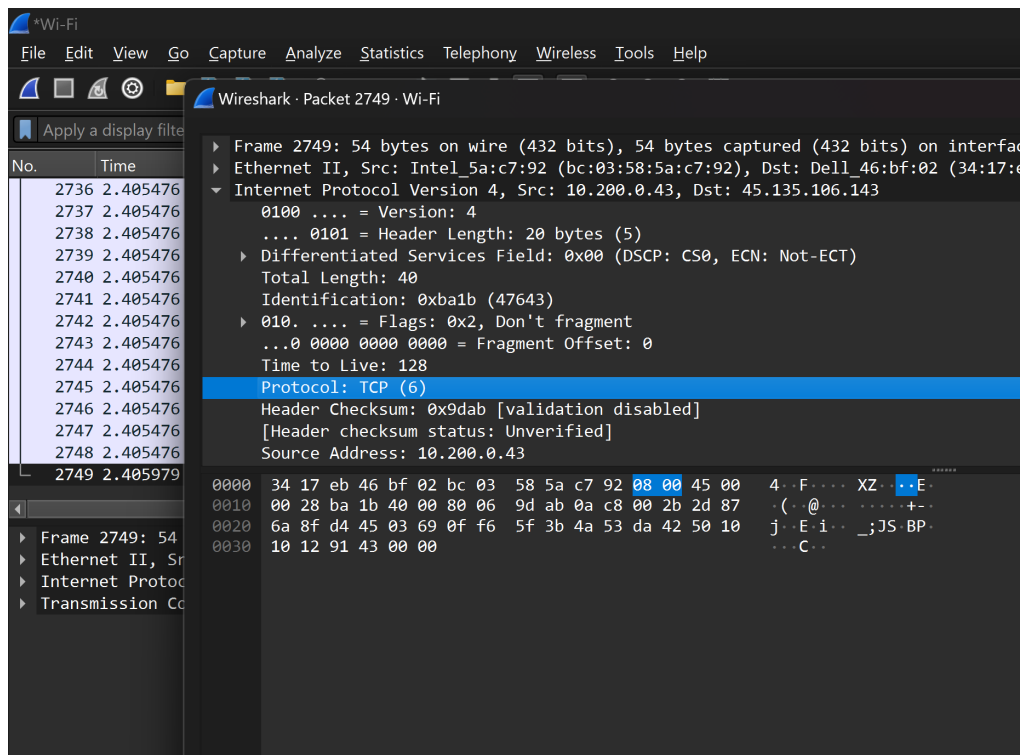


Protocol Numbers

What is a Protocol Number?

- + Remember during our earlier lectures, we were talking about IP Headers. These IP Headers use an identifier called Protocol Number to specify which transport protocol is being used.
- + These numbers are assigned by the Internet Assigned Numbers Authority (IANA).



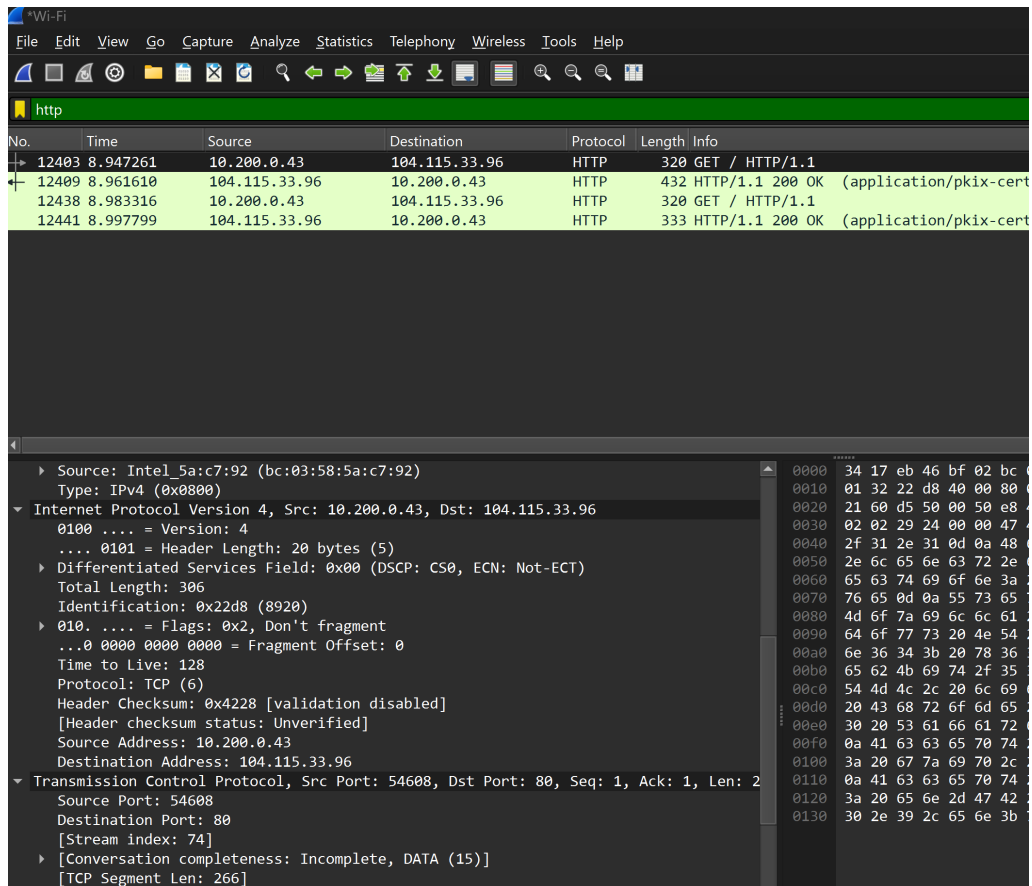
- + Like TCP with 6, ICMP uses 1, UDP uses 17 etc.

🔍 Research and find out what are the Protocol Numbers for the Protocols?

🔍 What is the difference between Port Numbers and Protocol Numbers?

- + Whereas, Port numbers are used at the transport layer (TCP/UDP) to identify specific processes or services on a host.
- + They allow multiple services to run simultaneously on a single device like HTTP uses Port 80 (TCP), HTTPS uses Port 443 (TCP), DNS uses Port 53 (UDP) etc
- + Ports are associated with specific applications or services on a host system.

Vulnerability Assessment – ACCB6000



- + Like in the above screenshot, a http uses Port 80.
- + Overall, protocol numbers describe the type of data ("how"), while port numbers specify where the data should go ("who").