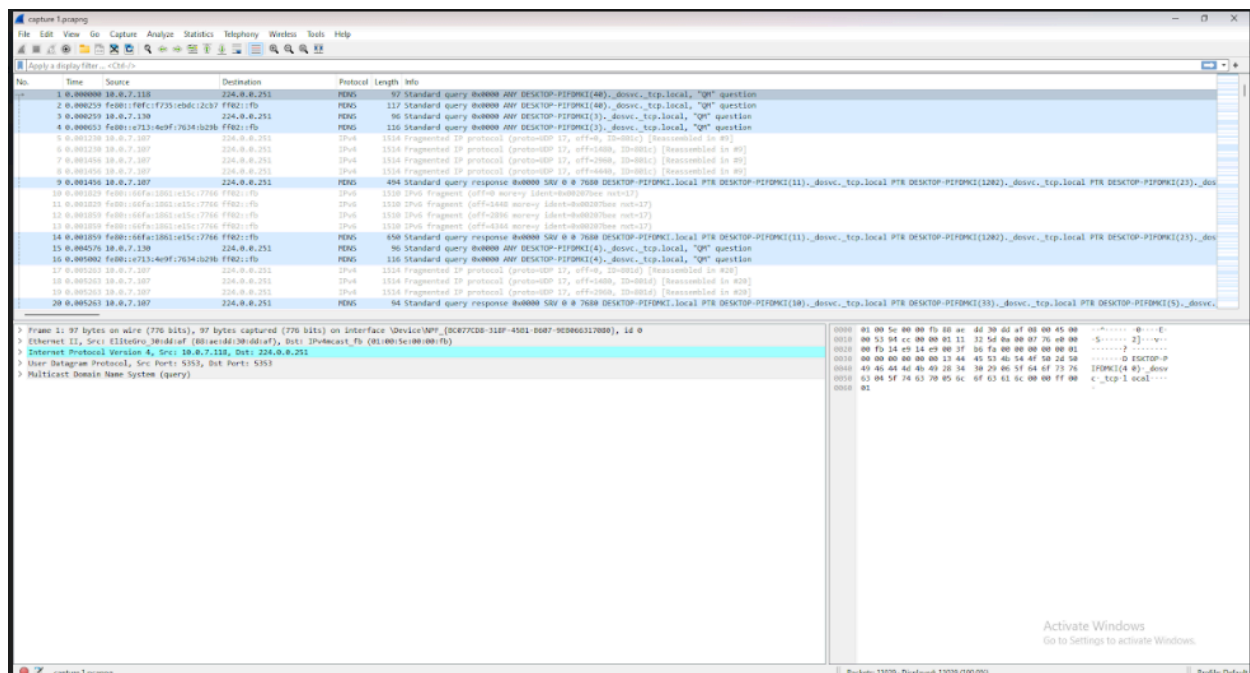
Step3: Click the start button to stall the capture

Step4: Recreate the problem

Step5: Once the problem which is to be analyzed has been reproduced, click on stop

Step6: Save the packet trace in the default format

Step7: Now, open the saved file from the file Explorer. An offline Packet Capture window appears where you can view the captured traffic.



## WEEK - 8

**Name of the experiment:** Simulate Statistics & Filters Using Wireshark.

**Procedure:** The below given steps are to be followed in order to Simulate the use of Statistics & Filters Using Wireshark.

Step1: Click on view Select filter toolbar

Step2: Click on find a packet, then type the display filter name

Step3: The display filter name is http-host

Step4: Click on enter button from keyboard

Step5: From the capturing packets select any packet information from the list

Step6: Then go to the statistics tab and click on HTTP. A drop down will appear. Select Load Distribution

Step7: A window will appear Select http request by host then click on Apply

Step8: The Output will be displayed.

