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COMPUTER NETWORKS

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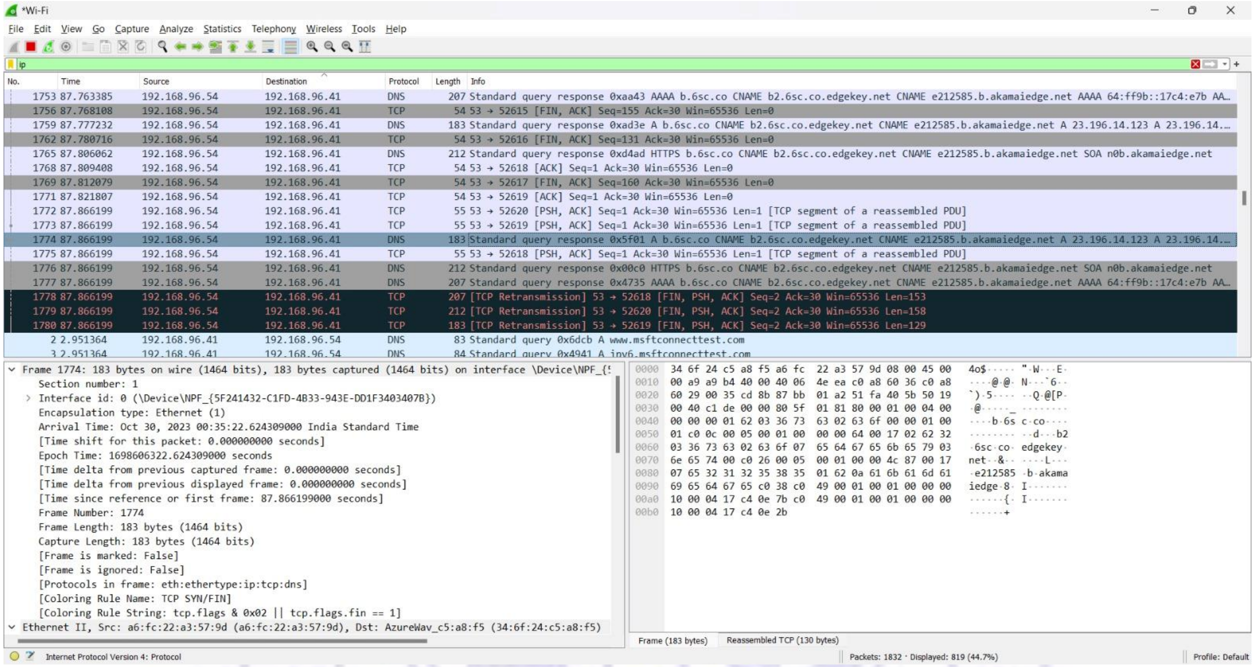
TY Comp Div-2, T4 Batch

Assignment-8: Analyze TCP, UDP and IPV4 Header using Wireshark


*Wi-Fi
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
ip

```
No.   Time       Source         Destination    Protocol Length Info
 1753 87.763385  192.168.96.54  192.168.96.41  DNS      207 Standard query response 0xaa43 AAAA b.6sc.co CNAME b2.6sc.co.edgekey.net CNAME e212585.b.akamaiedge.net AAAA 64:ff9b::17c4:e7b AA…
 1756 87.768108  192.168.96.54  192.168.96.41  TCP       54 53 → 52615 [FIN, ACK] Seq=155 Ack=30 Win=65536 Len=0
 1759 87.777232  192.168.96.54  192.168.96.41  DNS      183 Standard query response 0xad3e A b.6sc.co CNAME b2.6sc.co.edgekey.net CNAME e212585.b.akamaiedge.net A 23.196.14.123 A 23.196.14.…
 1762 87.780716  192.168.96.54  192.168.96.41  TCP       54 53 → 52616 [FIN, ACK] Seq=131 Ack=30 Win=65536 Len=0
 1765 87.806062  192.168.96.54  192.168.96.41  DNS      212 Standard query response 0xd4ad HTTPS b.6sc.co CNAME b2.6sc.co.edgekey.net CNAME e212585.b.akamaiedge.net SOA n0b.akamaiedge.net
 1768 87.809408  192.168.96.54  192.168.96.41  TCP       54 53 → 52618 [ACK] Seq=1 Ack=30 Win=65536 Len=0
 1769 87.812079  192.168.96.54  192.168.96.41  TCP       54 53 → 52617 [FIN, ACK] Seq=160 Ack=30 Win=65536 Len=0
 1771 87.821807  192.168.96.54  192.168.96.41  TCP       54 53 → 52619 [ACK] Seq=1 Ack=30 Win=65536 Len=0
 1772 87.866199  192.168.96.54  192.168.96.41  TCP       55 53 → 52620 [PSH, ACK] Seq=1 Ack=30 Win=65536 Len=1 [TCP segment of a reassembled PDU]
 1773 87.866199  192.168.96.54  192.168.96.41  TCP       55 53 → 52619 [PSH, ACK] Seq=1 Ack=30 Win=65536 Len=1 [TCP segment of a reassembled PDU]
 1774 87.866199  192.168.96.54  192.168.96.41  DNS      183 Standard query response 0x5f01 A b.6sc.co CNAME b2.6sc.co.edgekey.net CNAME e212585.b.akamaiedge.net A 23.196.14.123 A 23.196.14.…
 1775 87.866199  192.168.96.54  192.168.96.41  TCP       55 53 → 52618 [PSH, ACK] Seq=1 Ack=30 Win=65536 Len=1 [TCP segment of a reassembled PDU]
 1776 87.866199  192.168.96.54  192.168.96.41  DNS      212 Standard query response 0x00c0 HTTPS b.6sc.co CNAME b2.6sc.co.edgekey.net CNAME e212585.b.akamaiedge.net SOA n0b.akamaiedge.net
 1777 87.866199  192.168.96.54  192.168.96.41  DNS      207 Standard query response 0x4735 AAAA b.6sc.co CNAME b2.6sc.co.edgekey.net CNAME e212585.b.akamaiedge.net AAAA 64:ff9b::17c4:e7b AA…
 1778 87.866199  192.168.96.54  192.168.96.41  TCP      207 [TCP Retransmission] 53 → 52618 [FIN, PSH, ACK] Seq=2 Ack=30 Win=65536 Len=153
 1779 87.866199  192.168.96.54  192.168.96.41  TCP      212 [TCP Retransmission] 53 → 52620 [FIN, PSH, ACK] Seq=2 Ack=30 Win=65536 Len=158
 1780 87.866199  192.168.96.54  192.168.96.41  TCP      183 [TCP Retransmission] 53 → 52619 [FIN, PSH, ACK] Seq=2 Ack=30 Win=65536 Len=129
    2 2.951364   192.168.96.41  192.168.96.54  DNS       83 Standard query 0x6dcb A www.msftconnecttest.com
    3 2.951364   192.168.96.41  192.168.96.54  DNS       84 Standard query 0x4941 A ipv6.msftconnecttest.com
```

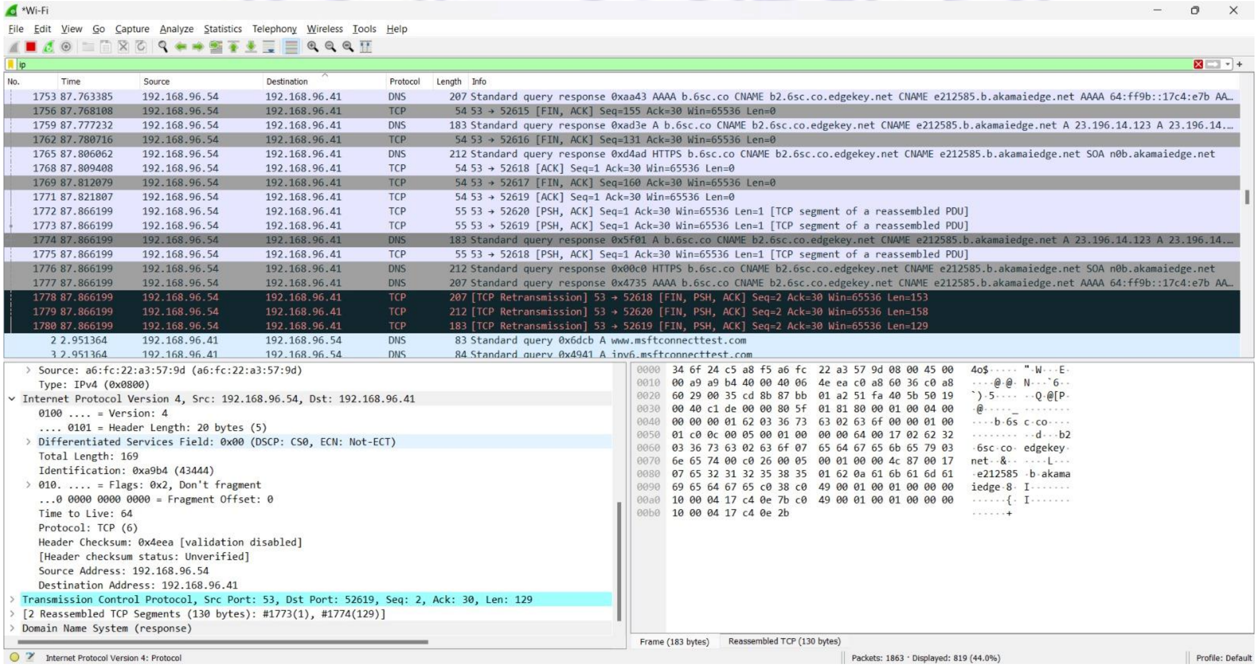
```
v Frame 1774: 183 bytes on wire (1464 bits), 183 bytes captured (1464 bits) on interface \Device\NPF_{5
    Section number: 1
  > Interface id: 0 (\Device\NPF_{5F241432-C1FD-4B33-943E-DD1F3403407B})
    Encapsulation type: Ethernet (1)
    Arrival Time: Oct 30, 2023 00:35:22.624309000 India Standard Time
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1698606322.624309000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 87.866199000 seconds]
    Frame Number: 1774
    Frame Length: 183 bytes (1464 bits)
    Capture Length: 183 bytes (1464 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:dns]
    [Coloring Rule Name: TCP SYN/FIN]
    [Coloring Rule String: tcp.flags & 0x02 || tcp.flags.fin == 1]
v Ethernet II, Src: a6:fc:22:a3:57:9d (a6:fc:22:a3:57:9d), Dst: AzureWav_c5:a8:f5 (34:6f:24:c5:a8:f5)
```

```
0000  34 6f 24 c5 a8 f5 a6 fc  22 a3 57 9d 08 00 45 00   4o$·····"·W···E·
0010  00 a9 a9 b4 40 00 40 06  4e ea c0 a8 60 36 c0 a8   ····@·@·N···`6··
0020  60 29 00 35 cd 8b 87 bb  01 a2 51 fa 40 5b 50 19   `)·5······Q·@[P·
0030  00 40 c1 de 00 00 80 5f  01 81 80 00 01 00 04 00   ·@·····_········
0040  00 00 00 01 62 03 36 73  63 02 63 6f 00 00 01 00   ····b·6sc·co····
0050  01 c0 0c 00 05 00 01 00  00 00 64 00 17 02 62 32   ··········d···b2
0060  03 36 73 63 02 63 6f 07  65 64 67 65 6b 65 79 03   ·6sc·co·edgekey·
0070  6e 65 74 00 c0 26 00 05  00 01 00 00 4c 87 00 17   net··&······L···
0080  07 65 32 31 32 35 38 35  01 62 0a 61 6b 61 6d 61   ·e212585·b·akama
0090  69 65 64 67 65 c0 38 c0  49 00 01 00 01 00 00 00   iedge·8·I·······
00a0  10 00 04 17 c4 0e 7b c0  49 00 01 00 01 00 00 00   ······{·I·······
00b0  10 00 04 17 c4 0e 2b                               ······+
```

Internet Protocol Version 4: Protocol

Packets: 1832 · Displayed: 819 (44.7%)

Profile: Default


*Wi-Fi
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
ip

```
No.   Time       Source         Destination    Protocol Length Info
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 1768 87.809408  192.168.96.54  192.168.96.41  TCP       54 53 → 52618 [ACK] Seq=1 Ack=30 Win=65536 Len=0
 1769 87.812079  192.168.96.54  192.168.96.41  TCP       54 53 → 52617 [FIN, ACK] Seq=160 Ack=30 Win=65536 Len=0
 1771 87.821807  192.168.96.54  192.168.96.41  TCP       54 53 → 52619 [ACK] Seq=1 Ack=30 Win=65536 Len=0
 1772 87.866199  192.168.96.54  192.168.96.41  TCP       55 53 → 52620 [PSH, ACK] Seq=1 Ack=30 Win=65536 Len=1 [TCP segment of a reassembled PDU]
 1773 87.866199  192.168.96.54  192.168.96.41  TCP       55 53 → 52619 [PSH, ACK] Seq=1 Ack=30 Win=65536 Len=1 [TCP segment of a reassembled PDU]
 1774 87.866199  192.168.96.54  192.168.96.41  DNS      183 Standard query response 0x5f01 A b.6sc.co CNAME b2.6sc.co.edgekey.net CNAME e212585.b.akamaiedge.net A 23.196.14.123 A 23.196.14.…
 1775 87.866199  192.168.96.54  192.168.96.41  TCP       55 53 → 52618 [PSH, ACK] Seq=1 Ack=30 Win=65536 Len=1 [TCP segment of a reassembled PDU]
 1776 87.866199  192.168.96.54  192.168.96.41  DNS      212 Standard query response 0x00c0 HTTPS b.6sc.co CNAME b2.6sc.co.edgekey.net CNAME e212585.b.akamaiedge.net SOA n0b.akamaiedge.net
 1777 87.866199  192.168.96.54  192.168.96.41  DNS      207 Standard query response 0x4735 AAAA b.6sc.co CNAME b2.6sc.co.edgekey.net CNAME e212585.b.akamaiedge.net AAAA 64:ff9b::17c4:e7b AA…
 1778 87.866199  192.168.96.54  192.168.96.41  TCP      207 [TCP Retransmission] 53 → 52618 [FIN, PSH, ACK] Seq=2 Ack=30 Win=65536 Len=153
 1779 87.866199  192.168.96.54  192.168.96.41  TCP      212 [TCP Retransmission] 53 → 52620 [FIN, PSH, ACK] Seq=2 Ack=30 Win=65536 Len=158
 1780 87.866199  192.168.96.54  192.168.96.41  TCP      183 [TCP Retransmission] 53 → 52619 [FIN, PSH, ACK] Seq=2 Ack=30 Win=65536 Len=129
    2 2.951364   192.168.96.41  192.168.96.54  DNS       83 Standard query 0x6dcb A www.msftconnecttest.com
    3 2.951364   192.168.96.41  192.168.96.54  DNS       84 Standard query 0x4941 A ipv6.msftconnecttest.com
```

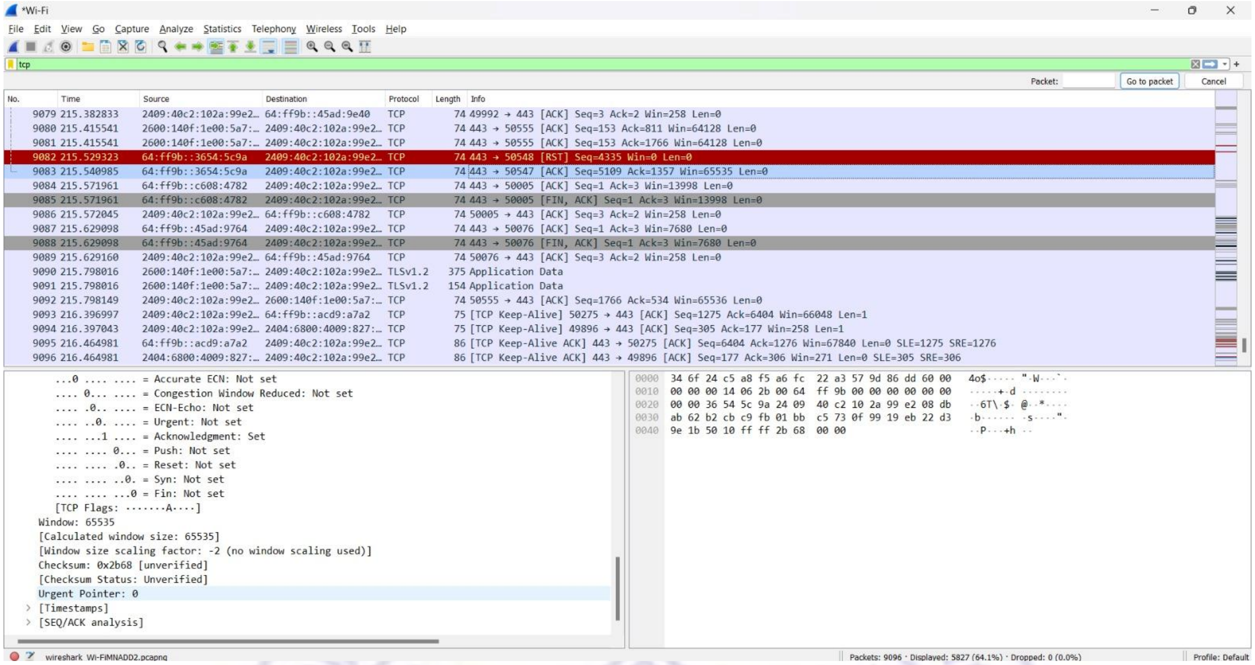
```
  > Source: a6:fc:22:a3:57:9d (a6:fc:22:a3:57:9d)
    Type: IPv4 (0x0800)
v Internet Protocol Version 4, Src: 192.168.96.54, Dst: 192.168.96.41
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
  > Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
    Total Length: 169
    Identification: 0xa9b4 (43444)
  > 010. .... = Flags: 0x2, Don't fragment
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 64
    Protocol: TCP (6)
    Header Checksum: 0x4eea [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 192.168.96.54
    Destination Address: 192.168.96.41
> Transmission Control Protocol, Src Port: 53, Dst Port: 52619, Seq: 2, Ack: 30, Len: 129
> [2 Reassembled TCP Segments (130 bytes): #1773(1), #1774(129)]
> Domain Name System (response)
```

```
0000  34 6f 24 c5 a8 f5 a6 fc  22 a3 57 9d 08 00 45 00   4o$·····"·W···E·
0010  00 a9 a9 b4 40 00 40 06  4e ea c0 a8 60 36 c0 a8   ····@·@·N···`6··
0020  60 29 00 35 cd 8b 87 bb  01 a2 51 fa 40 5b 50 19   `)·5······Q·@[P·
0030  00 40 c1 de 00 00 80 5f  01 81 80 00 01 00 04 00   ·@·····_········
0040  00 00 00 01 62 03 36 73  63 02 63 6f 00 00 01 00   ····b·6sc·co····
0050  01 c0 0c 00 05 00 01 00  00 00 64 00 17 02 62 32   ··········d···b2
0060  03 36 73 63 02 63 6f 07  65 64 67 65 6b 65 79 03   ·6sc·co·edgekey·
0070  6e 65 74 00 c0 26 00 05  00 01 00 00 4c 87 00 17   net··&······L···
0080  07 65 32 31 32 35 38 35  01 62 0a 61 6b 61 6d 61   ·e212585·b·akama
0090  69 65 64 67 65 c0 38 c0  49 00 01 00 01 00 00 00   iedge·8·I·······
00a0  10 00 04 17 c4 0e 7b c0  49 00 01 00 01 00 00 00   ······{·I·······
00b0  10 00 04 17 c4 0e 2b                               ······+
```

Internet Protocol Version 4: Protocol

Packets: 1863 · Displayed: 819 (44.0%)

Profile: Default


*Wi-Fi
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Packet:
Go to packet
Cancel

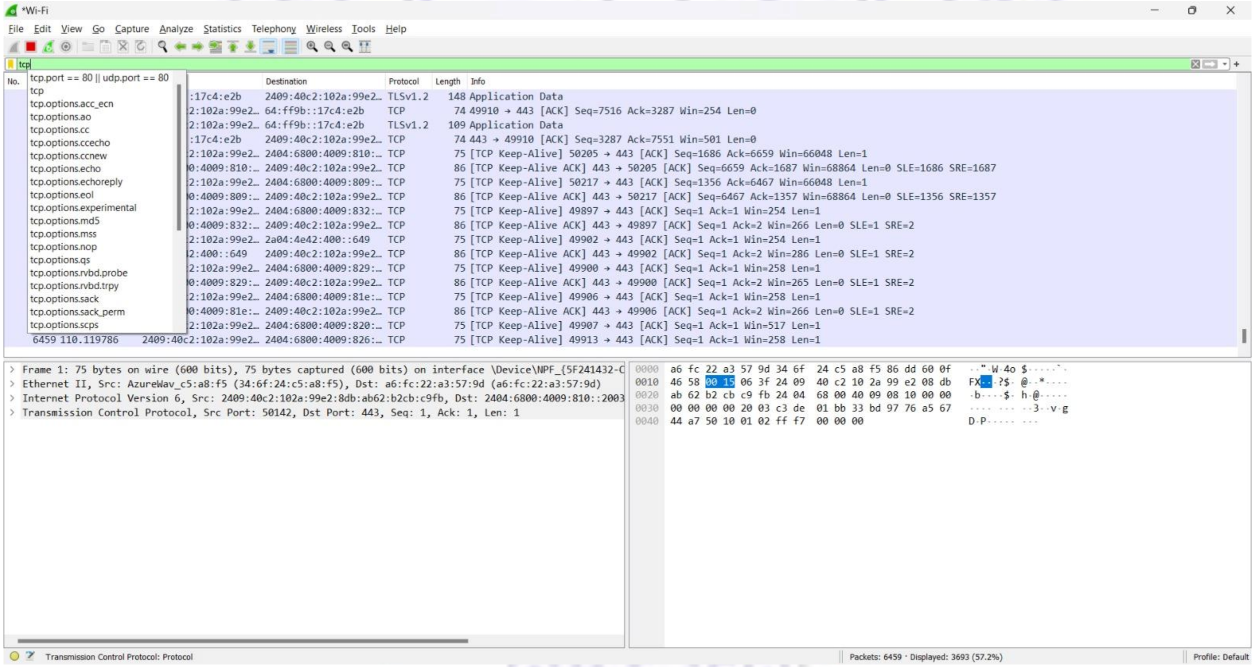
```
tcp

No.  Time       Source               Destination          Protocol Length Info
9079 215.382833 2409:40c2:102a:99e2… 64:ff9b::45ad:9e40   TCP      74 49992 → 443 [ACK] Seq=3 Ack=2 Win=258 Len=0
9080 215.415541 2600:140f:1e00:5a7:… 2409:40c2:102a:99e2… TCP      74 443 → 50555 [ACK] Seq=153 Ack=811 Win=64128 Len=0
9081 215.415541 2600:140f:1e00:5a7:… 2409:40c2:102a:99e2… TCP      74 443 → 50555 [ACK] Seq=153 Ack=1766 Win=64128 Len=0
9082 215.529323 64:ff9b::3654:5c9a   2409:40c2:102a:99e2… TCP      74 443 → 50548 [RST] Seq=4335 Win=0 Len=0
9083 215.540985 64:ff9b::3654:5c9a   2409:40c2:102a:99e2… TCP      74 443 → 50547 [ACK] Seq=5109 Ack=1357 Win=65535 Len=0
9084 215.571961 64:ff9b::c608:4782   2409:40c2:102a:99e2… TCP      74 443 → 50005 [ACK] Seq=1 Ack=3 Win=13998 Len=0
9085 215.571961 64:ff9b::c608:4782   2409:40c2:102a:99e2… TCP      74 443 → 50005 [FIN, ACK] Seq=1 Ack=3 Win=13998 Len=0
9086 215.572045 2409:40c2:102a:99e2… 64:ff9b::c608:4782   TCP      74 50005 → 443 [ACK] Seq=3 Ack=2 Win=258 Len=0
9087 215.629098 64:ff9b::45ad:9764   2409:40c2:102a:99e2… TCP      74 443 → 50076 [ACK] Seq=1 Ack=3 Win=7680 Len=0
9088 215.629098 64:ff9b::45ad:9764   2409:40c2:102a:99e2… TCP      74 443 → 50076 [FIN, ACK] Seq=1 Ack=3 Win=7680 Len=0
9089 215.629160 2409:40c2:102a:99e2… 64:ff9b::45ad:9764   TCP      74 50076 → 443 [ACK] Seq=3 Ack=2 Win=258 Len=0
9090 215.798016 2600:140f:1e00:5a7:… 2409:40c2:102a:99e2… TLSv1.2 375 Application Data
9091 215.798016 2600:140f:1e00:5a7:… 2409:40c2:102a:99e2… TLSv1.2 154 Application Data
9092 215.798149 2409:40c2:102a:99e2… 2600:140f:1e00:5a7:… TCP      74 50555 → 443 [ACK] Seq=1766 Ack=534 Win=65536 Len=0
9093 216.396997 2409:40c2:102a:99e2… 64:ff9b::acd9:a7a2   TCP      75 [TCP Keep-Alive] 50275 → 443 [ACK] Seq=1275 Ack=6404 Win=66048 Len=1
9094 216.397043 2409:40c2:102a:99e2… 2404:6800:4009:827:… TCP      75 [TCP Keep-Alive] 49896 → 443 [ACK] Seq=305 Ack=177 Win=258 Len=1
9095 216.464981 64:ff9b::acd9:a7a2   2409:40c2:102a:99e2… TCP      86 [TCP Keep-Alive ACK] 443 → 50275 [ACK] Seq=6404 Ack=1276 Win=67840 Len=0 SLE=1275 SRE=1276
9096 216.464981 2404:6800:4009:827:… 2409:40c2:102a:99e2… TCP      86 [TCP Keep-Alive ACK] 443 → 49896 [ACK] Seq=177 Ack=306 Win=271 Len=0 SLE=305 SRE=306
```

```
      ...0 .... .... = Accurate ECN: Not set
      .... 0... .... = Congestion Window Reduced: Not set
      .... .0.. .... = ECN-Echo: Not set
      .... ..0. .... = Urgent: Not set
      .... ...1 .... = Acknowledgment: Set
      .... .... 0... = Push: Not set
      .... .... .0.. = Reset: Not set
      .... .... ..0. = Syn: Not set
      .... .... ...0 = Fin: Not set
      [TCP Flags: ·······A····]
   Window: 65535
   [Calculated window size: 65535]
   [Window size scaling factor: -2 (no window scaling used)]
   Checksum: 0x2b68 [unverified]
   [Checksum Status: Unverified]
   Urgent Pointer: 0
 > [Timestamps]
 > [SEQ/ACK analysis]
```

```
0000  34 6f 24 c5 a8 f5 a6 fc  22 a3 57 9d 86 dd 60 00   4o$·····"·W···`·
0010  00 00 00 14 06 2b 00 64  ff 9b 00 00 00 00 00 00   ·····+·d········
0020  00 00 36 54 5c 9a 24 09  40 c2 10 2a 99 e2 08 db   ··6T\·$·@··*····
0030  ab 62 b2 cb c9 fb 01 bb  c5 73 0f 99 19 eb 22 d3   ·b·······s····"·
0040  9e 1b 50 10 ff ff 2b 68  00 00                     ··P···+h··
```

```
wireshark_Wi-FiMNADD2.pcapng        Packets: 9096 · Displayed: 5827 (64.1%) · Dropped: 0 (0.0%)        Profile: Default
```



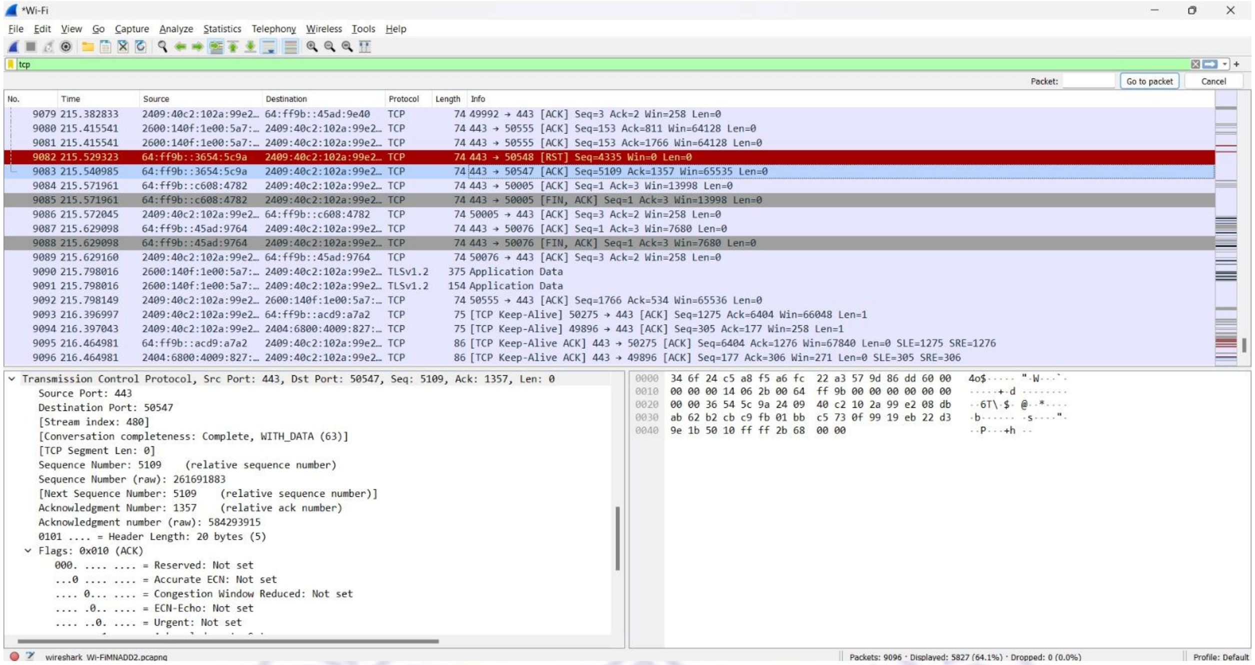
```
tcp

No.                    Destination          Protocol Length Info
        :17c4:e2b      2409:40c2:102a:99e2… TLSv1.2 148 Application Data
        2:102a:99e2…   64:ff9b::17c4:e2b    TCP      74 49910 → 443 [ACK] Seq=7516 Ack=3287 Win=254 Len=0
        2:102a:99e2…   64:ff9b::17c4:e2b    TLSv1.2 109 Application Data
        :17c4:e2b      2409:40c2:102a:99e2… TCP      74 443 → 49910 [ACK] Seq=3287 Ack=7551 Win=501 Len=0
        2:102a:99e2…   2404:6800:4009:810:… TCP      75 [TCP Keep-Alive] 50205 → 443 [ACK] Seq=1686 Ack=6659 Win=66048 Len=1
        0:4009:810:…   2409:40c2:102a:99e2… TCP      86 [TCP Keep-Alive ACK] 443 → 50205 [ACK] Seq=6659 Ack=1687 Win=68864 Len=0 SLE=1686 SRE=1687
        2:102a:99e2…   2404:6800:4009:809:… TCP      75 [TCP Keep-Alive] 50217 → 443 [ACK] Seq=1356 Ack=6467 Win=66048 Len=1
        0:4009:809:…   2409:40c2:102a:99e2… TCP      86 [TCP Keep-Alive ACK] 443 → 50217 [ACK] Seq=6467 Ack=1357 Win=68864 Len=0 SLE=1356 SRE=1357
        2:102a:99e2…   2404:6800:4009:832:… TCP      75 [TCP Keep-Alive] 49897 → 443 [ACK] Seq=1 Ack=1 Win=254 Len=1
        0:4009:832:…   2409:40c2:102a:99e2… TCP      86 [TCP Keep-Alive ACK] 443 → 49897 [ACK] Seq=1 Ack=2 Win=266 Len=0 SLE=1 SRE=2
        2:102a:99e2…   2a04:4e42:400::649   TCP      75 [TCP Keep-Alive] 49902 → 443 [ACK] Seq=1 Ack=1 Win=254 Len=1
        2:400::649     2409:40c2:102a:99e2… TCP      86 [TCP Keep-Alive ACK] 443 → 49902 [ACK] Seq=1 Ack=2 Win=286 Len=0 SLE=1 SRE=2
        2:102a:99e2…   2404:6800:4009:829:… TCP      75 [TCP Keep-Alive] 49900 → 443 [ACK] Seq=1 Ack=1 Win=258 Len=1
        0:4009:829:…   2409:40c2:102a:99e2… TCP      86 [TCP Keep-Alive ACK] 443 → 49900 [ACK] Seq=1 Ack=2 Win=265 Len=0 SLE=1 SRE=2
        2:102a:99e2…   2404:6800:4009:81e:… TCP      75 [TCP Keep-Alive] 49906 → 443 [ACK] Seq=1 Ack=1 Win=258 Len=1
        0:4009:81e:…   2409:40c2:102a:99e2… TCP      86 [TCP Keep-Alive ACK] 443 → 49906 [ACK] Seq=1 Ack=2 Win=266 Len=0 SLE=1 SRE=2
        2:102a:99e2…   2404:6800:4009:820:… TCP      75 [TCP Keep-Alive] 49907 → 443 [ACK] Seq=1 Ack=1 Win=517 Len=1
6459 110.119786 2409:40c2:102a:99e2… 2404:6800:4009:826:… TCP 75 [TCP Keep-Alive] 49913 → 443 [ACK] Seq=1 Ack=1 Win=258 Len=1
```

```
> Frame 1: 75 bytes on wire (600 bits), 75 bytes captured (600 bits) on interface \Device\NPF_{5F241432-C
> Ethernet II, Src: AzureWav_c5:a8:f5 (34:6f:24:c5:a8:f5), Dst: a6:fc:22:a3:57:9d (a6:fc:22:a3:57:9d)
> Internet Protocol Version 6, Src: 2409:40c2:102a:99e2:8db:ab62:b2cb:c9fb, Dst: 2404:6800:4009:810::2003
> Transmission Control Protocol, Src Port: 50142, Dst Port: 443, Seq: 1, Ack: 1, Len: 1
```

```
0000  a6 fc 22 a3 57 9d 34 6f  24 c5 a8 f5 86 dd 60 0f   ··"·W·4o $·····`·
0010  46 58 00 15 06 3f 24 09  40 c2 10 2a 99 e2 08 db   FX···?$· @··*····
0020  ab 62 b2 cb c9 fb 24 04  68 00 40 09 08 10 00 00   ·b····$· h·@·····
0030  00 00 00 00 20 03 c3 de  01 bb 33 bd 97 76 a5 67   ········ ··3··v·g
0040  44 a7 50 10 01 02 ff f7  00 00 00                  D·P····· ···
```

```
Transmission Control Protocol: Protocol        Packets: 6459 · Displayed: 3693 (57.2%)        Profile: Default
```


*Wi-Fi
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Packet:
Go to packet
Cancel

Display filter: tcp

```
No.    Time        Source                 Destination            Protocol  Length Info
  9079 215.382833  2409:40c2:102a:99e2…   64:ff9b::45ad:9e40     TCP           74 49992 → 443 [ACK] Seq=3 Ack=2 Win=258 Len=0
  9080 215.415541  2600:140f:1e00:5a7:…   2409:40c2:102a:99e2…   TCP           74 443 → 50555 [ACK] Seq=153 Ack=811 Win=64128 Len=0
  9081 215.415541  2600:140f:1e00:5a7:…   2409:40c2:102a:99e2…   TCP           74 443 → 50555 [ACK] Seq=153 Ack=1766 Win=64128 Len=0
  9082 215.529323  64:ff9b::3654:5c9a     2409:40c2:102a:99e2…   TCP           74 443 → 50548 [RST] Seq=4335 Win=0 Len=0
  9083 215.540985  64:ff9b::3654:5c9a     2409:40c2:102a:99e2…   TCP           74 443 → 50547 [ACK] Seq=5109 Ack=1357 Win=65535 Len=0
  9084 215.571961  64:ff9b::c608:4782     2409:40c2:102a:99e2…   TCP           74 443 → 50005 [ACK] Seq=1 Ack=3 Win=13998 Len=0
  9085 215.571961  64:ff9b::c608:4782     2409:40c2:102a:99e2…   TCP           74 443 → 50005 [FIN, ACK] Seq=1 Ack=3 Win=13998 Len=0
  9086 215.572045  2409:40c2:102a:99e2…   64:ff9b::c608:4782     TCP           74 50005 → 443 [ACK] Seq=3 Ack=2 Win=258 Len=0
  9087 215.629098  64:ff9b::45ad:9764     2409:40c2:102a:99e2…   TCP           74 443 → 50076 [ACK] Seq=1 Ack=3 Win=7680 Len=0
  9088 215.629098  64:ff9b::45ad:9764     2409:40c2:102a:99e2…   TCP           74 443 → 50076 [FIN, ACK] Seq=1 Ack=3 Win=7680 Len=0
  9089 215.629160  2409:40c2:102a:99e2…   64:ff9b::45ad:9764     TCP           74 50076 → 443 [ACK] Seq=3 Ack=2 Win=258 Len=0
  9090 215.798016  2600:140f:1e00:5a7:…   2409:40c2:102a:99e2…   TLSv1.2      375 Application Data
  9091 215.798016  2600:140f:1e00:5a7:…   2409:40c2:102a:99e2…   TLSv1.2      154 Application Data
  9092 215.798149  2409:40c2:102a:99e2…   2600:140f:1e00:5a7:…   TCP           74 50555 → 443 [ACK] Seq=1766 Ack=534 Win=65536 Len=0
  9093 216.396997  2409:40c2:102a:99e2…   64:ff9b::acd9:a7a2     TCP           75 [TCP Keep-Alive] 50275 → 443 [ACK] Seq=1275 Ack=6404 Win=66048 Len=1
  9094 216.397043  2409:40c2:102a:99e2…   2404:6800:4009:827:…   TCP           75 [TCP Keep-Alive] 49896 → 443 [ACK] Seq=305 Ack=177 Win=258 Len=1
  9095 216.464981  64:ff9b::acd9:a7a2     2409:40c2:102a:99e2…   TCP           86 [TCP Keep-Alive ACK] 443 → 50275 [ACK] Seq=6404 Ack=1276 Win=67840 Len=0 SLE=1275 SRE=1276
  9096 216.464981  2404:6800:4009:827:…   2409:40c2:102a:99e2…   TCP           86 [TCP Keep-Alive ACK] 443 → 49896 [ACK] Seq=177 Ack=306 Win=271 Len=0 SLE=305 SRE=306
```

```
v Transmission Control Protocol, Src Port: 443, Dst Port: 50547, Seq: 5109, Ack: 1357, Len: 0
    Source Port: 443
    Destination Port: 50547
    [Stream index: 480]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 5109    (relative sequence number)
    Sequence Number (raw): 261691883
    [Next Sequence Number: 5109    (relative sequence number)]
    Acknowledgment Number: 1357    (relative ack number)
    Acknowledgment number (raw): 584293915
    0101 .... = Header Length: 20 bytes (5)
  v Flags: 0x010 (ACK)
       000. .... .... = Reserved: Not set
       ...0 .... .... = Accurate ECN: Not set
       .... 0... .... = Congestion Window Reduced: Not set
       .... .0.. .... = ECN-Echo: Not set
       .... ..0. .... = Urgent: Not set
```

```
0000  34 6f 24 c5 a8 f5 a6 fc  22 a3 57 9d 86 dd 60 00   4o$·····"·W···`·
0010  00 00 00 14 06 2b 00 64  ff 9b 00 00 00 00 00 00   ·····+·d········
0020  00 00 36 54 5c 9a 24 09  40 c2 10 2a 99 e2 08 db   ··6T\·$·@··*····
0030  ab 62 b2 cb c9 fb 01 bb  c5 73 0f 99 19 eb 22 d3   ·b······s····"·
0040  9e 1b 50 10 ff ff 2b 68  00 00                     ··P···+h··
```

wireshark_Wi-FiMNADD2.pcapng

Packets: 9096 · Displayed: 5827 (64.1%) · Dropped: 0 (0.0%)

Profile: Default