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SE20UARI020

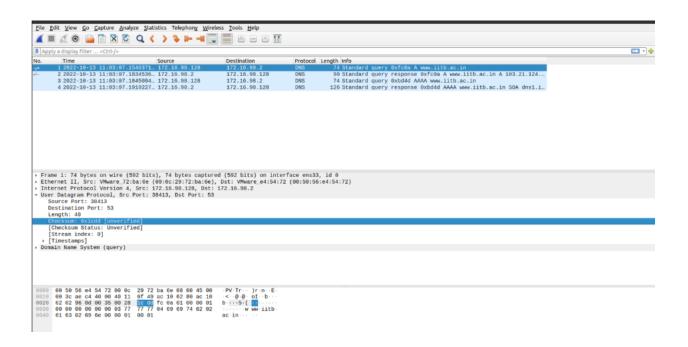
15 October 2022

LAB4

1. Packet Number – 1

UDP Payload

The header contains 4 fields: the source port, destination port, length, and checksum.



- 2. Each UDP is 2 bytes long
- 3. The value in the length field is the sum of the 8 header bytes, plus the 29 encapsulated data bytes (UDP Payload).
- 4. The maximum number of bytes in the payload is $(2^16 1)$ the header bytes(8). Therefore the maximum payload is 65535-8 = 65527 bytes.
- 5. The largest possible source port number is $2^16 1 = 65,535$.

- 6. The IP protocol number for UDP is 17 in decimal value.
- 7. The packet Number of the 1st UDP segment is 1The packet Number of the 2nd UDP segment is 2 The source port of the UDP packet sent by the host is the same as the destination port of the reply packet, and the destination port of the UDP packet sent by the host is the same as the source port of the reply packet

