Analysis of UDP headers:

UDP header is an 8-byte fixed and simple header. The first 8 Bytes contain all necessary header information and the remaining part consists of data. UDP port number fields are each 16 bits long, therefore the range for port numbers is defined from 0 to 65535.

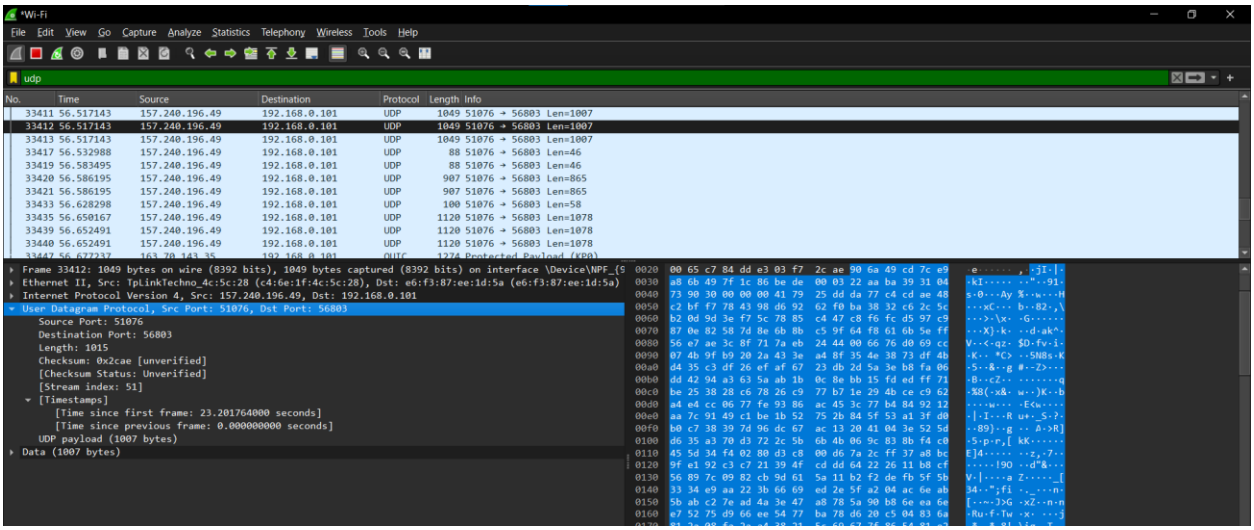
The headers include:

Source Port: Source Port is a 2 Byte long field used to identify the port number of the source.

Destination Port: It is a 2 Byte long field, used to identify the port of the destined packet.

Length: Length is the length of UDP including the header and the data. It is a 16-bits field.

Checksum: Checksum is 2 Bytes long field. The checksum is calculated by summing all 16-bit words in the header and payload, then taking the one's complement of the result.



In the packet selected above following are the information about the UDP headers.

- **Source Port**: 51076
  - This is the source port used by the sender.
- **Destination Port**: 56803
  - This is the destination port used by the receiver.
- **Length**: 1015
  - The length of the UDP datagram, including the header and payload, is 1015 bytes.
- **Checksum**: 0x2cae [unverified]
  - This is the checksum value for error-checking in the UDP datagram. The [unverified] status indicates that the checksum was not verified by the analysis tool.

- **UDP Payload Length**: 1007 bytes

    - The length of the UDP payload is 1007 bytes.
- **Data**: 1007 bytes
    - This is the actual data carried by the UDP packet.

Timestamps

- **Time since first frame**: 23.201764000 seconds
    - The time elapsed since the first frame was captured in this session.
- **Time since previous frame**: 0.000000000 seconds
    - The time elapsed since the previous frame was captured (essentially indicating this is the next packet in sequence with no delay).

Stream index: 51

It refers to the identifier given to the streram of packets. This packet has index 51 which means this is 51st packet.