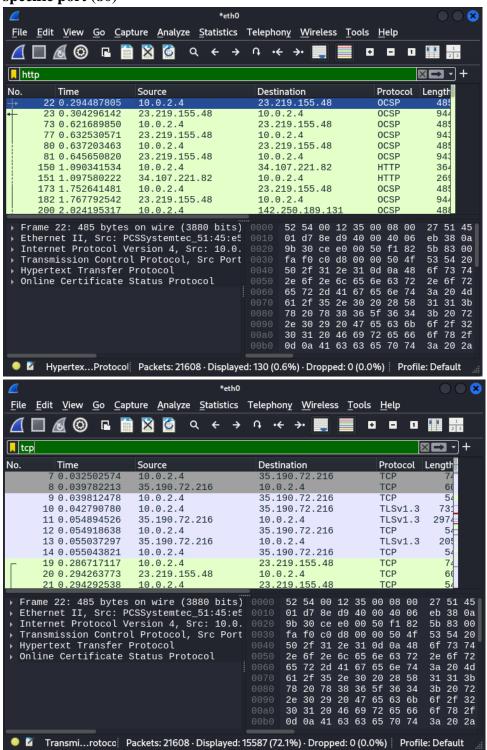
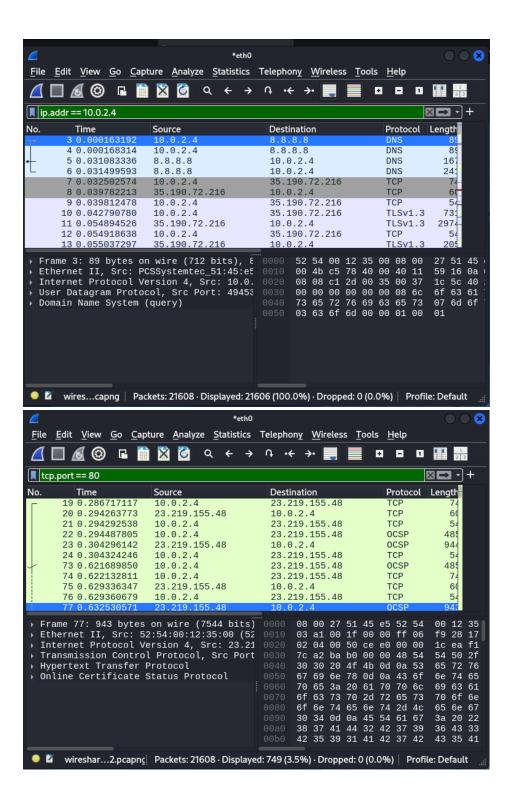
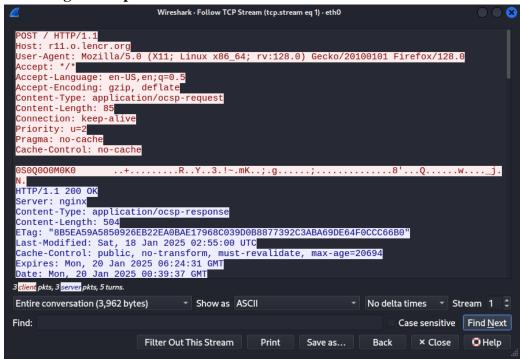
Network Traffic Analysis with Wireshark

1. With the use of Wireshark I can analyze the different packets going through my private network. I filter by http and tcp, by specific IP address (10.0.2.4) and by specific port (80)





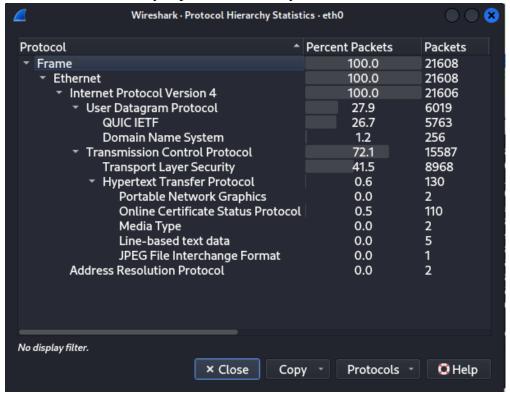
2. Following a TCP packet



You can observe the interaction of the packet between client and server, it gives important information about the packet, however the message is encrypted.

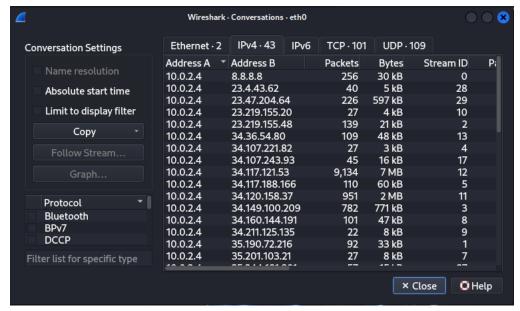
3. Advanced Analysis

Use of statistics to analyze protocol hierarchy:



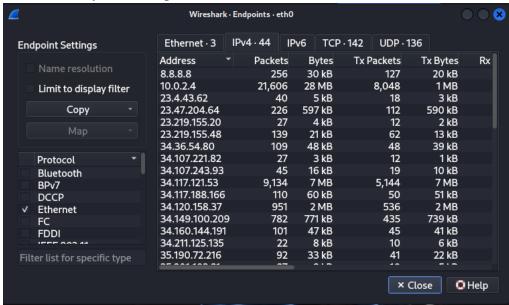
I can see the breakdown of the protocols used in the capture.

Use of statistics to analyze the conversations:



I can analyze the communication pairs and their traffic statistics.

Use of to analyze the endpoints:



I can analyze traffic statistics for specific endpoints.

Conclusion:

I have successfully captured network traffic and performed basic analysis. This setup allows me to explore and understand network traffic, which an essential skill on cybersecurity fields.