DC&CN Lab Practice

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CSE - 2

**Answer the following questions:**

Q.1 Select one UDP packet from your trace. From this packet, determine how many fields there are in the UDP header.

Ans- Source Port: 62547

Destination Port: 443

Length: 37

Checksum: 0x7145 [unverified]

Q.2 By consulting the displayed information in Wireshark’s packet content field for this packet, determine the length (in bytes) of each of the UDP header fields.

Ans- Each field consist of 4 hexchar = 16 bits = 2 bytes.

Q.3 The value in the Length field is the length of what? Verify your claim with your captured UDP packet.

Ans- The length field is the length of header + Data in term of bytes.

Q.4 What is the maximum number of bytes that can be included in a UDP payload?

Ans- (2^16) – 1 = 65535 bytes (Max)

Max Data Bytes = 65335 – 8 = 65527 bytes.

Q.5 What is the largest possible source port number?

Ans- length of source code 16 bits, largest possible source port 65535 bytes.

Q.6 What is the protocol number for UDP? Give your answer in both hexadecimal and decimal notations.

Ans- Protocol Number 17 and Hex 11