Analyze the network Packet

1) Open Pcap File using Wireshark

No.: The index number of the packet in this packet capture file

Time: The timestamp of the packet **Source**: The source IP address

Destination: The destination IP address

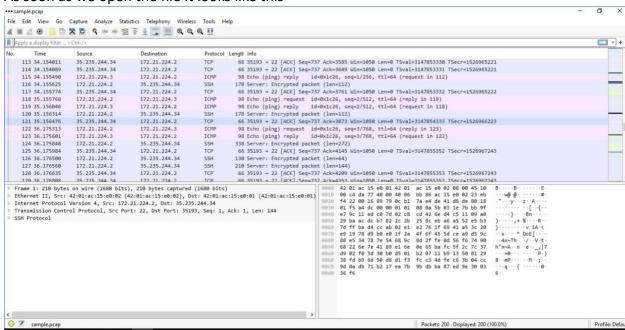
Protocol: The protocol contained in the packet

Length: The total length of the packet

Info: Some infomation about the data in the packet (the payload) as interpreted by

Wireshark

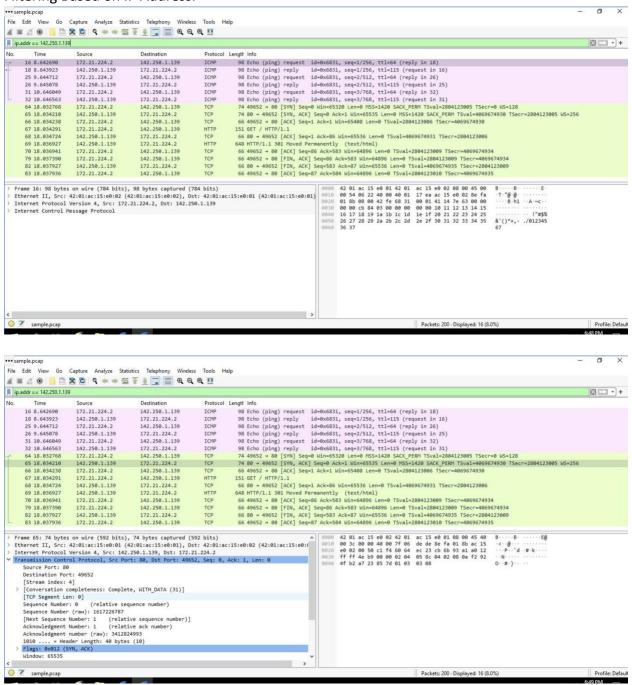
2) As soon as we open the file it looks like this



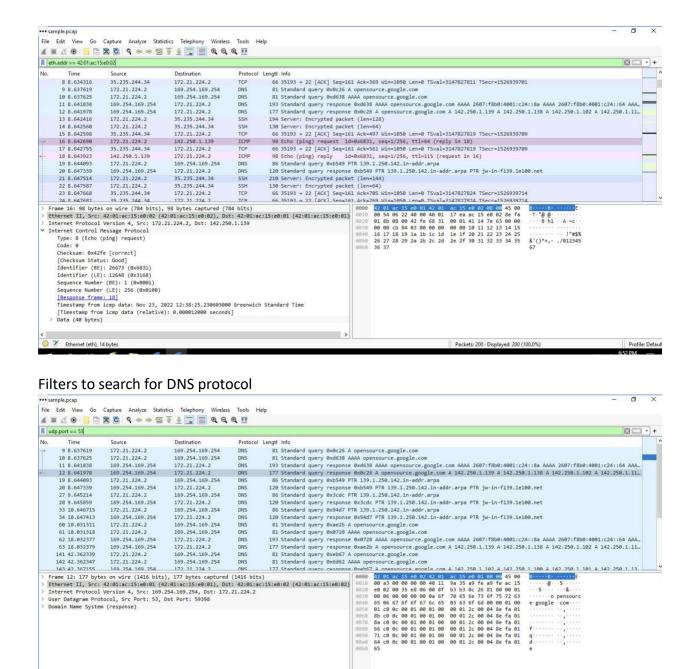
It displays all the data based on colored format which will enable us to differentiate based on the protocols. we can also apply filters to fetch the data easily. On every packet when we check for subsets Eg: frame , ethernet , Internet protocol, Transmission control protocol/ UDP protocol, it will provide us with all the details to detect the deviations.

Below are some filters which we use on a regular basis.

Filtering Based on IP Address:



Filters to search based on MAC address:



Packets: 200 - Displayed: 22 (11.0%)

Profile: Default

Filter to search based on TCP protocol for HTTP requests:

Ethernet (eth), 14 bytes

