TASK 5: Capture and Analyze Network Traffic Using Wireshark

Objective: Capture and Analyze Network Traffic Using Wireshark.
Tools: Wireshark.

Prepared by: P. SUSMITHA,
Date: 27/10/2025.

About Wireshark

- Wireshark is a free, open-source packet analyzer used for network troubleshooting, analysis, and communication protocol development.

- It is a Network Protocol Analyzer (also called as packet sniffer).

- **Key Uses of Wireshark:**

  ★ Network Troubleshooting Helps identify network issues like slow speed, connection drops, or timeouts by viewing real packet traffic.

  ★ Protocol Analysis Allows you to study how protocols like TCP, UDP, HTTP, DNS, and ICMP work and communicate.

  ★ Security Analysis Detects suspicious or malicious network activity (e.g., unauthorized connections or abnormal packets).

  ★ Packet Inspection Shows detailed information about each packet — source/destination IP, port numbers, payload, flags, etc.

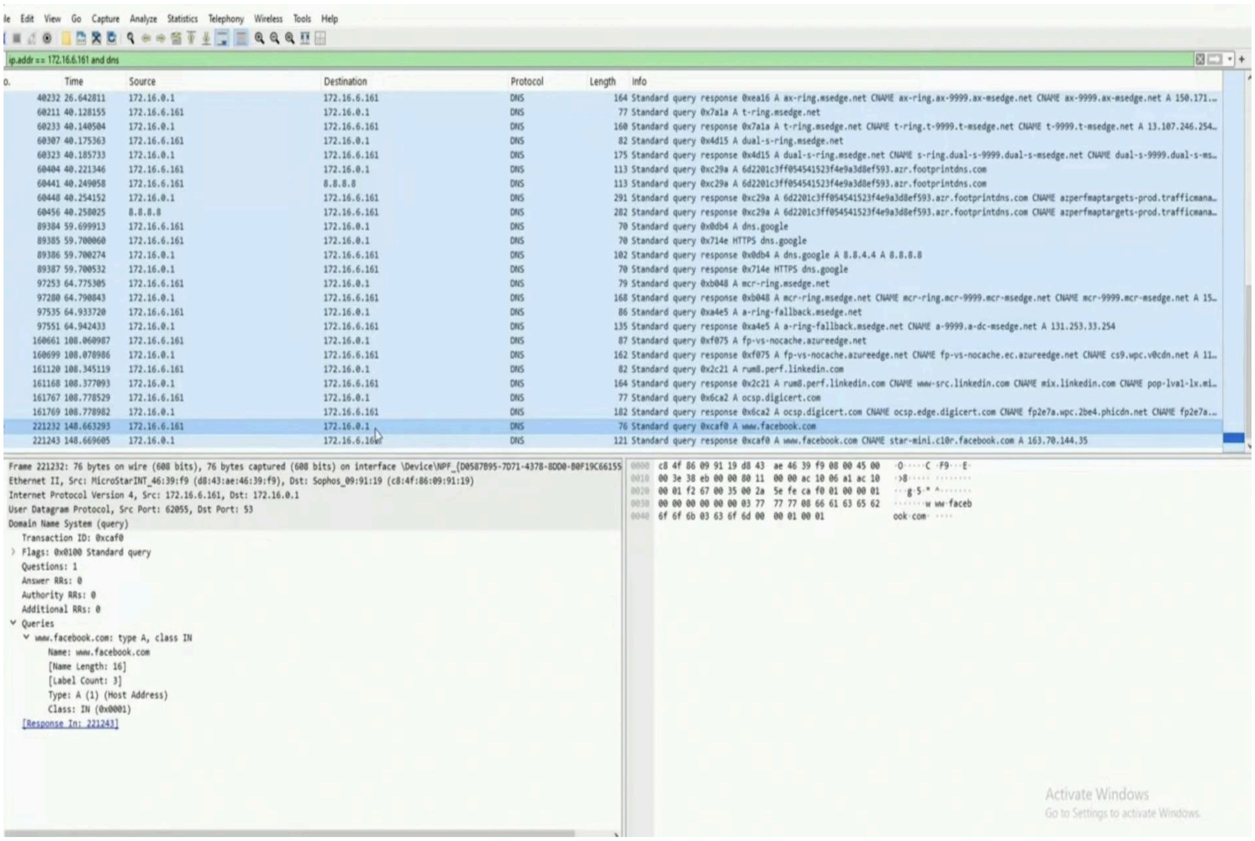
  ★ Learning & Research Used by students and professionals to understand network communication and protocol structures.

  ★ Network Performance Monitoring Checks latency, packet loss, or retransmissions in a network.

  ★ Verification of Configurations Confirms whether firewalls, routing rules, or network setups are functioning correctly.

- In this task, we capture live network traffic on an active network interface and analyze different network protocols such as TCP, UDP, DNS, and HTTP.

Screenshots:

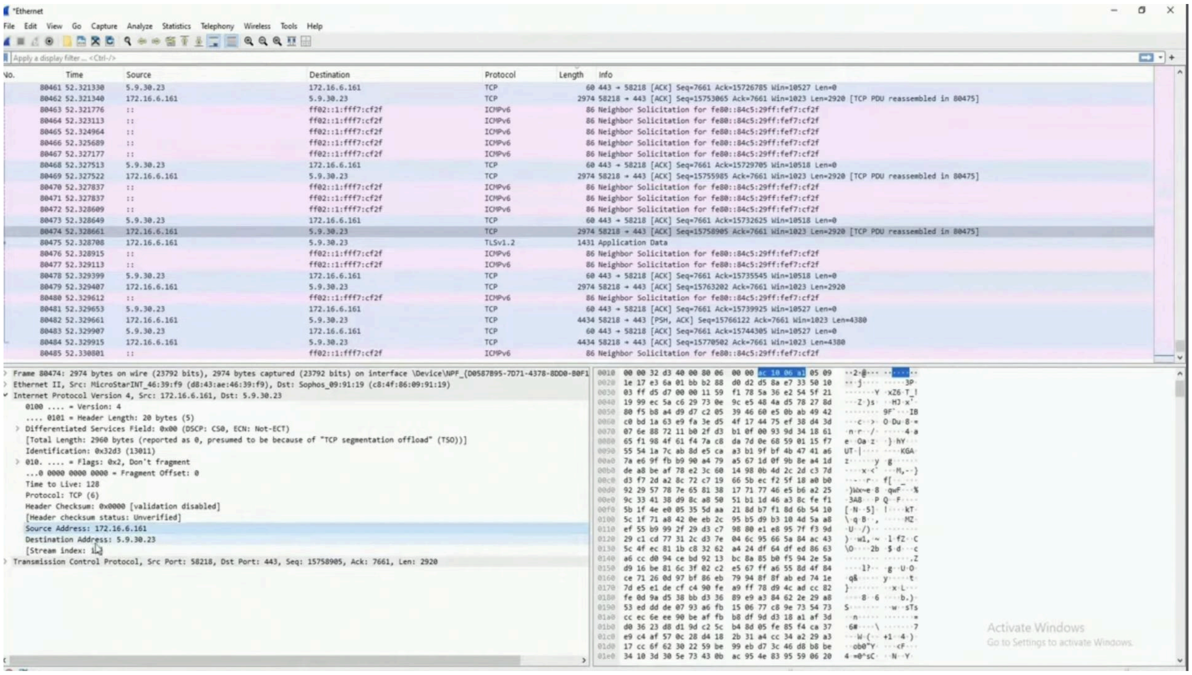

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Activate Windows
Go to Settings to activate Windows.

ip.addr == 172.16.6.161 and dns

```
No.     Time        Source          Destination     Protocol  Length  Info
 40232  26.642811   172.16.0.1      172.16.6.161    DNS       164 Standard query response 0xea16 A ax-ring.msedge.net CNAME ax-ring.ax-9999.ax-msedge.net CNAME ax-9999.ax-msedge.net A 150.171…
 60211  40.128155   172.16.6.161    172.16.0.1      DNS        77 Standard query 0x7a1a A t-ring.msedge.net
 60233  40.140504   172.16.0.1      172.16.6.161    DNS       160 Standard query response 0x7a1a A t-ring.msedge.net CNAME t-ring.t-9999.t-msedge.net CNAME t-9999.t-msedge.net A 13.107.246.254…
 60307  40.175363   172.16.6.161    172.16.0.1      DNS        82 Standard query 0x4d15 A dual-s-ring.msedge.net
 60323  40.185733   172.16.0.1      172.16.6.161    DNS       175 Standard query response 0x4d15 A dual-s-ring.msedge.net CNAME s-ring.dual-s-9999.dual-s-msedge.net CNAME dual-s-9999.dual-s-ms…
 60404  40.221346   172.16.6.161    172.16.0.1      DNS       113 Standard query 0xc29a A 6d2201c3ff054541523f4e9a3d8ef593.azr.footprintdns.com
 60441  40.249058   172.16.6.161    8.8.8.8         DNS       113 Standard query 0xc29a A 6d2201c3ff054541523f4e9a3d8ef593.azr.footprintdns.com
 60448  40.254152   172.16.0.1      172.16.6.161    DNS       291 Standard query response 0xc29a A 6d2201c3ff054541523f4e9a3d8ef593.azr.footprintdns.com CNAME azperfmaptargets-prod.trafficmana…
 60456  40.258025   8.8.8.8         172.16.6.161    DNS       282 Standard query response 0xc29a A 6d2201c3ff054541523f4e9a3d8ef593.azr.footprintdns.com CNAME azperfmaptargets-prod.trafficmana…
 89384  59.699913   172.16.6.161    172.16.0.1      DNS        70 Standard query 0x0db4 A dns.google
 89385  59.700060   172.16.6.161    172.16.0.1      DNS        70 Standard query 0x714e HTTPS dns.google
 89386  59.700274   172.16.0.1      172.16.6.161    DNS       102 Standard query response 0x0db4 A dns.google A 8.8.4.4 A 8.8.8.8
 89387  59.700532   172.16.0.1      172.16.6.161    DNS        70 Standard query response 0x714e HTTPS dns.google
 97253  64.775305   172.16.6.161    172.16.0.1      DNS        79 Standard query 0xb048 A mcr-ring.msedge.net
 97280  64.790843   172.16.0.1      172.16.6.161    DNS       168 Standard query response 0xb048 A mcr-ring.msedge.net CNAME mcr-ring.mcr-9999.mcr-msedge.net CNAME mcr-9999.mcr-msedge.net A 15…
 97535  64.933720   172.16.6.161    172.16.0.1      DNS        86 Standard query 0xa4e5 A a-ring-fallback.msedge.net
 97551  64.942433   172.16.0.1      172.16.6.161    DNS       135 Standard query response 0xa4e5 A a-ring-fallback.msedge.net CNAME a-9999.a-dc-msedge.net A 131.253.33.254
160661 108.060987   172.16.6.161    172.16.0.1      DNS        87 Standard query 0xf075 A fp-vs-nocache.azureedge.net
160699 108.078986   172.16.0.1      172.16.6.161    DNS       162 Standard query response 0xf075 A fp-vs-nocache.azureedge.net CNAME fp-vs-nocache.ec.azureedge.net CNAME cs9.wpc.v0cdn.net A 11…
161120 108.345119   172.16.6.161    172.16.0.1      DNS        82 Standard query 0x2c21 A rum8.perf.linkedin.com
161168 108.377093   172.16.0.1      172.16.6.161    DNS       164 Standard query response 0x2c21 A rum8.perf.linkedin.com CNAME www-src.linkedin.com CNAME mix.linkedin.com CNAME pop-lva1-lx.mi…
161767 108.778529   172.16.6.161    172.16.0.1      DNS        77 Standard query 0x6ca2 A ocsp.digicert.com
161769 108.778982   172.16.0.1      172.16.6.161    DNS       182 Standard query response 0x6ca2 A ocsp.digicert.com CNAME ocsp.edge.digicert.com CNAME fp2e7a.wpc.2be4.phicdn.net CNAME fp2e7a…
221232 148.663293   172.16.6.161    172.16.0.1      DNS        76 Standard query 0xcaf0 A www.facebook.com
221243 148.669605   172.16.0.1      172.16.6.161    DNS       121 Standard query response 0xcaf0 A www.facebook.com CNAME star-mini.c10r.facebook.com A 163.70.144.35
```

```
Frame 221232: 76 bytes on wire (608 bits), 76 bytes captured (608 bits) on interface \Device\NPF_{D0587B95-7D71-4378-8DD0-B0F19C66155
Ethernet II, Src: MicroStarINT_46:39:f9 (d8:43:ae:46:39:f9), Dst: Sophos_09:91:19 (c8:4f:86:09:91:19)
Internet Protocol Version 4, Src: 172.16.6.161, Dst: 172.16.0.1
User Datagram Protocol, Src Port: 62055, Dst Port: 53
Domain Name System (query)
  Transaction ID: 0xcaf0
> Flags: 0x0100 Standard query
  Questions: 1
  Answer RRs: 0
  Authority RRs: 0
  Additional RRs: 0
v Queries
  v www.facebook.com: type A, class IN
      Name: www.facebook.com
      [Name Length: 16]
      [Label Count: 3]
      Type: A (1) (Host Address)
      Class: IN (0x0001)
  [Response In: 221243]
```

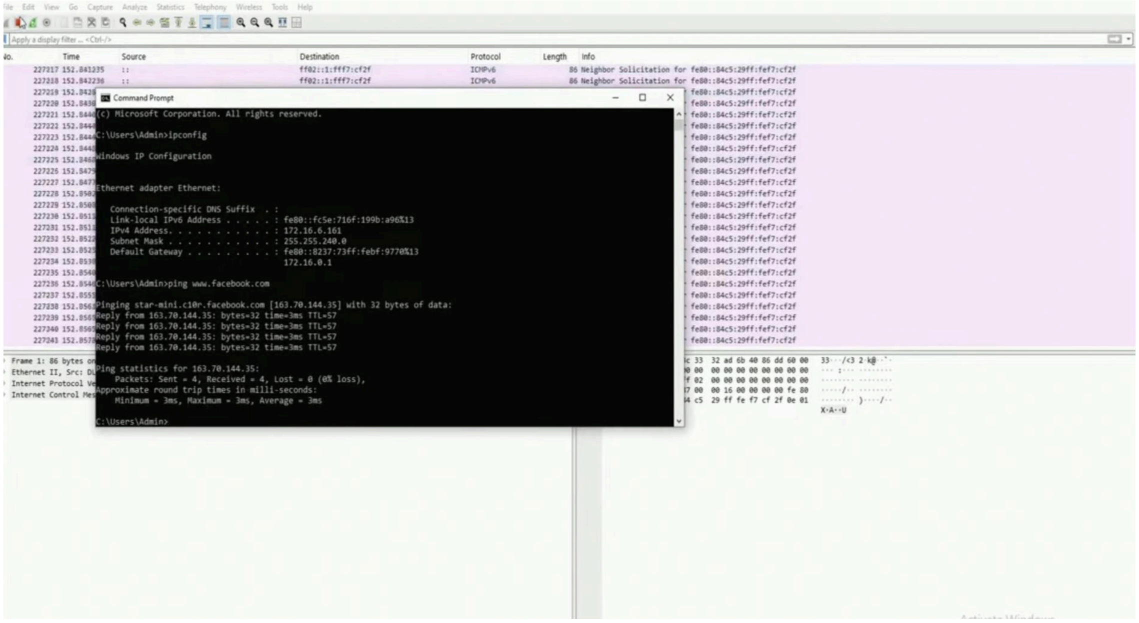
```
0000  c8 4f 86 09 91 19 d8 43  ae 46 39 f9 08 00 45 00   ·O·····C ·F9···E·
0010  00 3e 38 eb 00 00 80 11  00 00 ac 10 06 a1 ac 10   ·>8····· ········
0020  00 01 f2 67 00 35 00 2a  5e fe ca f0 01 00 00 01   ···g·5·* ^·······
0030  00 00 00 00 00 00 03 77  77 77 08 66 61 63 65 62   ·······w ww·faceb
0040  6f 6f 6b 03 63 6f 6d 00  00 01 00 01               ook·com· ····
```


*Ethernet
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Apply a display filter … <Ctrl-/>
Activate Windows
Go to Settings to activate Windows.

```
No.    Time       Source          Destination        Protocol  Length  Info
80461  52.321330  5.9.30.23       172.16.6.161       TCP         60 443 → 58218 [ACK] Seq=7661 Ack=15726785 Win=10527 Len=0
80462  52.321340  172.16.6.161    5.9.30.23          TCP       2974 58218 → 443 [ACK] Seq=15753065 Ack=7661 Win=1023 Len=2920 [TCP PDU reassembled in 80475]
80463  52.321776  ::              ff02::1:fff7:cf2f  ICMPv6      86 Neighbor Solicitation for fe80::84c5:29ff:fef7:cf2f
80464  52.323113  ::              ff02::1:fff7:cf2f  ICMPv6      86 Neighbor Solicitation for fe80::84c5:29ff:fef7:cf2f
80465  52.324964  ::              ff02::1:fff7:cf2f  ICMPv6      86 Neighbor Solicitation for fe80::84c5:29ff:fef7:cf2f
80466  52.325689  ::              ff02::1:fff7:cf2f  ICMPv6      86 Neighbor Solicitation for fe80::84c5:29ff:fef7:cf2f
80467  52.327177  ::              ff02::1:fff7:cf2f  ICMPv6      86 Neighbor Solicitation for fe80::84c5:29ff:fef7:cf2f
80468  52.327513  5.9.30.23       172.16.6.161       TCP         60 443 → 58218 [ACK] Seq=7661 Ack=15729705 Win=10518 Len=0
80469  52.327522  172.16.6.161    5.9.30.23          TCP       2974 58218 → 443 [ACK] Seq=15755985 Ack=7661 Win=1023 Len=2920 [TCP PDU reassembled in 80475]
80470  52.327837  ::              ff02::1:fff7:cf2f  ICMPv6      86 Neighbor Solicitation for fe80::84c5:29ff:fef7:cf2f
80471  52.327837  ::              ff02::1:fff7:cf2f  ICMPv6      86 Neighbor Solicitation for fe80::84c5:29ff:fef7:cf2f
80472  52.328609  ::              ff02::1:fff7:cf2f  ICMPv6      86 Neighbor Solicitation for fe80::84c5:29ff:fef7:cf2f
80473  52.328649  5.9.30.23       172.16.6.161       TCP         60 443 → 58218 [ACK] Seq=7661 Ack=15732625 Win=10518 Len=0
80474  52.328661  172.16.6.161    5.9.30.23          TCP       2974 58218 → 443 [ACK] Seq=15758905 Ack=7661 Win=1023 Len=2920 [TCP PDU reassembled in 80475]
80475  52.328708  172.16.6.161    5.9.30.23          TLSv1.2   1431 Application Data
80476  52.328915  ::              ff02::1:fff7:cf2f  ICMPv6      86 Neighbor Solicitation for fe80::84c5:29ff:fef7:cf2f
80477  52.329113  ::              ff02::1:fff7:cf2f  ICMPv6      86 Neighbor Solicitation for fe80::84c5:29ff:fef7:cf2f
80478  52.329399  5.9.30.23       172.16.6.161       TCP         60 443 → 58218 [ACK] Seq=7661 Ack=15735545 Win=10518 Len=0
80479  52.329407  172.16.6.161    5.9.30.23          TCP       2974 58218 → 443 [ACK] Seq=15763202 Ack=7661 Win=1023 Len=2920
80480  52.329612  ::              ff02::1:fff7:cf2f  ICMPv6      86 Neighbor Solicitation for fe80::84c5:29ff:fef7:cf2f
80481  52.329653  5.9.30.23       172.16.6.161       TCP         60 443 → 58218 [ACK] Seq=7661 Ack=15739925 Win=10527 Len=0
80482  52.329661  172.16.6.161    5.9.30.23          TCP       4434 58218 → 443 [PSH, ACK] Seq=15766122 Ack=7661 Win=1023 Len=4380
80483  52.329907  5.9.30.23       172.16.6.161       TCP         60 443 → 58218 [ACK] Seq=7661 Ack=15744305 Win=10527 Len=0
80484  52.329915  172.16.6.161    5.9.30.23          TCP       4434 58218 → 443 [ACK] Seq=15770502 Ack=7661 Win=1023 Len=4380
80485  52.330801  ::              ff02::1:fff7:cf2f  ICMPv6      86 Neighbor Solicitation for fe80::84c5:29ff:fef7:cf2f
```

```
> Frame 80474: 2974 bytes on wire (23792 bits), 2974 bytes captured (23792 bits) on interface \Device\NPF_{D0587B95-7D71-4378-8DD0-B0F1
> Ethernet II, Src: MicroStarINT_46:39:f9 (d8:43:ae:46:39:f9), Dst: Sophos_09:91:19 (c8:4f:86:09:91:19)
v Internet Protocol Version 4, Src: 172.16.6.161, Dst: 5.9.30.23
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
  > Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
    [Total Length: 2960 bytes (reported as 0, presumed to be because of "TCP segmentation offload" (TSO))]
    Identification: 0x32d3 (13011)
  > 010. .... = Flags: 0x2, Don't fragment
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.16.6.161
    Destination Address: 5.9.30.23
    [Stream index: 1
> Transmission Control Protocol, Src Port: 58218, Dst Port: 443, Seq: 15758905, Ack: 7661, Len: 2920
```

```
0010  00 00 32 d3 40 00 80 06  00 00 ac 10 06 a1 05 09   ··2·@··· ········
0020  1e 17 e3 6a 01 bb b2 88  d0 d2 d5 8a e7 33 50 10   ···j···· ·····3P·
0030  03 ff d5 d7 00 00 11 59  f1 78 5a 36 e2 54 5f 21   ·······Y ·xZ6·T_!
0040  19 99 ec 5a c6 29 73 0e  9c e5 48 4a d5 78 27 8d   ···Z·)s· ··HJ·x'·
0050  80 f5 b8 a4 d9 d7 c2 05  39 46 60 e5 0b ab 49 42   ········ 9F`···IB
0060  c0 bd 1a 63 e9 fa 3e d5  4f 17 44 75 ef 38 d4 3d   ···c··>· O·Du·8·=
0070  07 6e 88 72 11 b0 2f d3  b1 0f 00 93 9d 34 18 61   ·n·r··/· ·····4·a
0080  65 f1 98 4f 61 f4 7a c8  da 7d 0e 68 59 01 15 f7   e··Oa·z· ·}·hY···
0090  55 54 1a 7c ab 8d e5 ca  a3 b1 9f bf 4b 47 41 a6   UT·|···· ····KGA·
00a0  7a e6 9f fb b9 90 a4 79  a5 67 1d 0f 9b 8e a4 1d   z······y ·g······
00b0  de a8 be af 78 e2 3c 60  14 98 0b 4d 2c 2d c3 7d   ····x·<` ···M,-·}
00c0  d3 f7 2d a2 8c 72 c7 19  66 5b ec f2 5f 18 a0 b0   ··-··r·· f[··_···
00d0  92 29 57 78 7e 65 81 38  17 71 77 46 e5 b6 a2 25   ·)Wx~e·8 ·qwF···%
00e0  9c 33 41 38 d9 8c a8 50  51 b1 1d 46 a3 8c fe f1   ·3A8···P Q··F····
00f0  5b 1f 4e e0 05 35 5d aa  21 8d b7 f1 8d 6b 54 10   [·N··5]· !····kT·
0100  5c 1f 71 a8 42 0e eb 2c  95 b5 d9 b3 10 4d 5a a8   \·q·B··, ·····MZ·
0110  ef 55 b9 99 2f 29 d3 c7  98 80 e1 e8 95 7f f3 9d   ·U··/)·· ········
0120  29 c1 cd 77 31 2c d3 7e  04 6c 95 66 5a 84 ac 43   )··w1,·~ ·l·fZ··C
0130  5c 4f ec 81 1b c8 32 62  a4 24 df 64 df ed 86 63   \O····2b ·$·d···c
0140  a6 cc d0 94 ce bd 92 13  bc 8a 85 b0 f5 94 2e 5a   ········ ······.Z
0150  d9 16 be 81 6c 3f 02 c2  e5 67 ff a6 55 8d 4f 84   ····l?·· ·g··U·O·
0160  ce 71 26 0d 97 bf 86 eb  79 94 8f 8f ab ed 74 1e   ·q&····· y·····t·
0170  7d e5 e1 de cf c4 90 fe  a9 ff 78 d9 4c ad cc 82   }······· ··x·L···
0180  fe 0d 9a d5 38 bb d3 36  89 e9 a3 84 62 2e 29 a8   ····8··6 ····b.)·
0190  53 ed dd de 07 93 a6 fb  15 06 77 c8 9e 73 54 73   S······· ··w··sTs
01a0  cc ec 6e ee 90 be af fb  b8 df 9d d3 18 a1 af 3d   ··n····· ·······=
01b0  d0 36 23 d8 d1 9d c2 5c  b4 8d 05 fe 85 f4 ca 37   ·6#····\ ·······7
01c0  e9 c4 af 57 0c 28 d4 18  2b 31 a4 cc 34 a2 29 a3   ···W·(·· +1··4·)·
01d0  17 cc 6f 62 30 22 59 be  99 eb d7 3c 46 d8 b8 be   ··ob0"Y· ···<F···
01e0  34 10 3d 30 5e 73 43 0b  ac 95 4e 83 95 59 06 20   4·=0^sC· ··N··Y·
```



File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Apply a display filter ... <Ctrl-/>
Command Prompt

```
No.     Time        Source   Destination          Protocol  Length Info
227217 152.841235   ::       ff02::1:fff7:cf2f    ICMPv6    86 Neighbor Solicitation for fe80::84c5:29ff:fef7:cf2f
227218 152.842236   ::       ff02::1:fff7:cf2f    ICMPv6    86 Neighbor Solicitation for fe80::84c5:29ff:fef7:cf2f
227219 152.842                                                  fe80::84c5:29ff:fef7:cf2f
227220 152.843                                                  fe80::84c5:29ff:fef7:cf2f
227221 152.844                                                  fe80::84c5:29ff:fef7:cf2f
227222 152.844                                                  fe80::84c5:29ff:fef7:cf2f
227223 152.844                                                  fe80::84c5:29ff:fef7:cf2f
227224 152.844                                                  fe80::84c5:29ff:fef7:cf2f
227225 152.846                                                  fe80::84c5:29ff:fef7:cf2f
227226 152.847                                                  fe80::84c5:29ff:fef7:cf2f
227227 152.847                                                  fe80::84c5:29ff:fef7:cf2f
227228 152.850                                                  fe80::84c5:29ff:fef7:cf2f
227229 152.850                                                  fe80::84c5:29ff:fef7:cf2f
227230 152.851                                                  fe80::84c5:29ff:fef7:cf2f
227231 152.851                                                  fe80::84c5:29ff:fef7:cf2f
227232 152.852                                                  fe80::84c5:29ff:fef7:cf2f
227233 152.852                                                  fe80::84c5:29ff:fef7:cf2f
227234 152.853                                                  fe80::84c5:29ff:fef7:cf2f
227235 152.854                                                  fe80::84c5:29ff:fef7:cf2f
227236 152.854                                                  fe80::84c5:29ff:fef7:cf2f
227237 152.855                                                  fe80::84c5:29ff:fef7:cf2f
227238 152.856                                                  fe80::84c5:29ff:fef7:cf2f
227239 152.856                                                  fe80::84c5:29ff:fef7:cf2f
227240 152.856                                                  fe80::84c5:29ff:fef7:cf2f
227241 152.857                                                  fe80::84c5:29ff:fef7:cf2f

> Frame 1: 86 bytes on
> Ethernet II, Src: DL
> Internet Protocol Ve
> Internet Control Mes

c 33   32 ad 6b 40 86 dd 60 00    33···/<3 2·k@··`·
0 00   00 00 00 00 00 00 00 00    ··· :··· ········
f 02   00 00 00 00 00 00 00 00    ········ ········
7 00   00 16 00 00 00 00 fe 80    ·····/·· ········
4 c5   29 ff fe f7 cf 2f 0e 01    ········ )···/··
                                  X·A··U
```

```
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C:\Users\Admin>ipconfig

Windows IP Configuration


Ethernet adapter Ethernet:

   Connection-specific DNS Suffix  . :
   Link-local IPv6 Address . . . . . : fe80::fc5e:716f:199b:a96%13
   IPv4 Address. . . . . . . . . . . : 172.16.6.161
   Subnet Mask . . . . . . . . . . . : 255.255.240.0
   Default Gateway . . . . . . . . . : fe80::8237:73ff:febf:9770%13
                                       172.16.0.1

C:\Users\Admin>ping www.facebook.com

Pinging star-mini.c10r.facebook.com [163.70.144.35] with 32 bytes of data:
Reply from 163.70.144.35: bytes=32 time=3ms TTL=57
Reply from 163.70.144.35: bytes=32 time=3ms TTL=57
Reply from 163.70.144.35: bytes=32 time=3ms TTL=57
Reply from 163.70.144.35: bytes=32 time=3ms TTL=57

Ping statistics for 163.70.144.35:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 3ms, Maximum = 3ms, Average = 3ms

C:\Users\Admin>
```

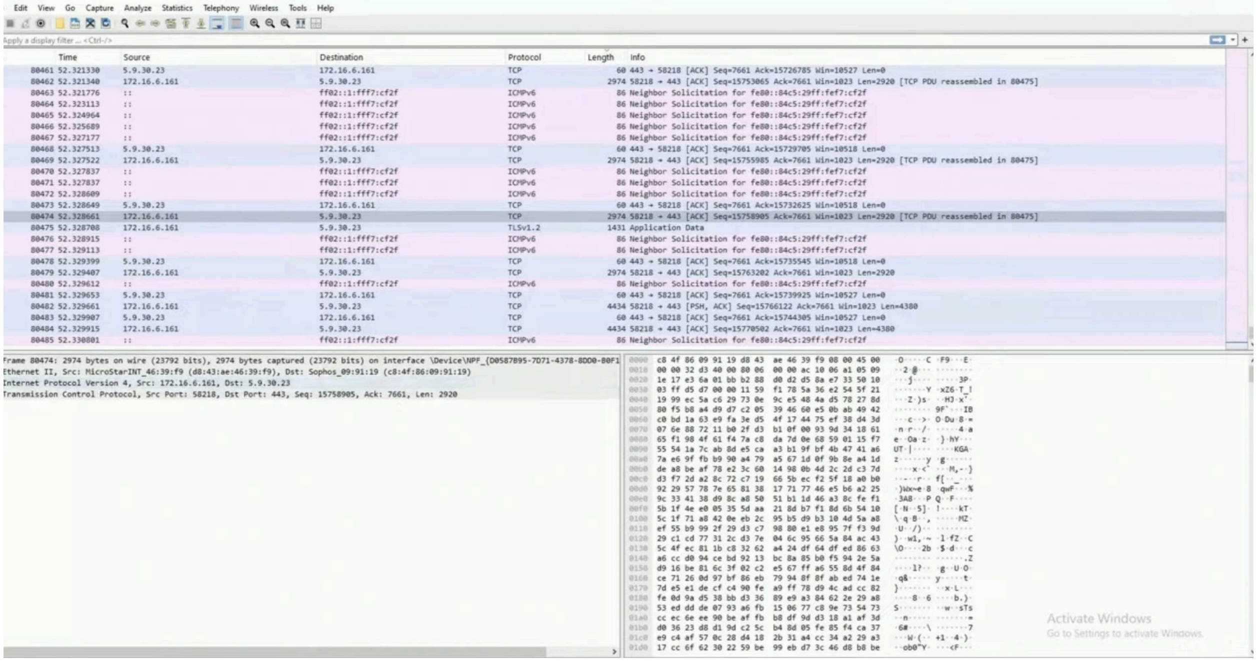

Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Apply a display filter ... <Ctrl-/>
Activate Windows
Go to Settings to activate Windows.

```
      Time         Source         Destination        Protocol  Length Info
80461 52.321330    5.9.30.23      172.16.6.161       TCP          60 443 → 58218 [ACK] Seq=7661 Ack=15726785 Win=10527 Len=0
80462 52.321340    172.16.6.161   5.9.30.23          TCP        2974 58218 → 443 [ACK] Seq=15753065 Ack=7661 Win=1023 Len=2920 [TCP PDU reassembled in 80475]
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80464 52.323113    ::             ff02::1:fff7:cf2f  ICMPv6       86 Neighbor Solicitation for fe80::84c5:29ff:fef7:cf2f
80465 52.324964    ::             ff02::1:fff7:cf2f  ICMPv6       86 Neighbor Solicitation for fe80::84c5:29ff:fef7:cf2f
80466 52.325689    ::             ff02::1:fff7:cf2f  ICMPv6       86 Neighbor Solicitation for fe80::84c5:29ff:fef7:cf2f
80467 52.327177    ::             ff02::1:fff7:cf2f  ICMPv6       86 Neighbor Solicitation for fe80::84c5:29ff:fef7:cf2f
80468 52.327513    5.9.30.23      172.16.6.161       TCP          60 443 → 58218 [ACK] Seq=7661 Ack=15729705 Win=10518 Len=0
80469 52.327522    172.16.6.161   5.9.30.23          TCP        2974 58218 → 443 [ACK] Seq=15755985 Ack=7661 Win=1023 Len=2920 [TCP PDU reassembled in 80475]
80470 52.327837    ::             ff02::1:fff7:cf2f  ICMPv6       86 Neighbor Solicitation for fe80::84c5:29ff:fef7:cf2f
80471 52.327837    ::             ff02::1:fff7:cf2f  ICMPv6       86 Neighbor Solicitation for fe80::84c5:29ff:fef7:cf2f
80472 52.328609    ::             ff02::1:fff7:cf2f  ICMPv6       86 Neighbor Solicitation for fe80::84c5:29ff:fef7:cf2f
80473 52.328649    5.9.30.23      172.16.6.161       TCP          60 443 → 58218 [ACK] Seq=7661 Ack=15732625 Win=10518 Len=0
80474 52.328661    172.16.6.161   5.9.30.23          TCP        2974 58218 → 443 [ACK] Seq=15758905 Ack=7661 Win=1023 Len=2920 [TCP PDU reassembled in 80475]
80475 52.328708    172.16.6.161   5.9.30.23          TLSv1.2    1431 Application Data
80476 52.328915    ::             ff02::1:fff7:cf2f  ICMPv6       86 Neighbor Solicitation for fe80::84c5:29ff:fef7:cf2f
80477 52.329113    ::             ff02::1:fff7:cf2f  ICMPv6       86 Neighbor Solicitation for fe80::84c5:29ff:fef7:cf2f
80478 52.329399    5.9.30.23      172.16.6.161       TCP          60 443 → 58218 [ACK] Seq=7661 Ack=15735545 Win=10518 Len=0
80479 52.329407    172.16.6.161   5.9.30.23          TCP        2974 58218 → 443 [ACK] Seq=15763202 Ack=7661 Win=1023 Len=2920
80480 52.329612    ::             ff02::1:fff7:cf2f  ICMPv6       86 Neighbor Solicitation for fe80::84c5:29ff:fef7:cf2f
80481 52.329653    5.9.30.23      172.16.6.161       TCP          60 443 → 58218 [ACK] Seq=7661 Ack=15739925 Win=10527 Len=0
80482 52.329661    172.16.6.161   5.9.30.23          TCP        4434 58218 → 443 [PSH, ACK] Seq=15766122 Ack=7661 Win=1023 Len=4380
80483 52.329907    5.9.30.23      172.16.6.161       TCP          60 443 → 58218 [ACK] Seq=7661 Ack=15744305 Win=10527 Len=0
80484 52.329915    172.16.6.161   5.9.30.23          TCP        4434 58218 → 443 [ACK] Seq=15770502 Ack=7661 Win=1023 Len=4380
80485 52.330801    ::             ff02::1:fff7:cf2f  ICMPv6       86 Neighbor Solicitation for fe80::84c5:29ff:fef7:cf2f

Frame 80474: 2974 bytes on wire (23792 bits), 2974 bytes captured (23792 bits) on interface \Device\NPF_{D0587895-7D71-4378-8DD0-B0F1
Ethernet II, Src: MicroStarINT_46:39:f9 (d8:43:ae:46:39:f9), Dst: Sophos_09:91:19 (c8:4f:86:09:91:19)
Internet Protocol Version 4, Src: 172.16.6.161, Dst: 5.9.30.23
Transmission Control Protocol, Src Port: 58218, Dst Port: 443, Seq: 15758905, Ack: 7661, Len: 2920

0000  c8 4f 86 09 91 19 d8 43  ae 46 39 f9 08 00 45 00   ·O·····C ·F9···E·
0010  00 00 32 d3 40 00 80 06  00 00 ac 10 06 a1 05 09   ··2·@··· ········
0020  1e 17 e3 6a 01 bb b2 88  d0 d2 d5 8a e7 33 50 10   ···j···· ·····3P·
0030  03 ff d5 d7 00 00 11 59  f1 78 5a 36 e2 54 5f 21   ·······Y ·xZ6·T_!
0040  19 99 ec 5a c6 29 73 0e  9c e5 48 4a d5 78 27 8d   ···Z·)s· ··HJ·x'·
0050  80 f5 b8 a4 d9 d7 c2 05  39 46 60 e5 0b ab 49 42   ········ 9F`···IB
0060  c0 bd 1a 63 e9 fa 3e d5  4f 17 44 75 ef 38 d4 3d   ···c··>· O·Du·8·=
0070  07 6e 88 72 11 b0 2f d3  b1 0f 00 93 9d 34 18 61   ·n·r··/· ·····4·a
0080  65 f1 98 4f 61 f4 7a c8  da 7d 0e 68 59 01 15 f7   e··Oa·z· ·}·hY···
0090  55 54 1a 7c ab 8d e5 ca  a3 b1 9f bf 4b 47 41 a6   UT·|···· ····KGA·
00a0  7a e6 9f fb b9 90 a4 79  a5 67 1d 0f 9b 8e a4 1d   z······y ·g······
00b0  de a8 be af 78 e2 3c 60  14 98 0b 4d 2c 2d c3 7d   ····x·<` ···M,-·}
00c0  d3 f7 2d a2 8c 72 c7 19  66 5b ec f2 5f 18 a0 b0   ··-··r·· f[··_···
00d0  92 29 57 78 7e 65 81 38  17 71 77 46 e5 b6 a2 25   ·)Wx~e·8 ·qwF···%
00e0  9c 33 41 38 d9 8c a8 50  51 b1 1d 46 a3 8c fe f1   ·3A8···P Q··F····
00f0  5b 1f 4e e0 05 35 5d aa  21 8d b7 f1 8d 6b 54 10   [·N··5]· !····kT·
0100  5c 1f 71 a8 42 0e eb 2c  95 b5 d9 b3 10 4d 5a a8   \·q·B··, ·····MZ·
0110  ef 55 b9 99 2f 29 d3 c7  98 80 e1 e8 95 7f f3 9d   ·U··/)·· ········
0120  29 c1 cd 77 31 2c d3 7e  04 6c 95 66 5a 84 ac 43   )··w1,·~ ·l·fZ··C
0130  5c 4f ec 81 1b c8 32 62  a4 24 df 64 df ed 86 63   \O····2b ·$·d···c
0140  a6 cc d0 94 ce bd 92 13  bc 8a 85 b0 f5 94 2e 5a   ········ ······.Z
0150  d9 16 be 81 6c 3f 02 c2  e5 67 ff a6 55 8d 4f 84   ····l?·· ·g··U·O·
0160  ce 71 26 0d 97 bf 86 eb  79 94 8f 8f ab ed 74 1e   ·q&····· y·····t·
0170  7d e5 e1 de cf c4 90 fe  a9 ff 78 d9 4c ad cc 82   }······· ··x·L···
0180  fe 0d 9a d5 38 bb d3 36  89 e9 a3 84 62 2e 29 a8   ····8··6 ····b.)·
0190  53 ed dd de 07 93 a6 fb  15 06 77 c8 9e 73 54 73   S······· ··w··sTs
01a0  cc ec 6e ee 90 be af fb  b8 df 9d d3 18 a1 af 3d   ··n····· ·······=
01b0  d0 36 23 d8 d1 9d c2 5c  b4 8d 05 fe 85 f4 ca 37   ·6#····\ ·······7
01c0  e9 c4 af 57 0c 28 d4 18  2b 31 a4 cc 34 a2 29 a3   ···W·(·· +1··4·)·
01d0  17 cc 6f 62 30 22 59 be  99 eb d7 3c 46 d8 b8 be   ··ob0"Y· ···<F···
```