

Computer Networks - Wireshark Lab4

1. IP address: 192.168.1.112, Port: 50776

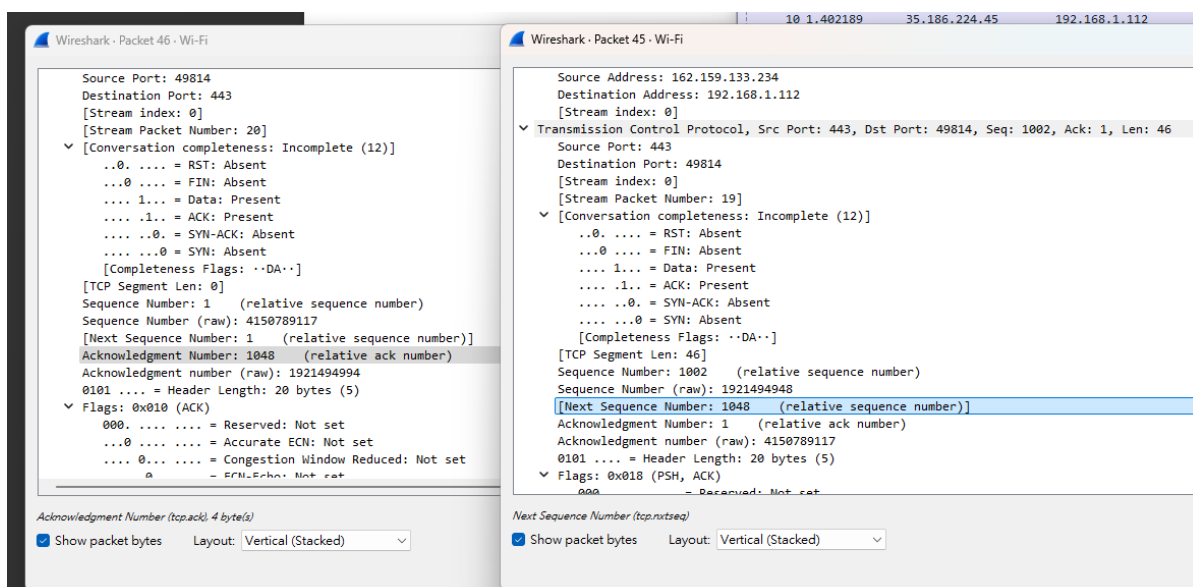
```
> Internet Protocol Version 4, Src: 192.168.1.112, Dst: 128.119.245.12
> Transmission Control Protocol, Src Port: 50776, Dst Port: 80, Seq: 1, Ack: 1, Len: 1
> Hypertext Transfer Protocol
```

2. Seq=1, Segment=0x010

```
Transmission Control Protocol, Src Port: 49814, Dst Port: 443, Seq: 1, Ack: 1048, Len: 0
  Source Port: 49814
  Destination Port: 443
  [Stream index: 0]
  [Stream Packet Number: 20]
  [Conversation completeness: Incomplete (12)]
    ..0. .... = RST: Absent
    ...0 .... = FIN: Absent
    .... 1... = Data: Present
    .... 1... = ACK: Present
    .... ..0. = SYN-ACK: Absent
    .... ...0 = SYN: Absent
    [Completeness Flags: ..DA..]
  [TCP Segment Len: 0]
  Sequence Number: 1 (relative sequence number)
  Sequence Number (raw): 4150789117
  [Next Sequence Number: 1 (relative sequence number)]
  Acknowledgment Number: 1048 (relative ack number)
  Acknowledgment number (raw): 1921494994
  0101 .... = Header Length: 20 bytes (5)
  > Flags: 0x010 (ACK)
  Window: 2053
  [Calculated window size: 2053]
  [Window size scaling factor: -1 (unknown)]
```

3. ACK: 1048

By using last ACK + TCP sequence length



4. Window size: 2053

```
[TCP flags: .....A.....]  
Window: 2053  
[Calculated window size: 2053]  
[Window size scaling factor: -1 (unknown)]  
Checksum: 0xeabc [unverified]  
[Checksum Status: Unverified]  
Urgent Pointer: 0  
> [Timestamps]  
✓ [CSO/ACK analysis]
```