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DIV/BATCH: C31

INFORMATION SECURITY (IS) EXPERIMENT

PACKET SNIFFING TOOLS

Capturing ICMP Packets:

C:\Users\Marwin Shroff>ping 8.8.8.8 Pinging 8.8.8.8 with 32 bytes of data: Reply from 8.8.8.8:

bytes=32 time=5ms TTL=119

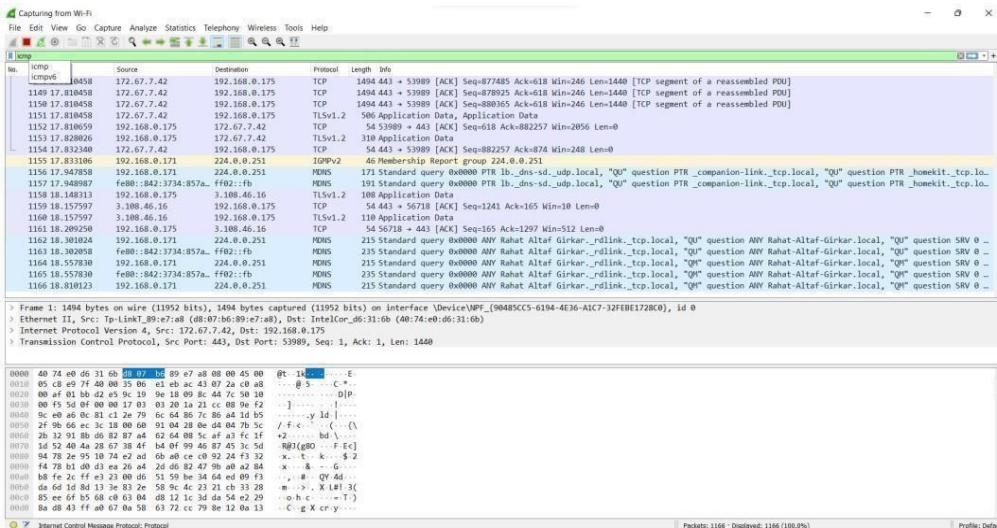
Reply from 8.8.8.8: bytes=32 time=6ms TTL=119 Reply from

8.8.8.8: bytes=32 time=2ms TTL=119

Reply from 8.8.8.8: bytes=32 time=3ms TTL=119 Ping statistics for 8.8.8.8:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milliseconds:

Minimum = 2ms, Maximum = 6ms, Average = 4ms



Capturing TCP Packets:

Wi-Fi

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No.	Time	Source	Destination	Protocol	Length	Info
23818	77.624260	13.107.136.9	192.168.0.175	TCP	1494	443 → 1154 [ACK] Seq=4521840 Ack=893 Win=4193792 Len=1440 [TCP segment of a reassembled PDU]
23819	77.624271	192.168.0.175	13.107.136.9	TCP	54	1154 → 443 [ACK] Seq=893 Ack=4523280 Win=132352 Len=0
23820	77.624480	13.107.136.9	192.168.0.175	TCP	1494	443 → 1154 [ACK] Seq=4523280 Ack=893 Win=4193792 Len=1440 [TCP segment of a reassembled PDU]
23821	77.624480	13.107.136.9	192.168.0.175	TCP	1494	443 → 1154 [ACK] Seq=4524720 Ack=893 Win=4193792 Len=1440 [TCP segment of a reassembled PDU]
23822	77.624480	13.107.136.9	192.168.0.175	TCP	1494	443 → 1154 [ACK] Seq=4526160 Ack=893 Win=4193792 Len=1440 [TCP segment of a reassembled PDU]
23823	77.624488	192.168.0.175	13.107.136.9	TCP	54	1154 → 443 [ACK] Seq=893 Ack=4527600 Win=132352 Len=0
23824	77.624677	13.107.136.9	192.168.0.175	TLSv1.2	1494	Application Data [TCP segment of a reassembled PDU]
23825	77.624677	13.107.136.9	192.168.0.175	TCP	1494	443 → 1154 [ACK] Seq=4529040 Ack=893 Win=4193792 Len=1440 [TCP segment of a reassembled PDU]
23826	77.624685	192.168.0.175	13.107.136.9	TCP	54	1154 → 443 [ACK] Seq=893 Ack=4530480 Win=132352 Len=0
23827	77.625245	13.107.136.9	192.168.0.175	TCP	1494	443 → 1154 [ACK] Seq=4530480 Ack=893 Win=4193792 Len=1440 [TCP segment of a reassembled PDU]
23828	77.625246	13.107.136.9	192.168.0.175	TCP	1494	443 → 1154 [ACK] Seq=4531920 Ack=893 Win=4193792 Len=1440 [TCP segment of a reassembled PDU]
23829	77.625246	13.107.136.9	192.168.0.175	TCP	1494	443 → 1154 [ACK] Seq=4533360 Ack=893 Win=4193792 Len=1440 [TCP segment of a reassembled PDU]
23830	77.625246	13.107.136.9	192.168.0.175	TCP	1494	443 → 1154 [ACK] Seq=4534800 Ack=893 Win=4193792 Len=1440 [TCP segment of a reassembled PDU]
23831	77.625246	13.107.136.9	192.168.0.175	TCP	1494	443 → 1154 [ACK] Seq=4536240 Ack=893 Win=4193792 Len=1440 [TCP segment of a reassembled PDU]
23832	77.625256	192.168.0.175	13.107.136.9	TCP	54	1154 → 443 [ACK] Seq=893 Ack=4537680 Win=132352 Len=0
23833	77.625435	13.107.136.9	192.168.0.175	TCP	1494	443 → 1154 [ACK] Seq=4537680 Ack=893 Win=4193792 Len=1440 [TCP segment of a reassembled PDU]
23834	77.625435	13.107.136.9	192.168.0.175	TCP	1494	443 → 1154 [ACK] Seq=4539120 Ack=893 Win=4193792 Len=1440 [TCP segment of a reassembled PDU]
23835	77.625443	192.168.0.175	13.107.136.9	TCP	54	1154 → 443 [ACK] Seq=893 Ack=4540560 Win=132352 Len=0
23836	77.626279	13.107.136.9	192.168.0.175	TCP	1494	443 → 1154 [ACK] Seq=4540560 Ack=893 Win=4193792 Len=1440 [TCP segment of a reassembled PDU]

Frame 1: 1494 bytes on wire (11952 bits), 1494 bytes captured (11952 bits) on interface \Device\NPF_{00405C55-6104-4E36-A1C7-32FEBE172B0C}, id 0
 Ethernet II, Src: Tp-Link TL-BR1017 v2.0 (08:00:27:00:00:00), Dst: IntelCor_06:31:0b (40:74:eb:06:31:0b)
 Internet Protocol Version 4, Src: 172.67.7.42, Dst: 192.168.0.175
 Transmission Control Protocol, Src Port: 443, Dst Port: 53989, Seq: 1, Ack: 1, Len: 1440

0000 40 74 eb 06 31 0b 08 07 b6 89 e7 a8 00 00 45 00 [E] 1kE:
 0010 05 c8 e9 7f 40 00 35 06 e1 eb ac 43 07 2a c0 a8@S...C*..
 0020 00 af 01 bb d2 e5 9c 19 9e 18 09 8c 44 7c 50 10[P].....
 0030 00 15 5d 0f 00 00 17 93 03 20 1a 21 cc 08 0e f21.....
 0040 9c ae a6 0c 81 c1 2e 79 8c a4 89 7c 86 a4 1d b5y Id [.....
 0050 2f 9b 66 ec 3c 18 00 60 91 04 28 0e d4 04 7b 5c /F.c...[.....
 0060 2b 32 91 8b 06 82 87 a4 62 64 08 5c af a3 fc 1fbdV...
 0070 14 52 40 4a 28 67 38 af b4 ef 99 46 87 45 3c 5d 80(g0...f Eq].....
 0080 94 78 2e 95 10 74 c2 ad 6b a0 ce c0 92 24 f3 32t...K...\$ 2
 0090 f4 7b b1 08 d3 ea 26 a4 2d 66 82 47 9b a8 a2 84&...G...
 00a0 b8 fe 2c ff c3 08 06 51 50 bc 34 64 ed 09 f3@ Qf ad.....
 00b0 da 6d 1d 8d 13 3e 83 2e 58 9c 4c 22 21 cb 33 28X L01 3(.....
 00c0 85 ee 6f b5 68 c0 63 04 d8 12 1c da 54 e2 29h c...T).....
 00d0 84 d8 43 ff a0 67 0a 58 63 72 cc 79 be 12 0a 13g X cn g.....

Transmission Control Protocol

Packets: 23836 · Displayed: 21094 (88.9%)

Profile: Default

Capturing FTP Packets:

C:\Users\Marwin Shroff>ftp ftp.cdc.gov Connected to ftp.cdc.gov. 220 Microsoft FTP Service

200 OPTS UTF8 command successful - UTF8 encoding now ON. User

(ftp.cdc.gov:(none)): anonymous

331 Anonymous access allowed, send identity (e-mail name) as password. Password: 230

User logged in.

ftp> ls

200 PORT command successful.

150 Opening ASCII mode data connection.

.change.dir .message pub Readme

Siteinfo w3c welcome.msg 226 Transfer complete. ftp: 67 bytes received in 0.03Seconds

2.03Kbytes/sec.

No.	Time	Source	Destination	Protocol	Length	Info
66250	159.398250	54.37.30.38	192.168.0.175	TCP	1494	2223 → 1137 [ACK] Seq=27379619 Ack=33821 Win=64128 Len=1440 [TCP segment of a reassembled PDU]
66251	159.398250	54.37.30.38	192.168.0.175	TCP	1494	2223 → 1137 [ACK] Seq=27381059 Ack=33821 Win=64128 Len=1440 [TCP segment of a reassembled PDU]
66256	159.398250	54.37.30.38	192.168.0.175	TCP	1494	2223 → 1137 [PSH, ACK] Seq=27382499 Ack=33821 Win=64128 Len=1440 [TCP segment of a reassembled PDU]
66297	159.398250	54.37.30.38	192.168.0.175	TCP	1494	2223 → 1137 [ACK] Seq=27383939 Ack=33821 Win=64128 Len=1440 [TCP segment of a reassembled PDU]
66298	159.398302	192.168.0.175	54.37.30.38	TCP	54	1137 → 2223 [ACK] Seq=33821 Ack=27385379 Win=2119680 Len=0
66299	159.400254	54.37.30.38	192.168.0.175	TCP	1494	2223 → 1137 [ACK] Seq=27385379 Ack=33821 Win=64128 Len=1440 [TCP segment of a reassembled PDU]
66300	159.400254	54.37.30.38	192.168.0.175	TCP	1494	2223 → 1137 [PSH, ACK] Seq=27386819 Ack=33821 Win=64128 Len=1440 [TCP segment of a reassembled PDU]
66301	159.400254	54.37.30.38	192.168.0.175	TCP	1494	2223 → 1137 [ACK] Seq=27388259 Ack=33821 Win=64128 Len=1440 [TCP segment of a reassembled PDU]
66302	159.400254	54.37.30.38	192.168.0.175	TCP	1353	2223 → 1137 [PSH, ACK] Seq=27389699 Ack=33821 Win=64128 Len=1299 [TCP segment of a reassembled PDU]
66303	159.400283	192.168.0.175	54.37.30.38	TCP	54	1137 → 2223 [ACK] Seq=33821 Ack=27390998 Win=2119680 Len=0
66304	159.400906	193.122.203.139	192.168.0.175	TCP	66	[TCP Dup ACK 64320#1] 443 → 53534 [ACK] Seq=1151 Ack=110621 Win=46720 Len=0 SLE=112061 SRE=112211
66305	159.508400	192.168.0.175	193.122.203.139	TCP	1494	[TCP Retransmission] 53534 → 443 [ACK] Seq=110621 Ack=1151 Win=515 Len=1440
66312	159.712585	193.122.203.139	192.168.0.175	TCP	54	443 → 53534 [ACK] Seq=1151 Ack=112211 Win=46720 Len=0
66313	159.713840	193.122.203.139	192.168.0.175	TLSv1.2	94	Application Data
66314	159.768575	192.168.0.175	193.122.203.139	TCP	54	53534 → 443 [ACK] Seq=112211 Ack=1101 Win=515 Len=0
66320	161.679190	192.168.0.175	193.122.203.139	TLSv1.2	125	Application Data
66321	161.880988	193.122.203.139	192.168.0.175	TLSv1.2	94	Application Data
66322	161.922921	192.168.0.175	193.122.203.139	TCP	54	53534 → 443 [ACK] Seq=112282 Ack=1231 Win=515 Len=0
66323	162.997786	192.168.0.175	170.114.15.46	TLSv1.2	285	Application Data

Frame 1: 1494 bytes on wire (11952 bits), 1494 bytes captured (11952 bits) on interface \Device\NPF_{90485CC5-6194-4E36-A1C7-32FBE1728C0}, id 0

Ethernet II, Src: Tp-LinkT_89:e7:a8 (d8:07:b6:89:e7:a8), Dst: IntelCor_d6:31:6b (40:74:e0:d6:31:6b)

Internet Protocol Version 4, Src: 172.67.7.42, Dst: 192.168.0.175

Transmission Control Protocol, Src Port: 443, Dst Port: 53989, Seq: 1, Ack: 1, Len: 1440

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0000  40 74 e0 d6 31 6b d8 07 b6 89 e7 a8 00 00 45 00  @t..lk.....E
0010  05 c8 e9 7f 40 00 35 06 e1 eb ac 43 07 2a c0 a8  ....@.S....C*
0020  00 af 01 bb d2 e5 9c 19 9e 18 09 8c 44 7c 50 10  ....00af01bbd2e59c199e18098c447c5010
0030  00 f5 5d 0f 00 00 17 03 03 20 1a 21 cc 08 9e f2  ....].....f2
0040  9c e0 a6 0c 81 c1 2e 79 6c 64 86 7c 86 a4 1d b5  ....yId.....
0050  2f 9b 66 ec 3c 18 00 60 91 04 28 0e d4 04 7b 5c  /f<.....(\
0060  2b 32 91 8b 06 82 87 a4 62 64 08 5c af a3 fc 1f  +2.....bdV...
0070  1d 52 00 4a 28 67 38 af b4 0f 99 46 87 45 3c 5d  -R?g80...F.Fx
0080  94 78 2e 95 10 74 e2 ad 6b a0 ce c0 92 24 f3 32  x..t..k...$-2
0090  f4 78 b1 d0 d3 ea 26 a4 2d d6 82 47 9b a0 a2 84  x..&...G...
00a0  b8 fe 2c ff e3 23 00 d6 51 59 be 34 64 e0 09 f3  ,.##QVAd...
00b0  da 6d 1d 8d 13 3e 83 2e 58 9c 4c 23 21 cb 33 28  m->..X.L413(
00c0  85 ee 6f b5 68 c0 63 04 d8 12 1c 3d da 54 e2 29  -o.h.c....T.)
00d0  8a d8 43 ff a0 67 8a 58 63 72 cc 79 8e 12 8a 13  -C.g.Xcr-y....

```

Capturing ARP Packets:

No.	Time	Source	Destination	Protocol	Length	Info
71609	183.508720	54.37.30.38	192.168.0.175	TCP	1494	2223 → 1137 [PSH, ACK] Seq=32540819 Ack=40091 Win=64128 Len=1440 [TCP segment of a reassembled PDU]
71610	183.561608	54.37.30.38	192.168.0.175	TCP	1494	2223 → 1137 [ACK] Seq=32542259 Ack=40091 Win=64128 Len=1440 [TCP segment of a reassembled PDU]
71611	183.561608	54.37.30.38	192.168.0.175	TLSv1.2	1494	Application Data [TCP segment of a reassembled PDU]
71612	183.561608	54.37.30.38	192.168.0.175	TCP	1494	2223 → 1137 [ACK] Seq=32545139 Ack=40091 Win=64128 Len=1440 [TCP segment of a reassembled PDU]
71613	183.561608	54.37.30.38	192.168.0.175	TCP	1494	2223 → 1137 [PSH, ACK] Seq=32546579 Ack=40091 Win=64128 Len=1440 [TCP segment of a reassembled PDU]
71614	183.561618	192.168.0.175	54.37.30.38	TCP	54	1137 → 2223 [ACK] Seq=40091 Ack=32548019 Win=2119680 Len=0
71615	183.562675	54.37.30.38	192.168.0.175	TLSv1.2	1494	Application Data [TCP segment of a reassembled PDU]
71616	183.562675	54.37.30.38	192.168.0.175	TCP	1494	2223 → 1137 [ACK] Seq=32540859 Ack=40091 Win=64128 Len=1440 [TCP segment of a reassembled PDU]
71617	183.562675	54.37.30.38	192.168.0.175	TCP	1494	2223 → 1137 [ACK] Seq=32550899 Ack=40091 Win=64128 Len=1440 [TCP segment of a reassembled PDU]
71618	183.562675	54.37.30.38	192.168.0.175	TLSv1.2	1494	Application Data [TCP segment of a reassembled PDU]
71619	183.562689	192.168.0.175	54.37.30.38	TCP	54	1137 → 2223 [ACK] Seq=40091 Ack=32553779 Win=2119680 Len=0
71620	183.562866	54.37.30.38	192.168.0.175	TCP	1494	2223 → 1137 [ACK] Seq=32553779 Ack=40091 Win=64128 Len=1440 [TCP segment of a reassembled PDU]
71621	183.562866	54.37.30.38	192.168.0.175	TLSv1.2	674	Application Data
71622	183.562881	192.168.0.175	54.37.30.38	TCP	54	1137 → 2223 [ACK] Seq=40091 Ack=32555839 Win=2119680 Len=0
71637	183.942423	192.168.0.175	172.67.72.209	TCP	55	[TCP Keep-Alive] 1134 → 443 [ACK] Seq=1181 Ack=37347 Win=131584 Len=1
71638	183.948275	172.67.72.209	192.168.0.175	TCP	66	[TCP Keep-Alive ACK] 443 → 1134 [ACK] Seq=37347 Ack=1182 Win=71680 Len=0 SLE=1181 SRE=1182
71644	184.088454	192.168.0.175	193.122.203.139	TLSv1.2	1454	Application Data
71646	184.273264	193.122.203.139	192.168.0.175	TLSv1.2	93	Application Data
71647	184.322728	192.168.0.175	193.122.203.139	TCP	54	53534 → 443 [ACK] Seq=120752 Ack=1431 Win=514 Len=0

Frame 1: 1494 bytes on wire (11952 bits), 1494 bytes captured (11952 bits) on interface \Device\NPF_{90485CC5-6194-4E36-A1C7-32FBE1728C0}, id 0

Ethernet II, Src: Tp-LinkT_89:e7:a8 (d8:07:b6:89:e7:a8), Dst: IntelCor_d6:31:6b (40:74:e0:d6:31:6b)

Internet Protocol Version 4, Src: 172.67.7.42, Dst: 192.168.0.175

Transmission Control Protocol, Src Port: 443, Dst Port: 53989, Seq: 1, Ack: 1, Len: 1440

```

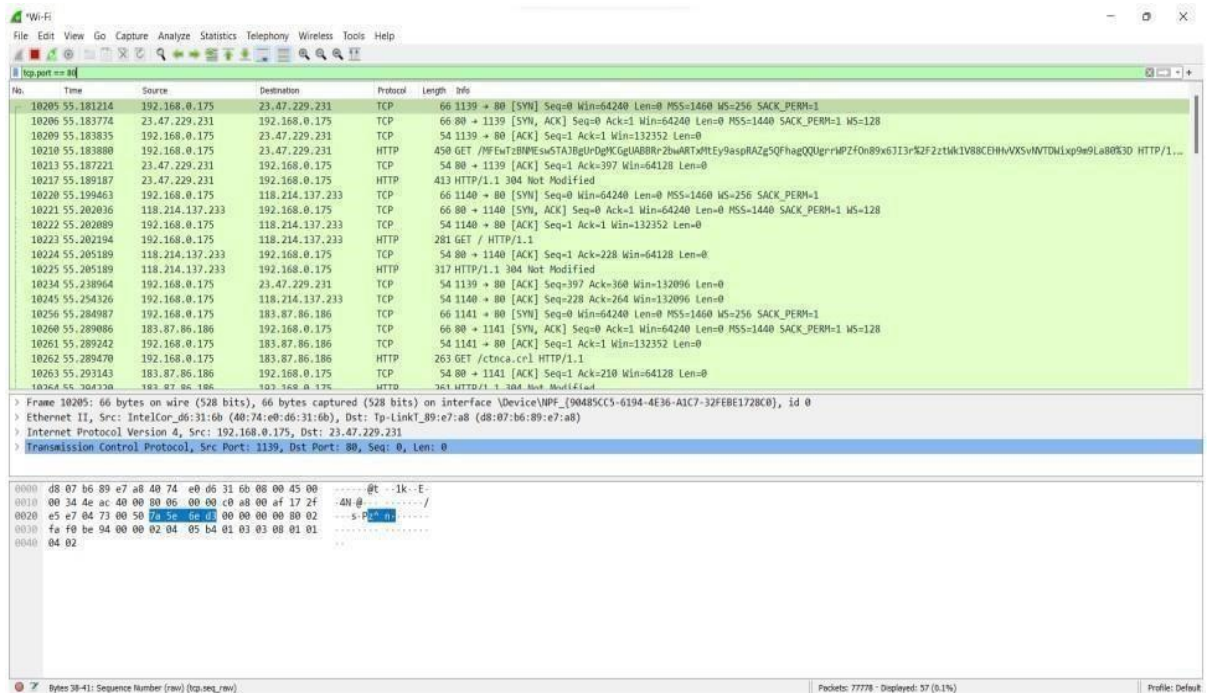
0000  40 74 e0 d6 31 6b d8 07 b6 89 e7 a8 00 00 45 00  @t..lk.....E
0010  05 c8 e9 7f 40 00 35 06 e1 eb ac 43 07 2a c0 a8  ....@.S....C*
0020  00 af 01 bb d2 e5 9c 19 9e 18 09 8c 44 7c 50 10  ....00af01bbd2e59c199e18098c447c5010
0030  00 f5 5d 0f 00 00 17 03 03 20 1a 21 cc 08 9e f2  ....].....f2
0040  9c e0 a6 0c 81 c1 2e 79 6c 64 86 7c 86 a4 1d b5  ....yId.....
0050  2f 9b 66 ec 3c 18 00 60 91 04 28 0e d4 04 7b 5c  /f<.....(\
0060  2b 32 91 8b 06 82 87 a4 62 64 08 5c af a3 fc 1f  +2.....bdV...
0070  1d 52 00 4a 28 67 38 af b4 0f 99 46 87 45 3c 5d  -R?g80...F.Fx
0080  94 78 2e 95 10 74 e2 ad 6b a0 ce c0 92 24 f3 32  x..t..k...$-2
0090  f4 78 b1 d0 d3 ea 26 a4 2d d6 82 47 9b a0 a2 84  x..&...G...
00a0  b8 fe 2c ff e3 23 00 d6 51 59 be 34 64 e0 09 f3  ,.##QVAd...
00b0  da 6d 1d 8d 13 3e 83 2e 58 9c 4c 23 21 cb 33 28  m->..X.L413(
00c0  85 ee 6f b5 68 c0 63 04 d8 12 1c 3d da 54 e2 29  -o.h.c....T.)
00d0  8a d8 43 ff a0 67 8a 58 63 72 cc 79 8e 12 8a 13  -C.g.Xcr-y....

```

Tracing Packets based on filters:

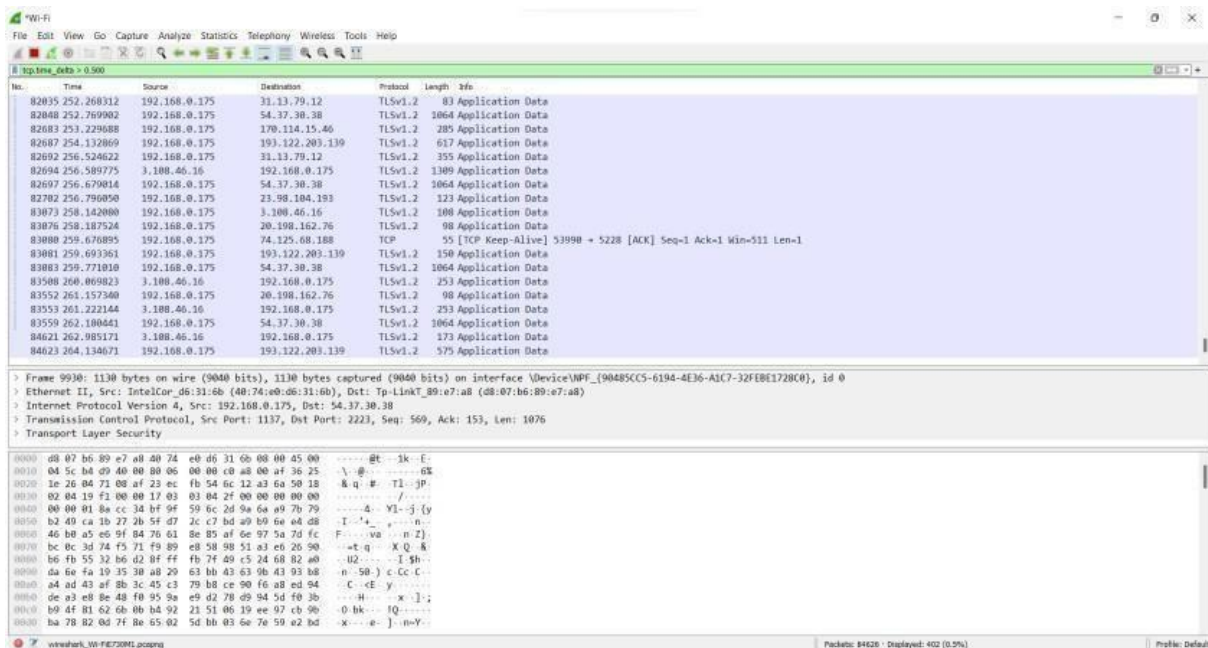
- Filter Results by Port:

Traces all packets related to Port 80.



- Filter by Delta Time:**

Displays tcp packets with delta time of greater than 0.500 sec



- Filter by Byte Sequence:**

Displays packets which contain a particular byte sequence.

Wi-Fi

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tcp contains 00:01:24

No.	Time	Source	Destination	Protocol	Length	Info
7156	52.005070	54.37.30.38	192.168.0.175	TLSv1.2	1494	Ignored Unknown Record
19093	77.219008	13.107.136.9	192.168.0.175	TCP	1494	443 → 1154 [ACK] Seq=291504 Ack=893 Win=4193792 Len=1440 [TCP segment of a reassembled PDU]
22950	77.523361	13.107.136.9	192.168.0.175	TCP	1494	443 → 1154 [ACK] Seq=3551408 Ack=893 Win=4193792 Len=1440 [TCP segment of a reassembled PDU]
23905	77.632501	13.107.136.9	192.168.0.175	TCP	1494	443 → 1154 [ACK] Seq=4619760 Ack=893 Win=4193792 Len=1440 [TCP segment of a reassembled PDU]
23911	77.633545	13.107.136.9	192.168.0.175	TLSv1.2	1494	Application Data [TCP segment of a reassembled PDU]
37292	79.148930	192.168.0.175	13.107.136.9	TLSv1.2	31734	Application Data, Application Data
66383	163.715506	54.37.30.38	192.168.0.175	TLSv1.2	1494	Ignored Unknown Record
66667	166.500943	54.37.30.38	192.168.0.175	TLSv1.2	1494	Ignored Unknown Record

Frame 7156: 1494 bytes on wire (11952 bits), 1494 bytes captured (11952 bits) on interface \Device\NPF_{90485CC5-6194-4E36-A1C7-32FEBE1728C0}, id 0

Ethernet II, Src: Tp-LinkT_89:e7:a8 (d8:07:b6:89:e7:a8), Dst: IntelCor_d6:31:6b (48:74:e0:d6:31:6b)

Internet Protocol Version 4, Src: 54.37.30.38, Dst: 192.168.0.175

Transmission Control Protocol, Src Port: 2223, Dst Port: 1138, Seq: 1839324, Ack: 4601, Len: 1440

Transport Layer Security

```
0000  40 74 e0 d6 21 6b d8 07 b6 89 e7 a8 00 00 45 00  @t...k.....E:
0010  05 c8 49 df 40 00 2d 06 e8 ae 36 25 1e 26 c0 a8  -I@...-6%&-
0020  00 af 08 af 04 72 44 c1 47 ba 94 8a 8d 8b 50 10  -...rD G...P
0030  01 f5 ab f6 00 00 91 40 d6 0f e4 fc ed 09 cd 50  -...@.....P
0040  07 2a 22 d1 55 59 a1 bc 75 3a 88 35 12 5e a5 6a  -**UV; uc:S*J
0050  e9 bb 8c 42 74 06 b5 6c ae ab e2 ab 79 85 f9 bf  -...Bt.1...y...
0060  fd 43 2e 4b 24 5b a4 50 7c 2f ff 28 07 6f 8c 3c  -C.K$[ P ]/( o c
0070  f1 f9 a8 ee 1c bb 84 5e e1 4b 39 c4 f1 01 4a f1  -.....^K9...J
0080  30 28 29 60 e1 93 df 26 87 64 b1 b7 ff 9d cd 9c  -0()...& d.....
0090  f9 1a 60 e1 c5 af 00 7a 54 62 72 7a 33 36 cf 10  -.....2 fbr26...
00a0  ae 06 9a 6c 2d b9 ff 83 05 ca d9 20 51 dc 6e 04  -...l.....Q.n...
00b0  32 84 82 10 98 84 0b 53 13 d9 74 56 76 00 d5 bd  -2.....S...tVw...
00c0  29 62 f0 59 68 5d ed 05 27 dd 1c 0f 7e f1 84 bd  -)b Yh]...-q m
00d0  e2 78 b1 79 2e d3 80 08 e4 95 f3 57 2c 2d 2a b0  -x y.....W,*,
```

wireshark_Wi-FiE730K1.pcapng Packets: 94106 - Displayed: 0 (0.0%) Profile: Default

- **Filter by Source IP Address:**

Displays packets which have source IP address same as the one provided in the argument.

The screenshot shows the Wireshark network protocol analyzer interface. The filter bar at the top contains the filter `ip.src == 13.107.136.9`. The packet list pane displays a series of captured packets, with the following columns: No., Time, Source, Destination, Protocol, Length, and Info. The selected packet (No. 15278) is an ICMP Echo (ping) reply from 13.107.136.9 to 192.168.0.175. The packet details pane shows the structure of the selected packet, and the packet bytes pane shows the raw hex and ASCII data.

No.	Time	Source	Destination	Protocol	Length	Info
15278	65.658380	13.107.136.9	192.168.0.175	ICMP	44	Echo (ping) reply id=0x0001, seq=406/38401, ttl=117 (request in 15269)
15272	65.664634	13.107.136.9	192.168.0.175	TCP	66	443 → 1144 [SYN, ACK] Seq=0 Ack=1 Min=65535 Len=0 MSS=1440 WS=256 SACK_PERM=1
15275	65.668847	13.107.136.9	192.168.0.175	TCP	54	443 → 1144 [ACK] Seq=1 Ack=282 Win=4194304 Len=0
15276	65.672576	13.107.136.9	192.168.0.175	TCP	1494	443 → 1144 [ACK] Seq=1 Ack=282 Win=4194304 Len=1440 [TCP segment of a reassembled PDU]
15277	65.672576	13.107.136.9	192.168.0.175	TCP	1494	443 → 1144 [ACK] Seq=1441 Ack=282 Win=4194304 Len=1440 [TCP segment of a reassembled PDU]
15278	65.672576	13.107.136.9	192.168.0.175	TLSv1.2	1259	Server Hello, Certificate, Certificate Status, Server Key Exchange, Server Hello Done
15281	65.680980	13.107.136.9	192.168.0.175	TCP	54	443 → 1144 [ACK] Seq=4086 Ack=440 Win=4194048 Len=0
15282	65.680980	13.107.136.9	192.168.0.175	TLSv1.2	396	New Session Ticket, Change Cipher Spec, Encrypted Handshake Message
15284	65.686480	13.107.136.9	192.168.0.175	TCP	54	443 → 1144 [ACK] Seq=4428 Ack=651 Win=4194048 Len=0
15285	65.687223	13.107.136.9	192.168.0.175	TLSv1.2	812	Application Data
15287	65.694503	13.107.136.9	192.168.0.175	TCP	54	443 → 1144 [ACK] Seq=5186 Ack=857 Win=4193792 Len=0
15288	65.701458	13.107.136.9	192.168.0.175	TLSv1.2	831	Application Data
15289	65.701458	13.107.136.9	192.168.0.175	TCP	54	443 → 1144 [ACK] Seq=5963 Ack=857 Win=4193792 Len=0
15293	65.704461	13.107.136.9	192.168.0.175	TCP	54	443 → 1144 [ACK] Seq=5964 Ack=889 Win=4193792 Len=0
15295	65.708691	13.107.136.9	192.168.0.175	TCP	66	443 → 1145 [SYN, ACK] Seq=0 Ack=1 Min=65535 Len=0 MSS=1440 WS=256 SACK_PERM=1
15298	65.711768	13.107.136.9	192.168.0.175	TCP	54	443 → 1145 [ACK] Seq=1 Ack=499 Win=4194048 Len=0
15299	65.713989	13.107.136.9	192.168.0.175	TCP	1494	443 → 1145 [ACK] Seq=1 Ack=499 Win=4194048 Len=1440 [TCP segment of a reassembled PDU]
15300	65.713989	13.107.136.9	192.168.0.175	TCP	1494	443 → 1145 [ACK] Seq=1441 Ack=499 Win=4194048 Len=1440 [TCP segment of a reassembled PDU]
15301	65.713989	13.107.136.9	192.168.0.175	TLSv1.2	1259	Server Hello, Certificate, Certificate Status, Server Key Exchange, Server Hello Done
15304	65.719227	13.107.136.9	192.168.0.175	TCP	54	443 → 1145 [ACK] Seq=8086 Ack=657 Win=4194048 Len=0
15305	65.721434	13.107.136.9	192.168.0.175	TLSv1.2	396	New Session Ticket, Change Cipher Spec, Encrypted Handshake Message
15307	65.725549	13.107.136.9	192.168.0.175	TCP	54	443 → 1145 [ACK] Seq=4428 Ack=867 Win=4193792 Len=0
15308	65.727085	13.107.136.9	192.168.0.175	TCP	1494	443 → 1145 [ACK] Seq=4428 Ack=867 Win=4193792 Len=1440 [TCP segment of a reassembled PDU]
15309	65.727085	13.107.136.9	192.168.0.175	TCP	1494	443 → 1145 [ACK] Seq=5868 Ack=867 Win=4193792 Len=1440 [TCP segment of a reassembled PDU]
15310	65.727085	13.107.136.9	192.168.0.175	TCP	1494	443 → 1145 [ACK] Seq=7308 Ack=867 Win=4193792 Len=1440 [TCP segment of a reassembled PDU]
15311	65.727085	13.107.136.9	192.168.0.175	TCP	1494	443 → 1145 [ACK] Seq=8748 Ack=867 Win=4193792 Len=1440 [TCP segment of a reassembled PDU]

Frame 15278: 44 bytes on wire (352 bits), 44 bytes captured (352 bits) on interface \Device\NPF_{00485CC5-6194-4E36-A1C7-32FEBE1728C0}, id 0
 Ethernet II, Src: Tp-LinkT_89:e7:a8 (d8:07:b6:89:e7:a8), Dst: IntelCor_d6:31:0b (40:74:e0:d6:31:0b)
 Internet Protocol Version 4, Src: 13.107.136.9, Dst: 192.168.0.175
 Internet Control Message Protocol

0000 40 74 e0 d6 31 0b 08 07 b6 89 e7 a8 00 00 45 00 @t: 1k...E:
 0010 00 1e 53 54 00 00 75 01 9b 7f 0d 0b 08 09 c0 a8 \$-u...k...
 0020 00 af 00 00 fe 68 00 01 01 96 00 00h....

Wireshark - Wi-Fi
 File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
 ip.src == 13.107.136.9
 Wireshark - Wi-Fi
 Packets: 106174 · Displayed: 21265 (20.0%)
 Profile: Default

