Advanced IP Analysis

Advanced IP Analysis

- Understanding and working with the IP Header
- What is the Internet Protocol (IP)?
  - Layer 3
  - Routing (source and destination IP addresses)
  - Others
- Wireshark analysis
  - What can you find in the IP header?

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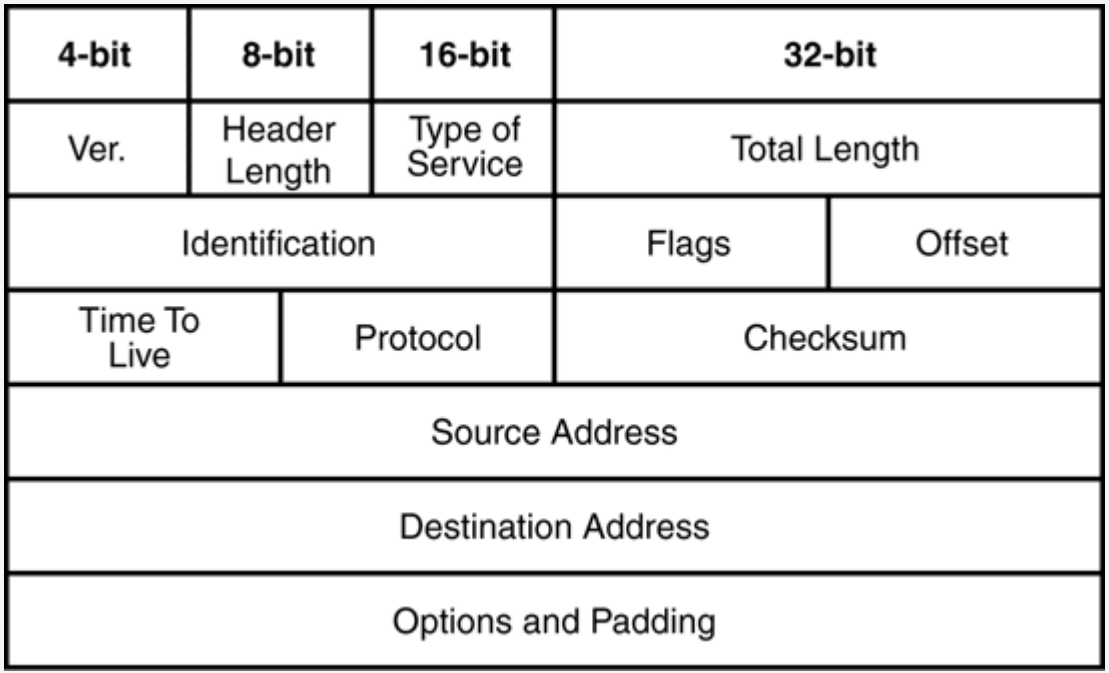

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```
⊟ Internet Protocol Version 4, Src: 10.170.170.11 (10.170.170.11), Dst: 10.121.90.106 (10.121.90.106)
    Version: 4
    Header Length: 20 bytes
  ⊞ Differentiated Services Field: 0x00 (DSCP 0x00: Default; ECN: 0x00: Not-ECT (Not ECN-Capable Transport))
    Total Length: 71
    Identification: 0x3d66 (15718)
  ⊞ Flags: 0x00
    Fragment offset: 0
    Time to live: 123
    Protocol: UDP (17)
  ⊞ Header checksum: 0xe8a7 [correct]
    Source: 10.170.170.11 (10.170.170.11)
    Destination: 10.121.90.106 (10.121.90.106)
    [Source GeoIP: Unknown]
    [Destination GeoIP: Unknown]
⊞ User Datagram Protocol, Src Port: 53 (53), Dst Port: 58157 (58157)
⊞ Domain Name System (response)
```

Questions?