

Assignment 7 ICMP_2 wireshark

Q1. What is the IP address of your host? What is the IP address of the target destination host?

Ans- Src. Host IP = 192.168.1.15, Dst. Host IP = 142.250.183.174

121 1.714254 192.168.1.15 142.250.183.174 ICMP 106 Echo (ping) request id=0x0001, seq=21/5376, ttl=1 (no response found!)

Q2. If ICMP sent UDP packets instead (as in Unix/Linux), would the IP protocol number still be 01 for the probe packets? If not, what would it be?

Ans- No, If ICMP sent UDP packets instead, then the IP protocol number would be 17 (UDP 17).

In Windows:-

```
Internet Control Message Protocol
  Type: 11 (Time-to-live exceeded)
  Code: 0 (Time to live exceeded in transit)
  Checksum: 0xf4ff [correct]
  [Checksum Status: Good]
  Unused: 00000000
  Internet Protocol Version 4, Src: 192.168.1.15, Dst: 142.250.183.174
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    ▶ Differentiated Services Field: 0x60 (DSCP: CS3, ECN: Not-ECT)
      Total Length: 92
      Identification: 0x4a6d (19053)
    ▶ 000. .... = Flags: 0x0
      ...0 0000 0000 0000 = Fragment Offset: 0
    ▶ Time to Live: 1
    Protocol: ICMP (1)
```

In Kali Linux:-

```
Internet Control Message Protocol
  Type: 11 (Time-to-live exceeded)
  Code: 0 (Time to live exceeded in transit)
  Checksum: 0x8c38 [correct]
  [Checksum Status: Good]
  Unused: 00000000
  Internet Protocol Version 4, Src: 192.168.1.14, Dst: 142.250.70.78
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    ▶ Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
      Total Length: 60
      Identification: 0x49dc (18908)
    ▶ 000. .... = Flags: 0x0
      ...0 0000 0000 0000 = Fragment Offset: 0
    ▶ Time to Live: 1
    Protocol: UDP (17)
```

Ans-

[illegible]

Ans-

[illegible]