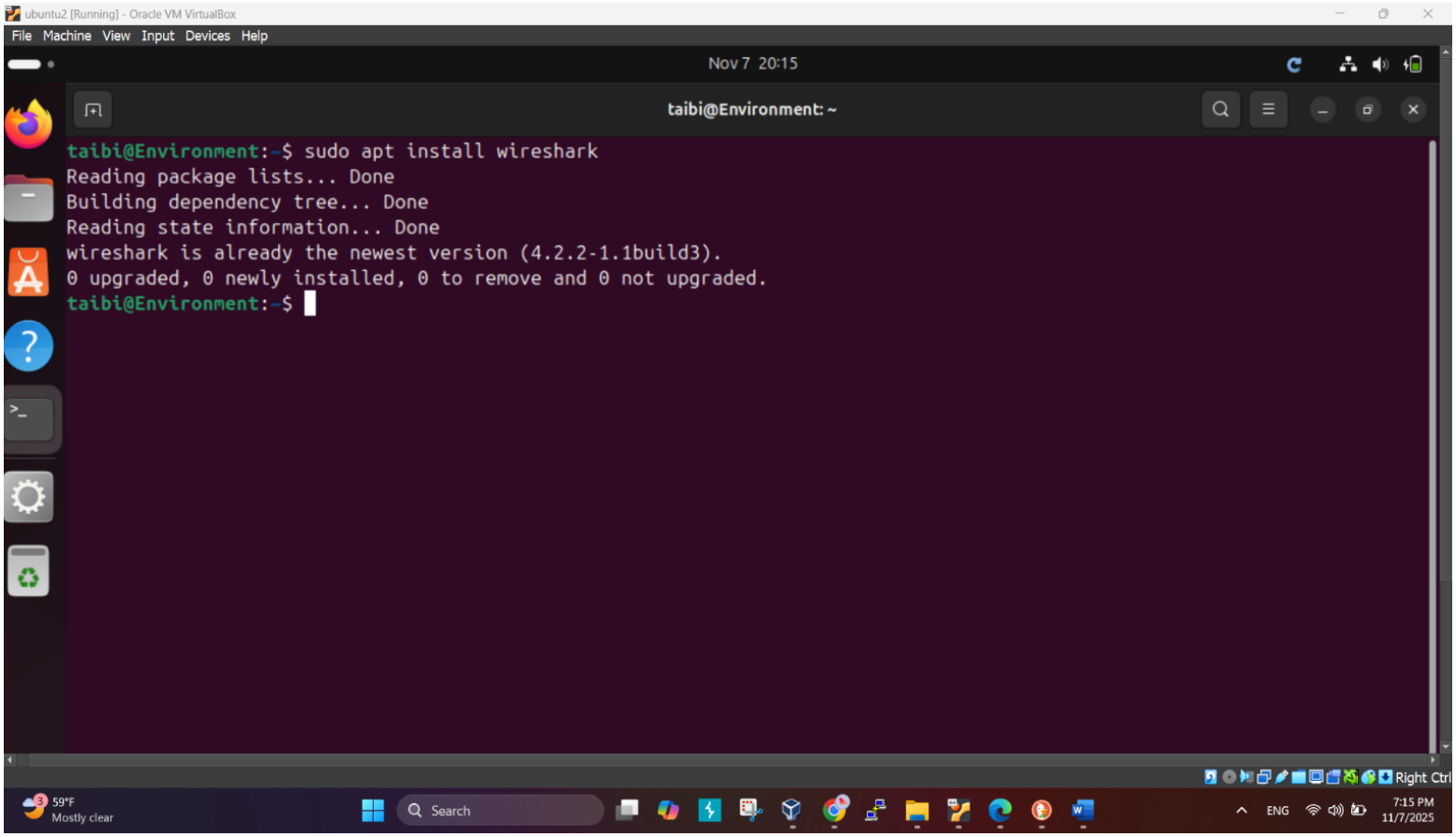
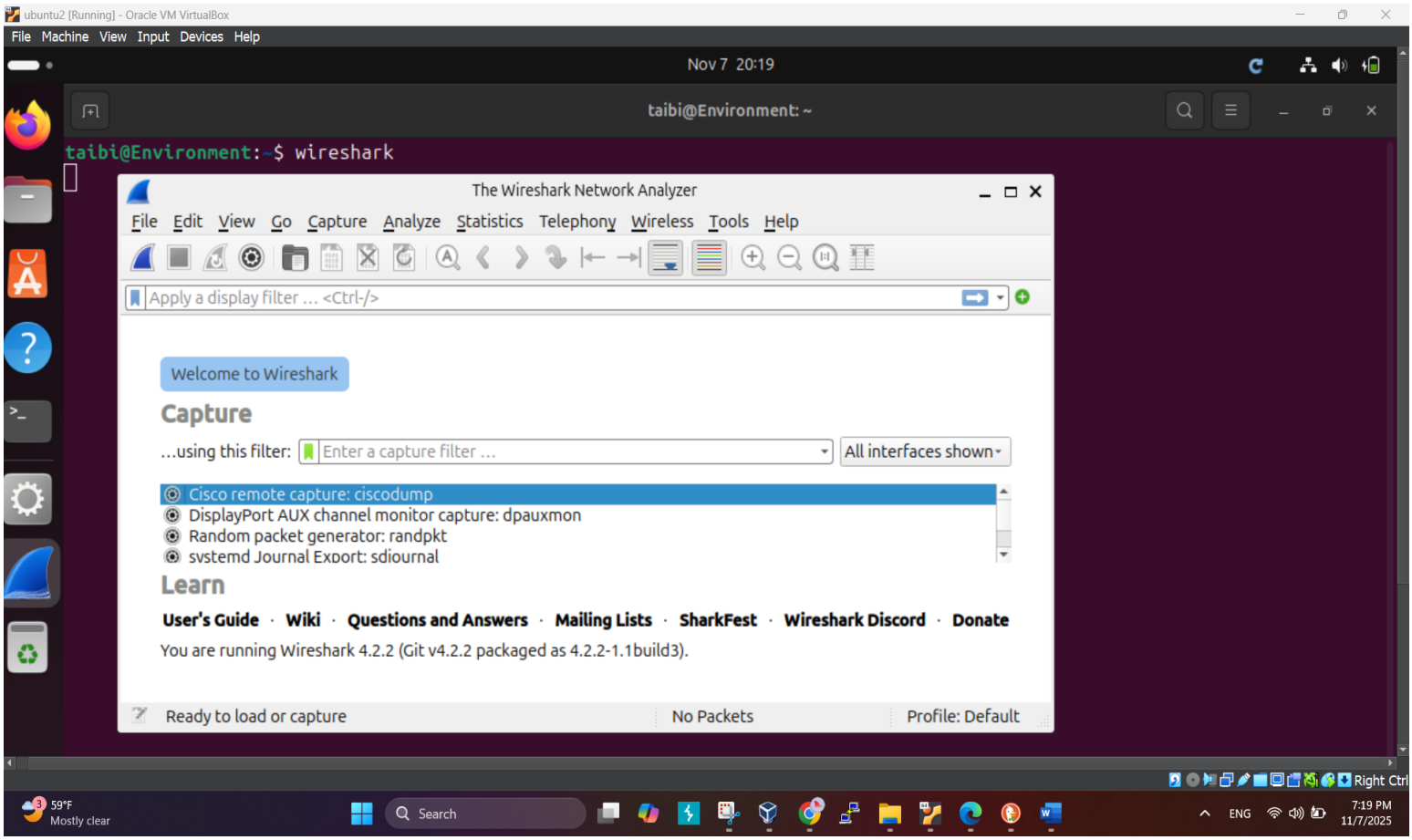
installing wireshark tool

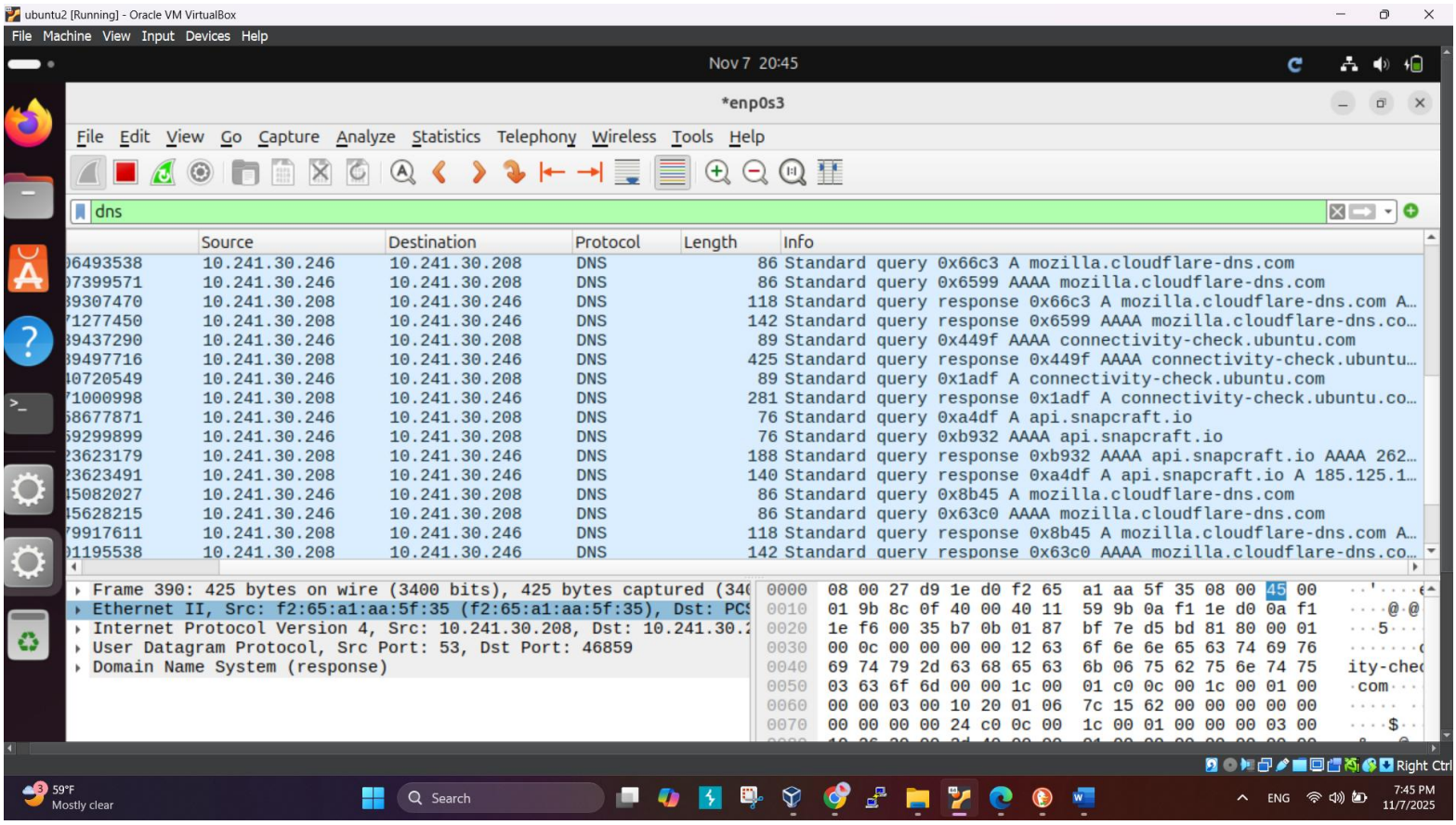


Opening the wireshark

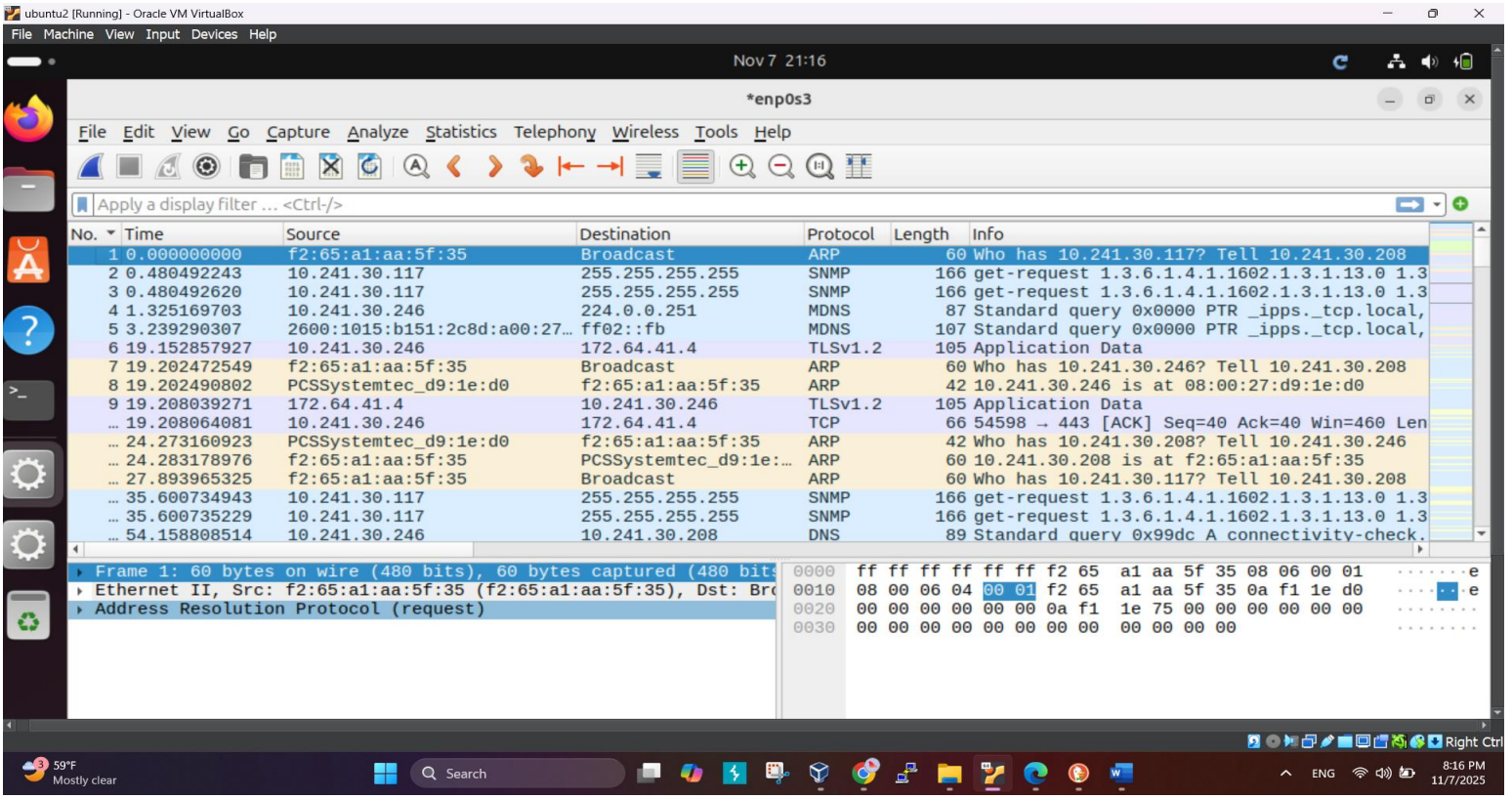


Capturing the traffic:

Captured Dns Traffic analyze To observe the resolution of Domain name to it's IP address.



Analyzing General traffic using wireshark



Analyzing the ip address in the filter bar:

I captured a network traffic to analyze communication between my machine IP address 10.241.30.246 and Dns Server IP address 34.107.243.93 confirming a secured connection established via TlsV1.3, this involved observing TCP 3 ways handshake and initial cipher negotiation.