Mawlana Bhashani Science and Technology University

Lab-Report

Report No: 04

Course code: ICT-4202

Course title: Wireless and Mobile Communication Lab

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Session: 2015-2016

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Experiment No: 04

Experiment Name: Protocol Analysis with wireshark.

Objectives:

We will learn-

- How to install wireshark.
- How to analyze packets and protocols after capture.
- How to use graphs and flow diagrams in analysis.

Procedures:

Step1: Open The Wireshark.

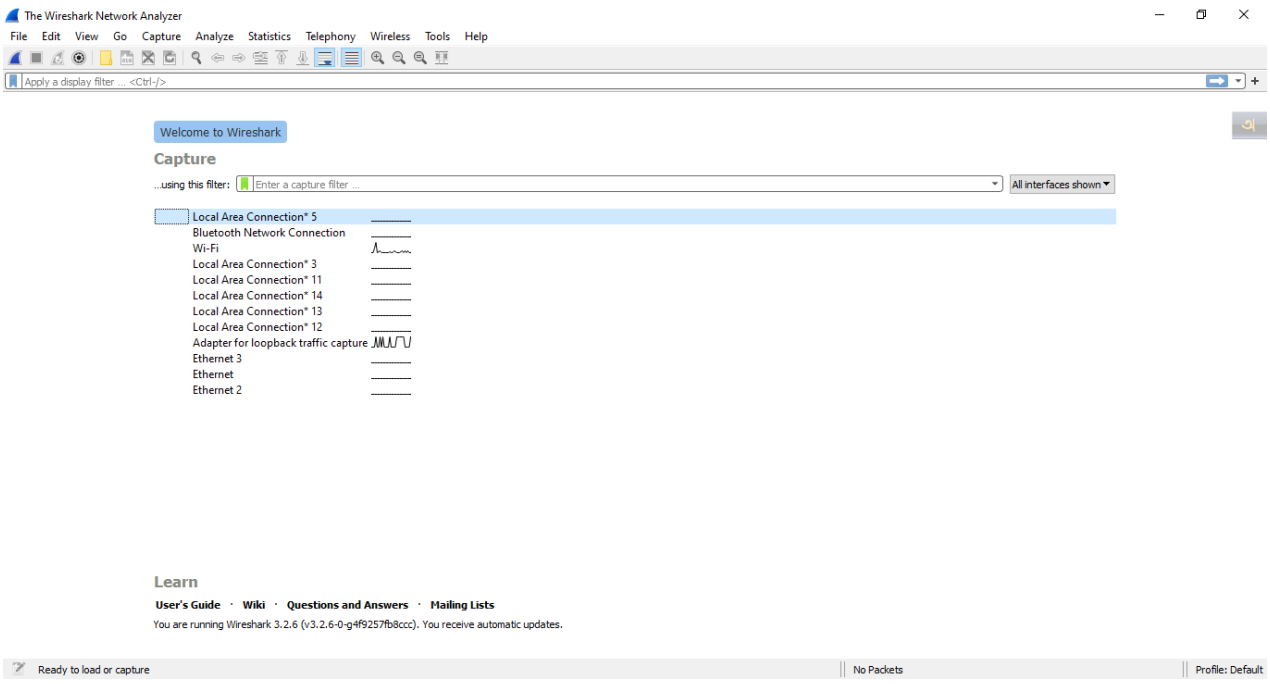

Fig: Wireshark GUI (Main Window)

Step 2: Start capturing.

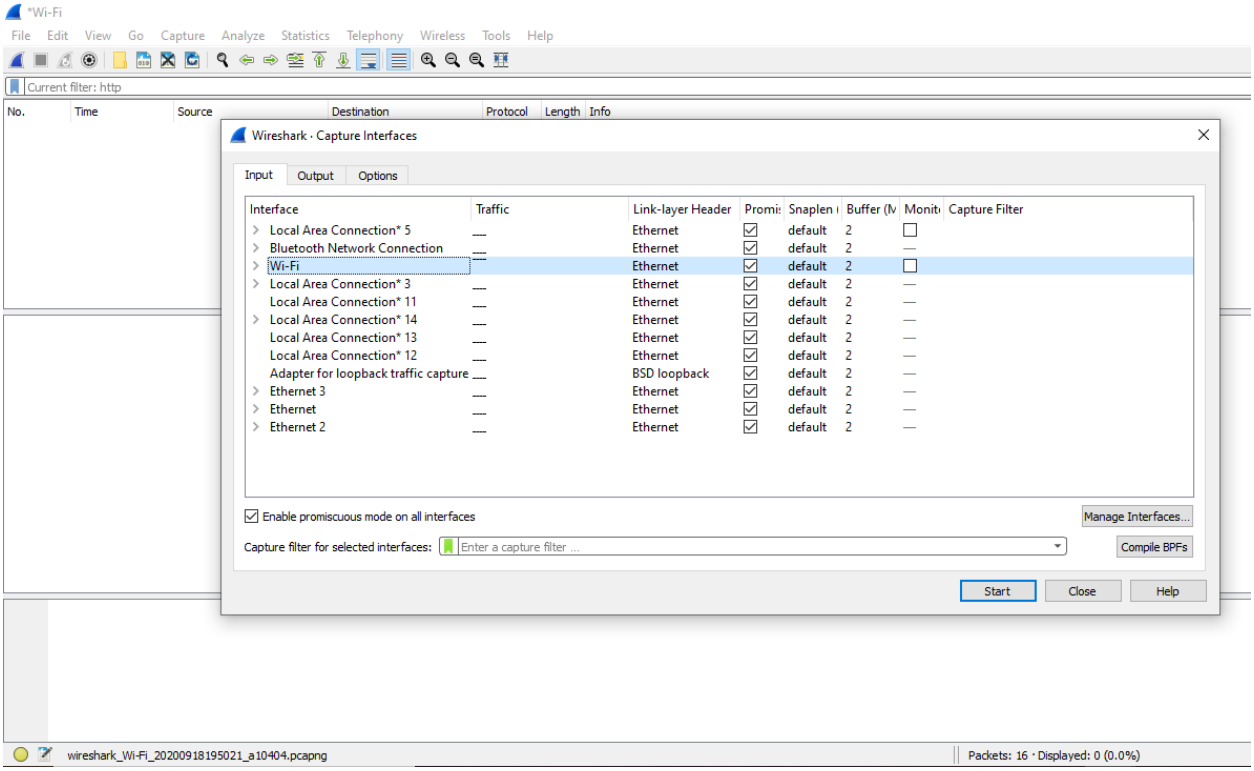

Fig : Starting capture

Step 3: Packets are exchanging on Network Interface.

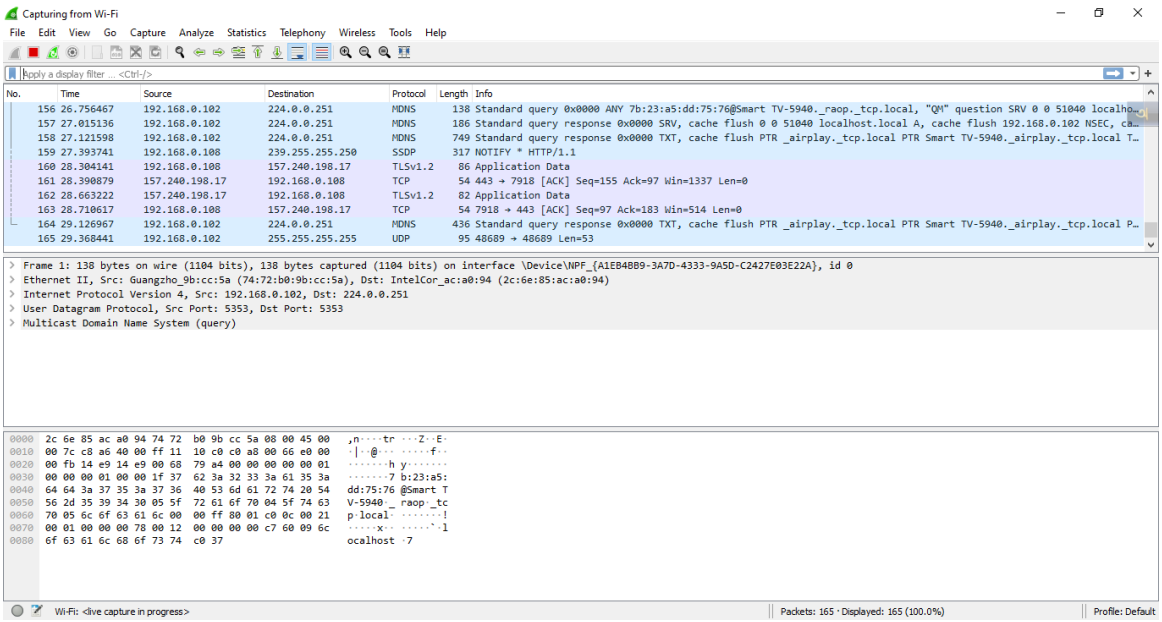

Fig: Packets are exchanging

Step 4: Stop Capture.

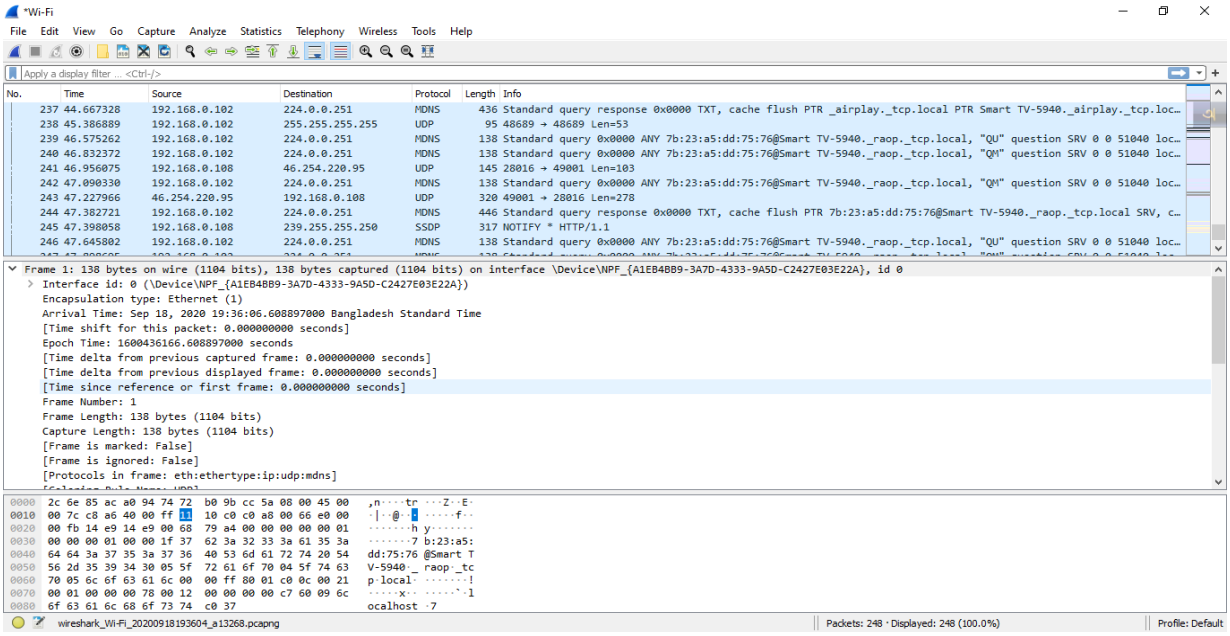

Fig: Stop capture.

Step 5: Filter by entering the protocol http.

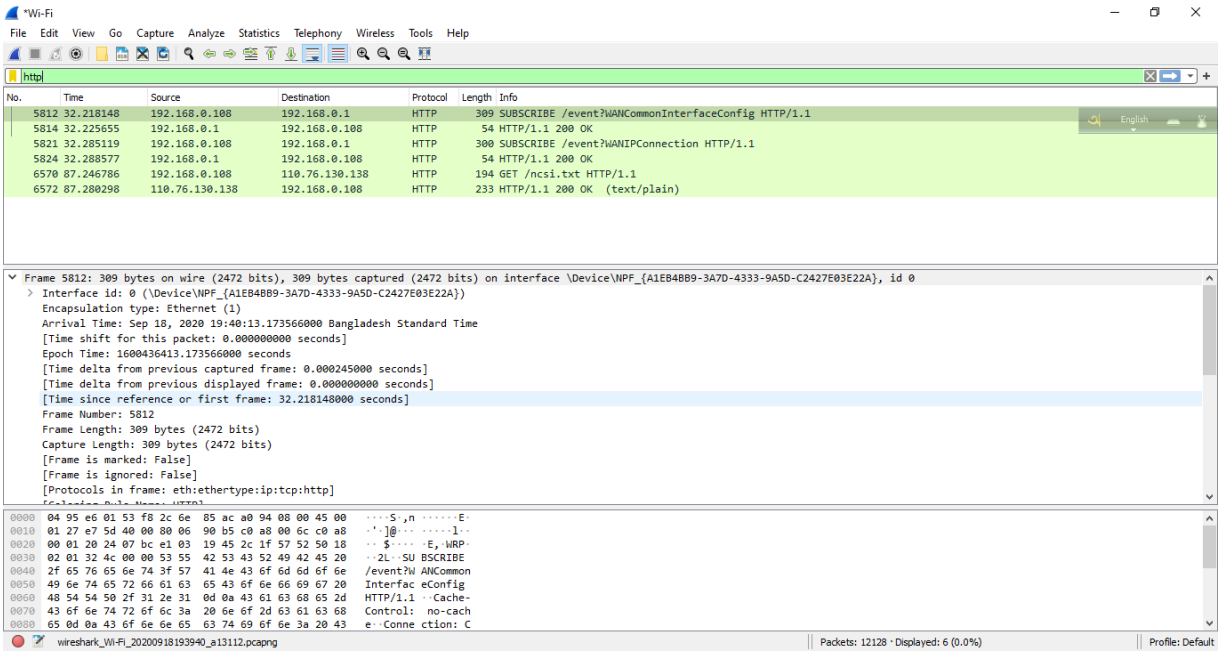

Fig: http filtering

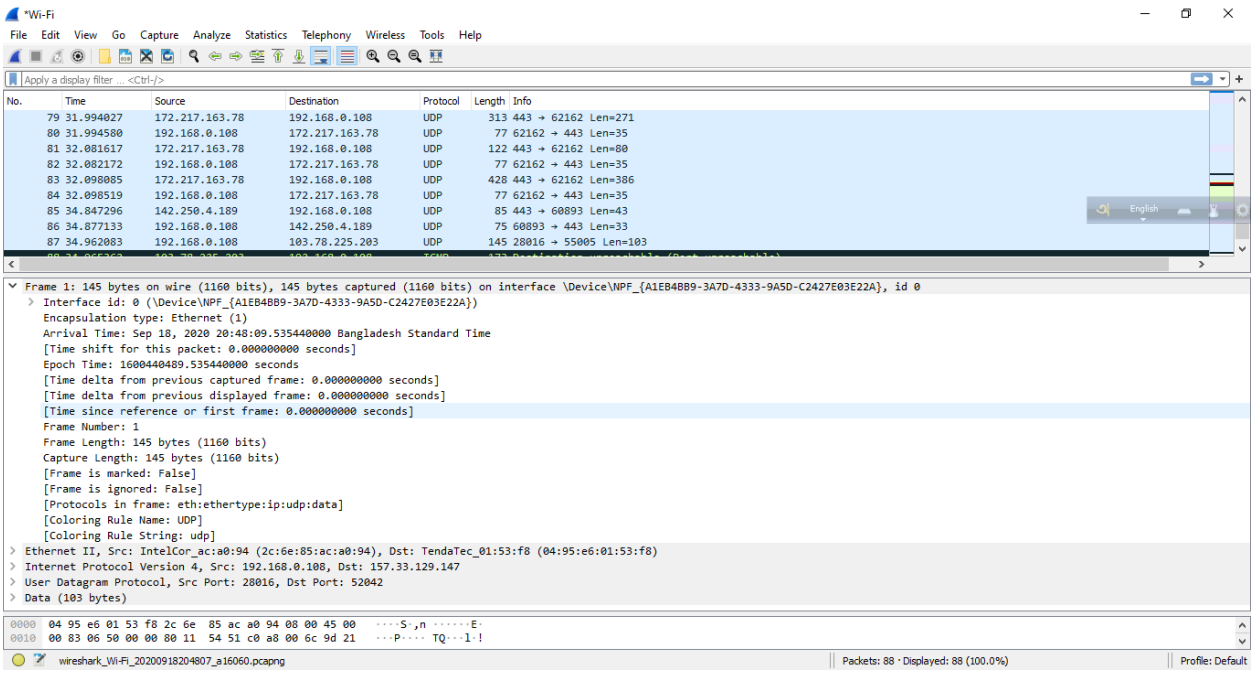

Fig: Packet Details Pane (Frame segment)

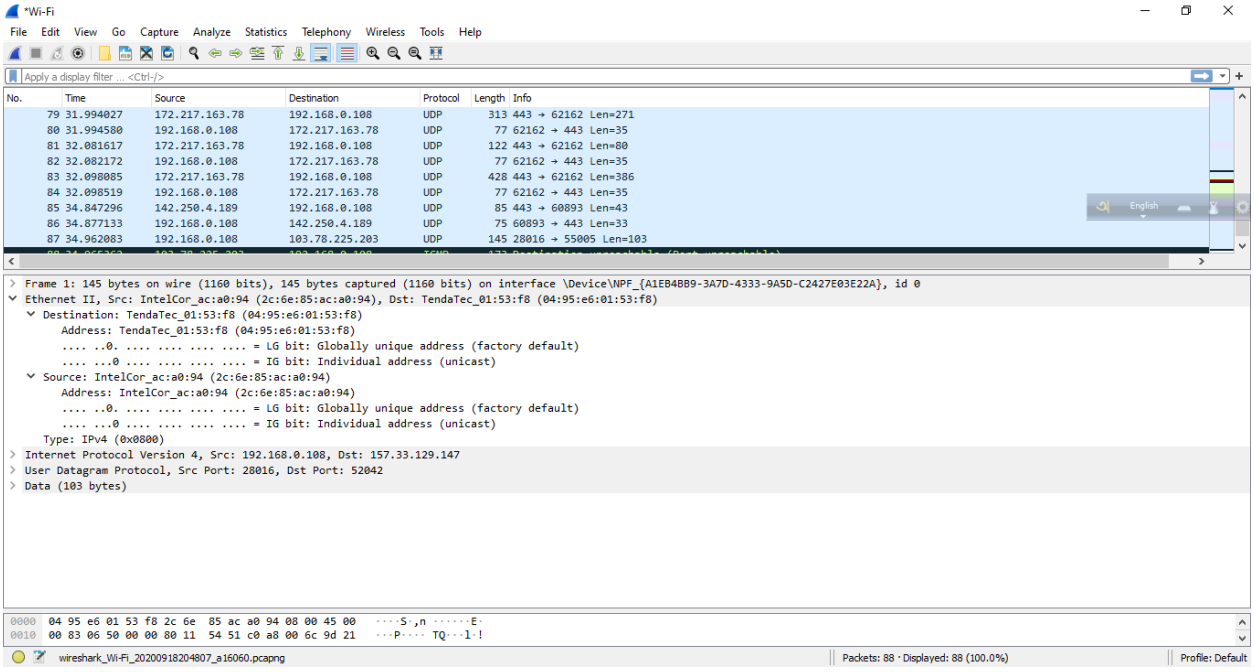

Fig: Packet Details Pane (Ethernet segment)

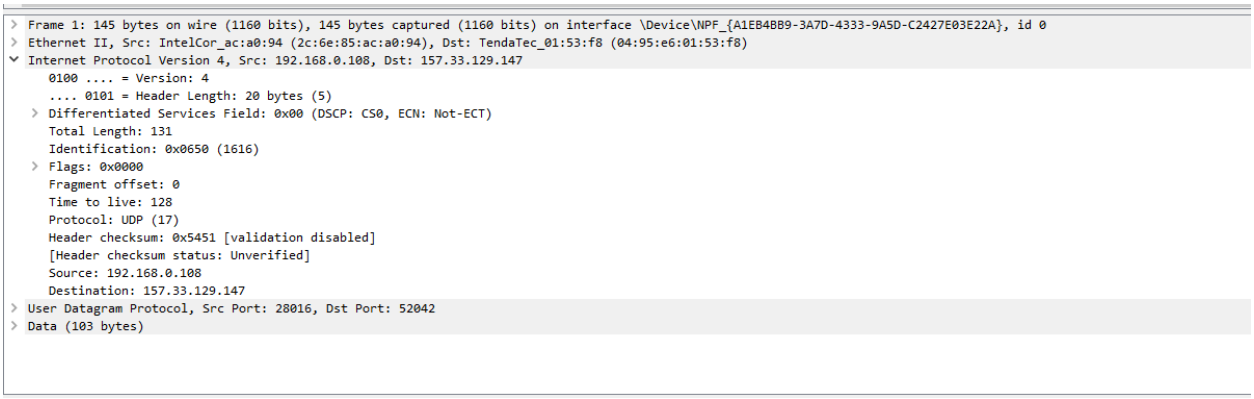

Fig: Packet Details Pane (IP segment)

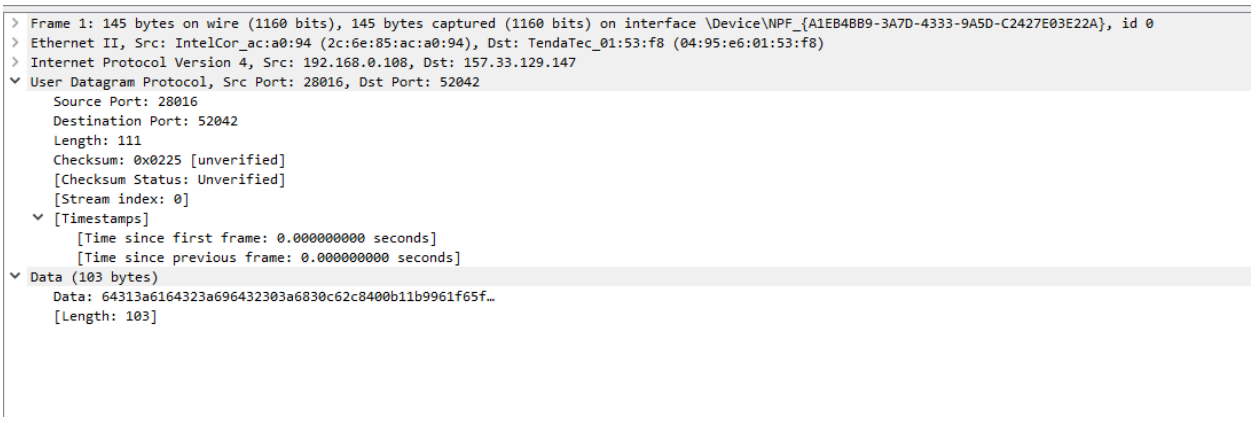

Fig: Packet Details Pane (UDP segment)

Step 6: TCP plots and flowgraph

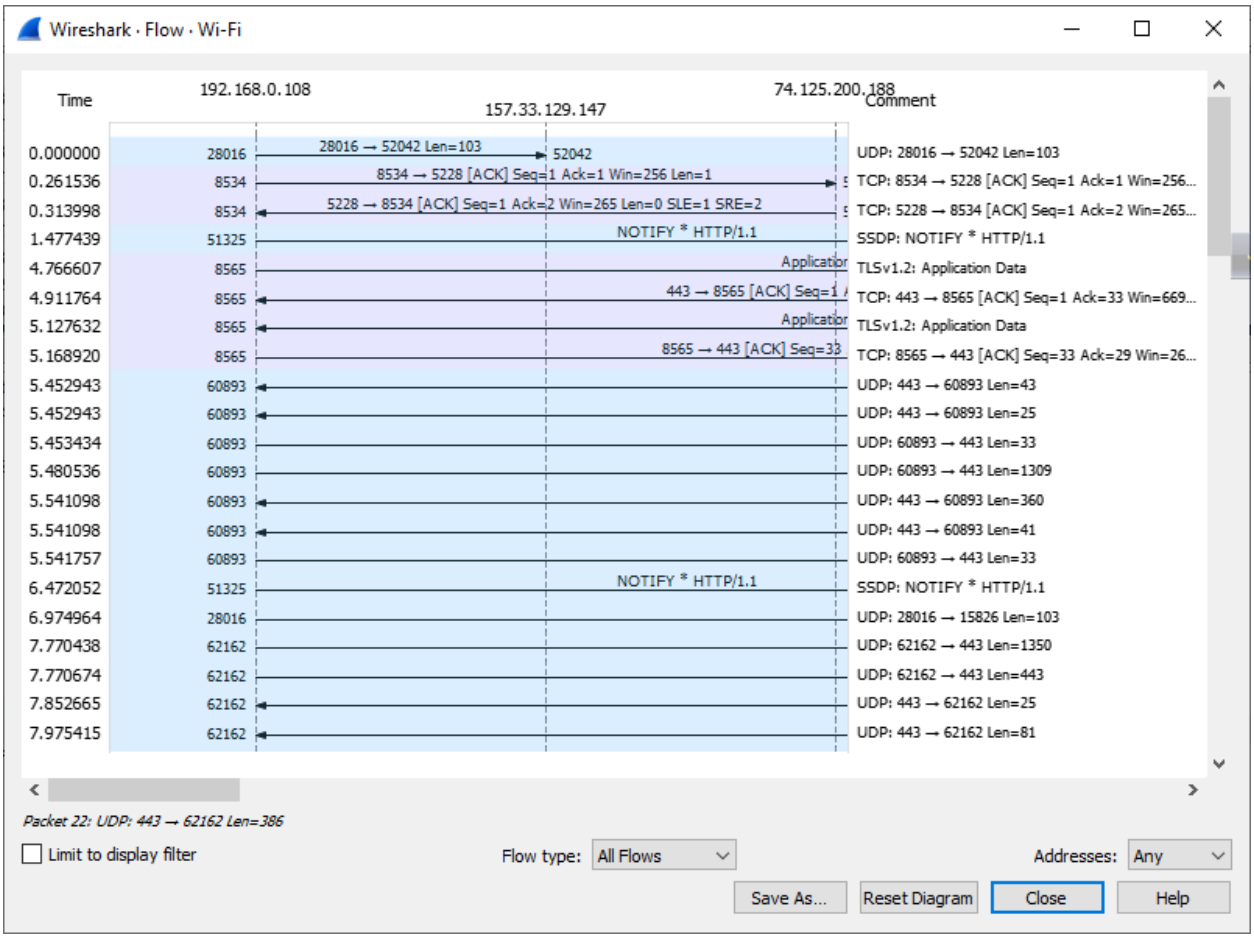

Fig: Flowgraph(all flows)

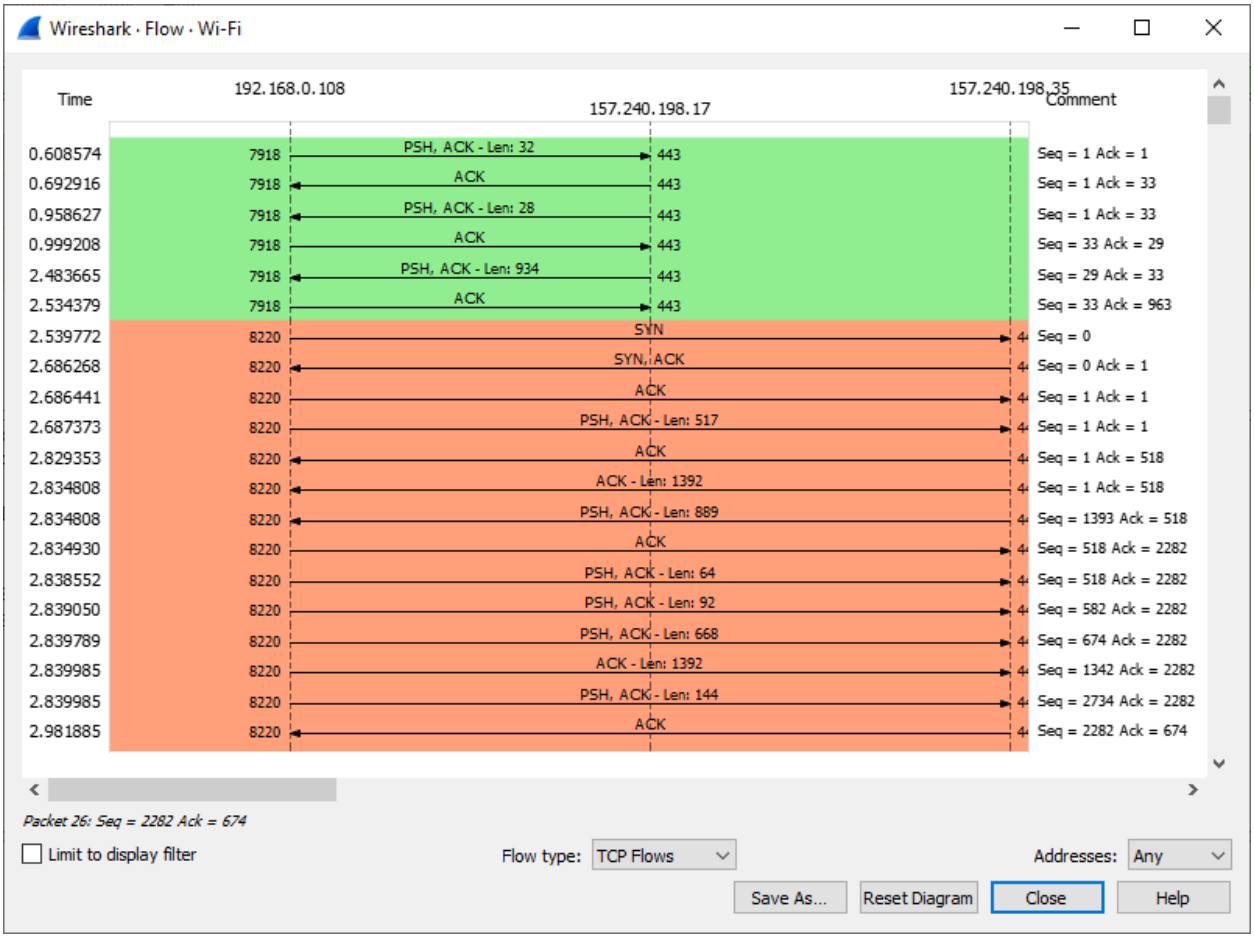

Fig: TCP flowgraph

Discussion: From the lab we can learn about packet and protocol analysis. Through wireshark live traffic can be captured. Data can be captured on wired and wireless media. Numerous protocols can be capture and analyze by wireshark. We can see the packets exchanging in detail. We use filtering when a lot of packets are exchanging.