

Task 2: Filter and analysis UDP Packets

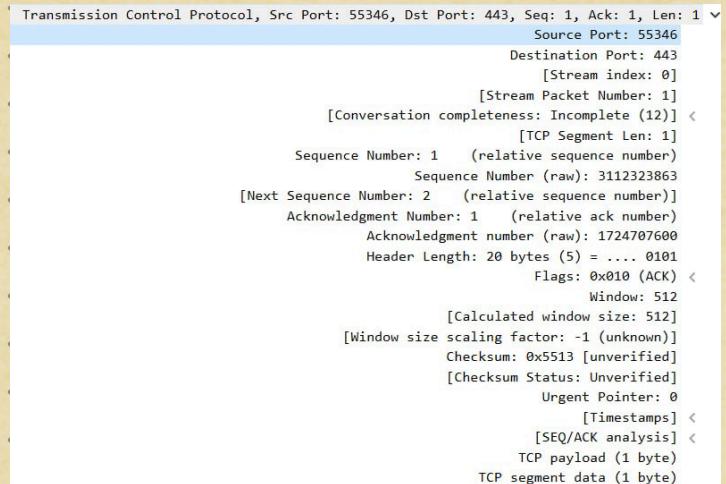
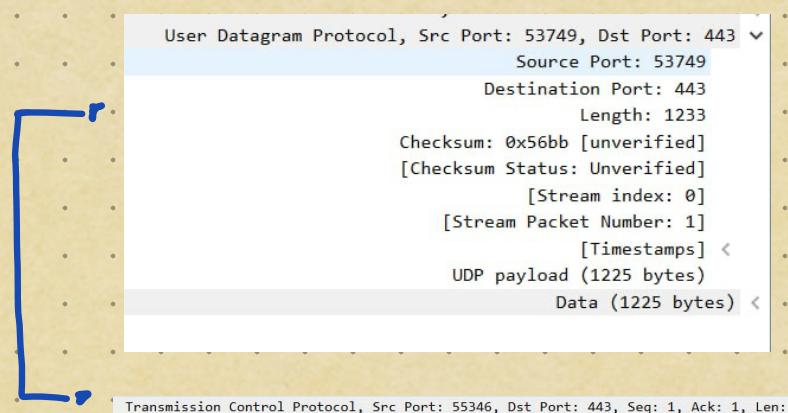
Step 1: In the filter bar, type UDP and press Enter.

Step 2: This filters out only the UDP packets from the capture.

Step 3: Select any UDP packet to view its details.

Step 4: Observe the source and destination ports, length, and data.

Step 5: Compare the simplicity of UDP headers with TCP headers.



	TCP or UDP	Reasons
Reliability and Connection Establishment	TCP	+TCP uses 3 way handshake before data transfer. +manages data transmission
Data Integrity and Ordering	TCP	+Performs error checking using checksums to detect data corruption. +ensures packets are reassembled in the same order they were sent

Task 2: Identify the use Cases and Performance of TCP and UDP.

	TCP	UDP
Use cases	E-mail / Remote login	Video Stream / Online gaming
Performance	Low Performance and high reliability	High Performance and low reliability