

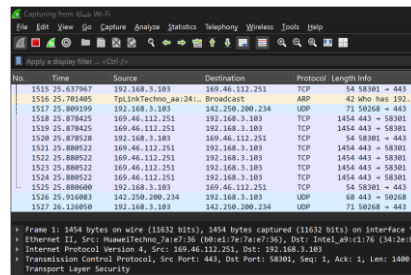
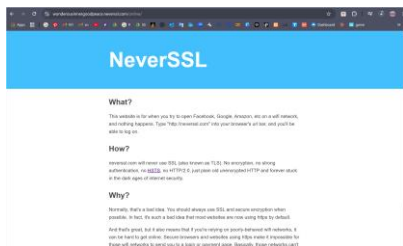
Wireshark Lab 1

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Part 1: Capturing HTTP Traffic.

Task 1: Start Wireshark and capture packets.

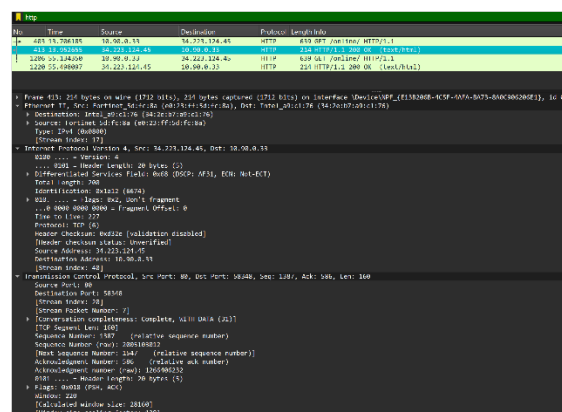
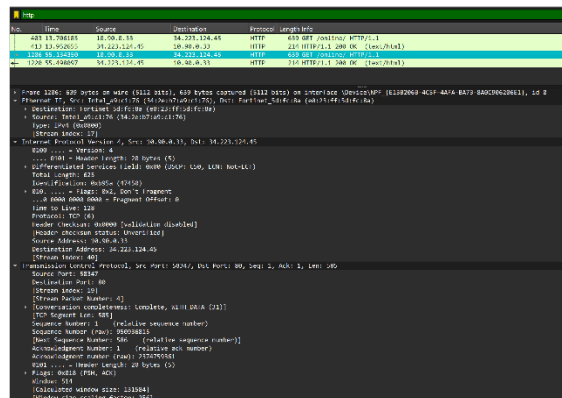
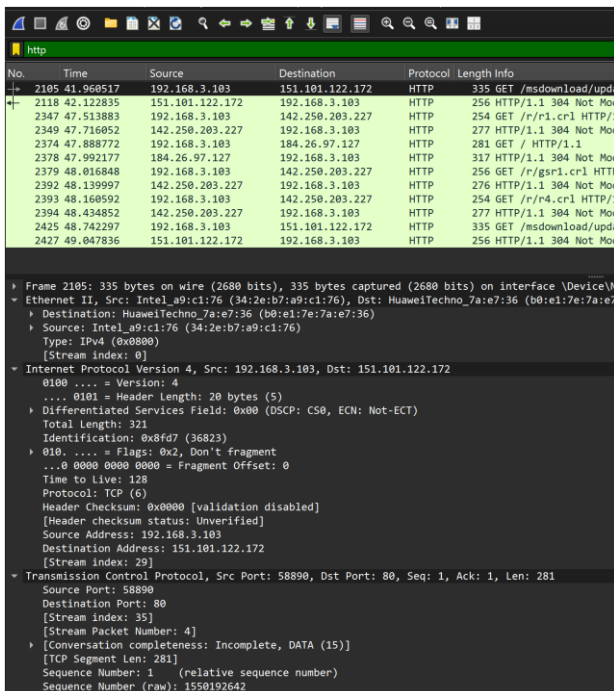
Task 2: Filter HTTP packets and analyze them.



Part 2: Analyzing TCP/IP Traffic.

Task 1: Filter TCP packets

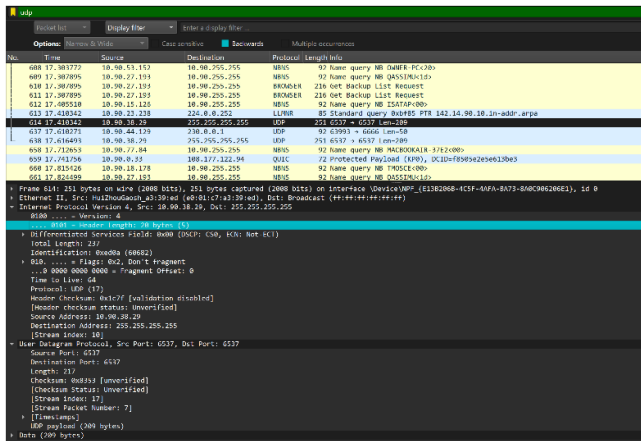
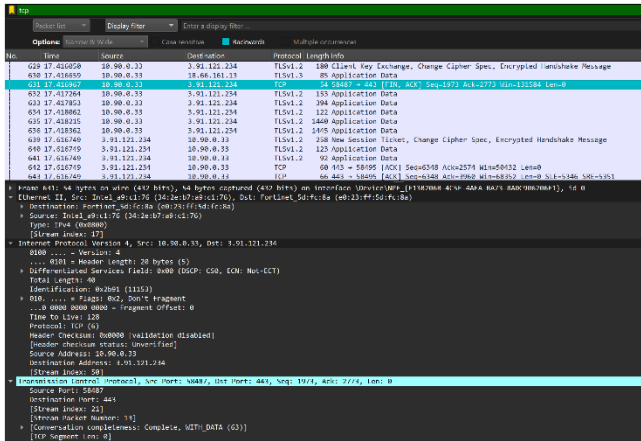
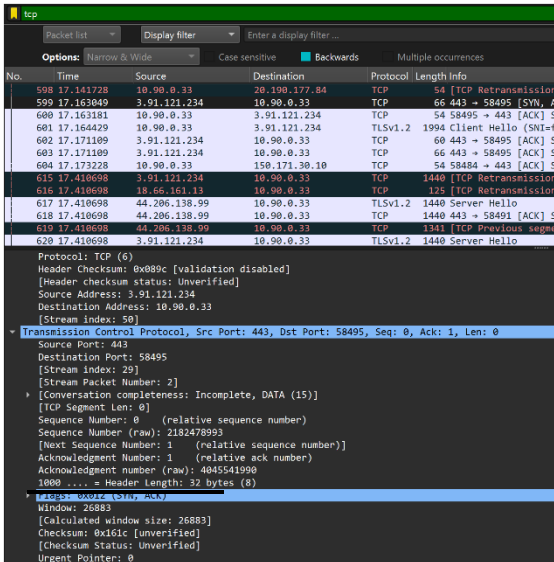
Task 2: Analyze TCP handshake and investigate Data Transfer and Termination



Part 3: Capturing and Analyzing UDP Traffic

Task 1: Generate UDP traffic and capture packets

Task 2: Filter and analysis UDP Packets



Part 4 :

Task 1 :

	TCP or UDP	Reasons
Reliability and connection establishment	TCP	Because of the three-way handshake at the beginning of the connection setup.
Data integrity and ordering	TCP	TCP ensures data integrity and orders packets correctly before delivering them.

Task 2 :

	TCP	UDP
USECASE	Files transmission	Live Gaming (e.g., HTTP, FTP)
performance	Secure and reliable	Fast but less reliable