Lab 5

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- 1. The header only contains Source Port. Destination Port, Length, and Checksum.
- 2. UDP Header is 8 bytes, with 2 bytes for each field.
- 3. The length field specifies the total bytes in a UDP segment (header and data) for example a packet of length 49 then the payload size is 41 bytes.

```
Destination Address: 17.248.250.8

User Datagram Protocol, Src Port: 65429, Dst Port: 443
Source Port: 65429
Destination Port: 443
Length: 49
Checksum: 0x861c [unverified]
[Checksum Status: Unverified]
[Stream index: 2]
[Timestamps]
        [Time since first frame: 0.000000000 seconds]
        [Time since previous frame: 0.000000000 seconds]
UDP payload (41 bytes)
[Community ID: 1:c514MZ95DdcmAL2CJlr6FbOKyAE=]
```

- 4. Length has 2 bytes then 16 bits max length is $2^16 1 = 65535$ bytes Then Max payload = 65535 8 = 65527 Bytes
- 5. Longest port number = $2^16 1 = 65535$
- 6. Protocol: UDP (17) in decimal and 0x11 in hexadecimal
- 7. Source of request = destination of reply and source of reply = destination of request