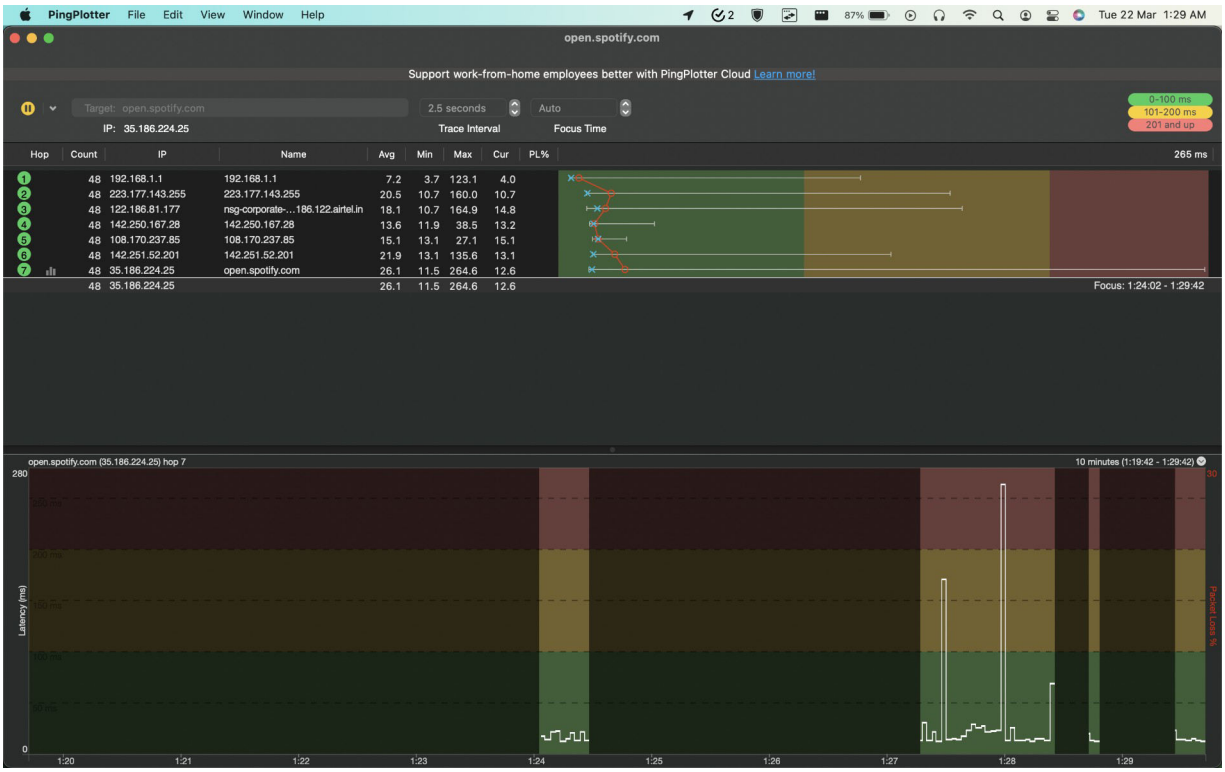
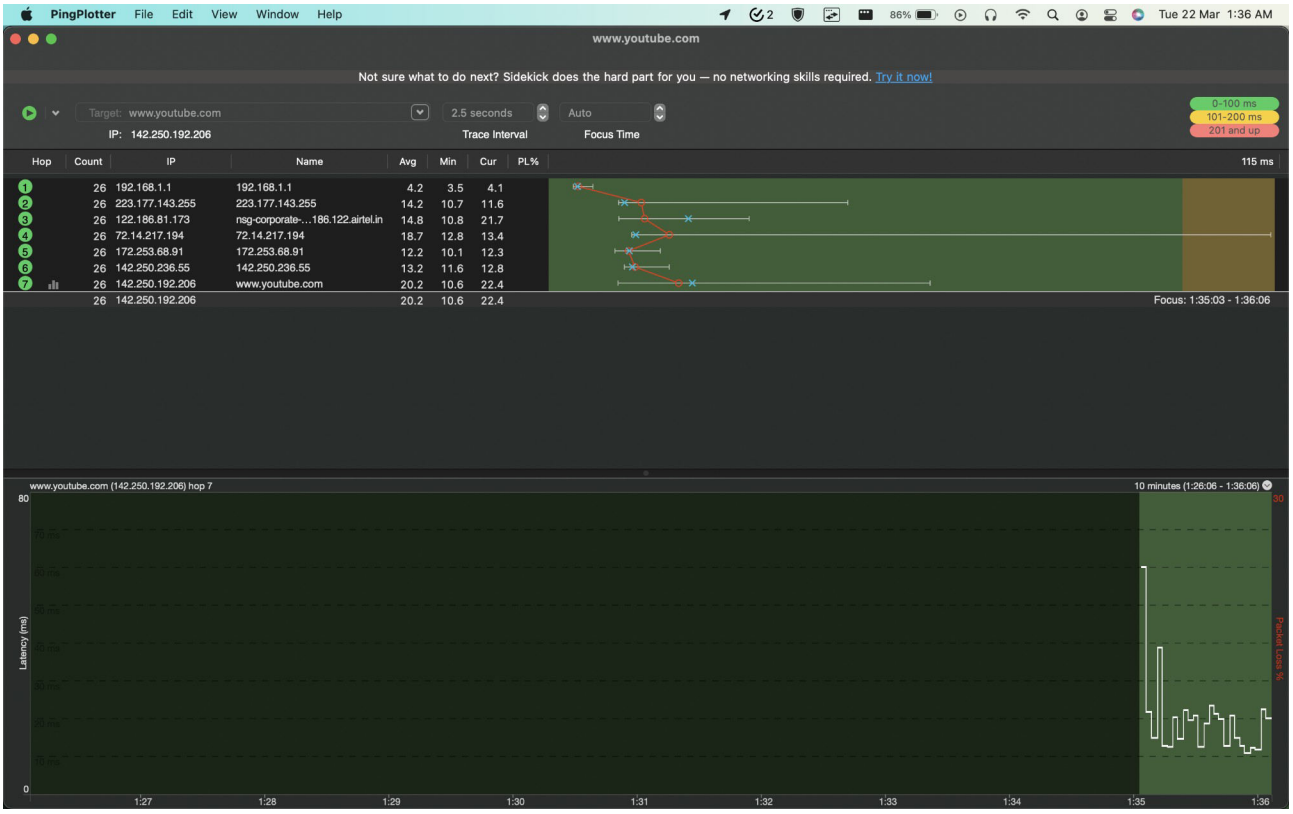
Assignment M-4

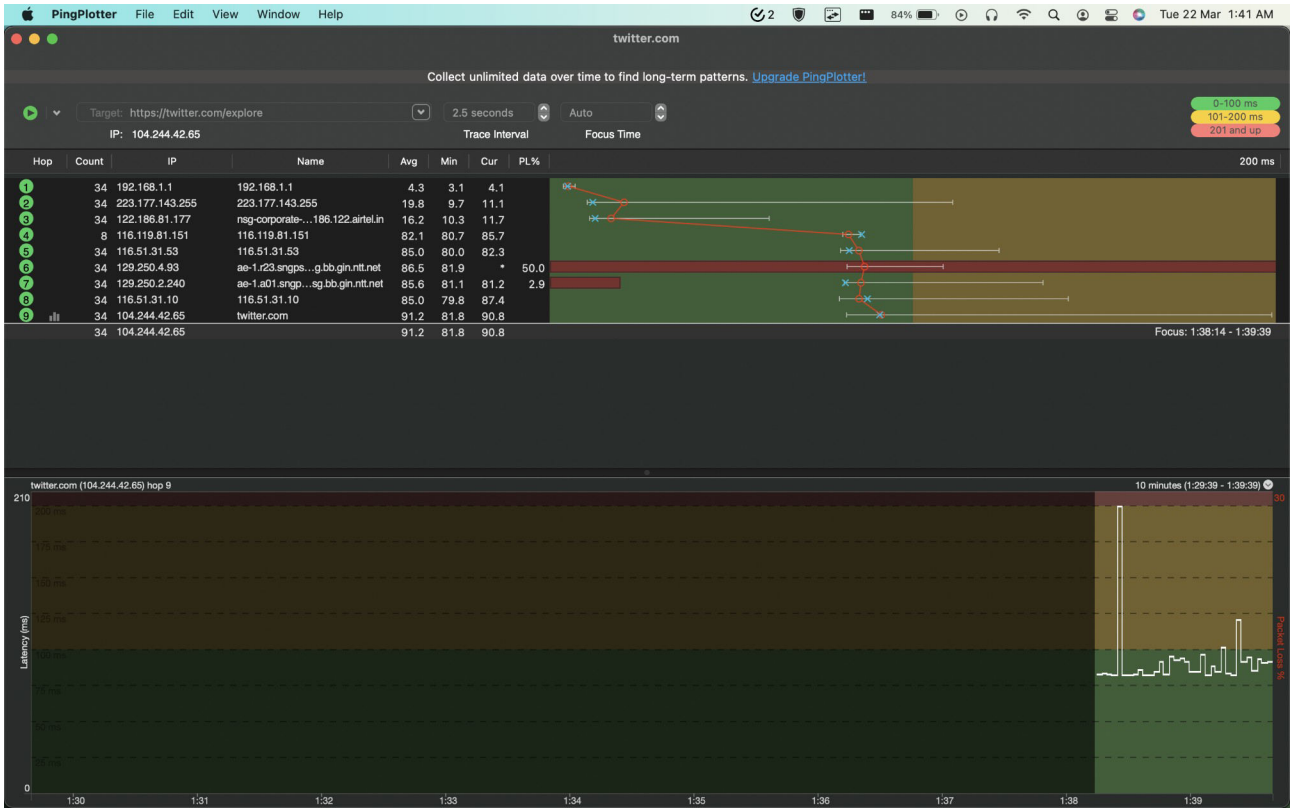
Anushthan Saxena
S20210010027
OCW B2

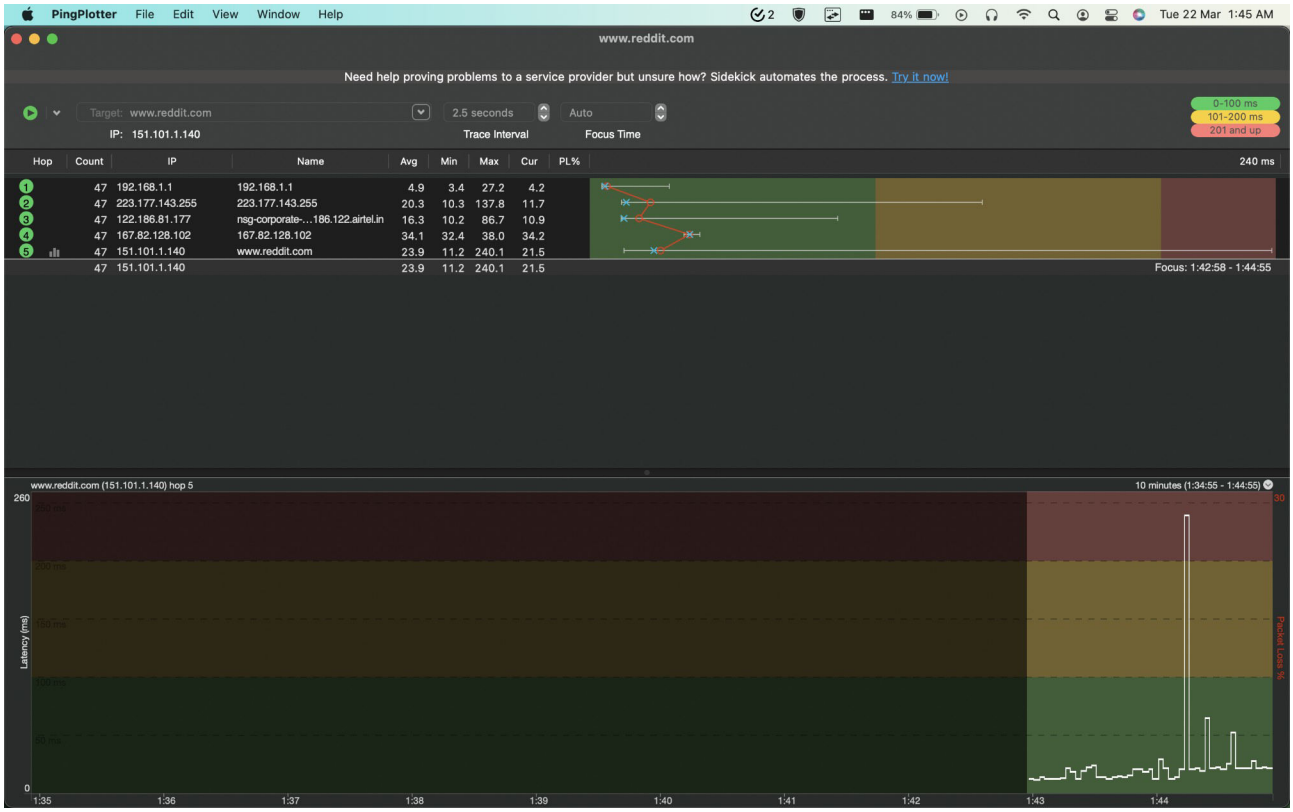
Q1. Use the Ping plotter tool and make ping requests to any 4 known websites. Make a table, ranking them in a ascending order as per their ping response time.

SNo	Website Name	IP address	Number of hops	Average Round Trip time	Packet loss	Max delay	Min delay	Rank
1.	Spotify	35.186.224.25	7	16.5	28%	264.6	11.5	4
2.	Youtube	142.250.192.206	7	20.2	14%	60.3	10.6	1
3.	Twitter	104.244.42.65	9	91.2	46%	199.8	81.8	2
4.	Reddit	151.101.1.140	5	23.9	12%	240.1	11.2	3


PingPlotter File Edit View Window Help
Tue 22 Mar 1:29 AM
open.spotify.com
Support work-from-home employees better with PingPlotter Cloud Learn more!
Target: open.spotify.com
IP: 35.186.224.25
2.5 seconds
Trace Interval
Auto
Focus Time
0-100 ms
101-200 ms
201 and up
Hop Count IP Name Avg Min Max Cur PL% 265 ms
1 48 192.168.1.1 192.168.1.1 7.2 3.7 123.1 4.0
2 48 223.177.143.255 223.177.143.255 20.5 10.7 160.0 10.7
3 48 122.186.81.177 nsg-corporate-...186.122.airtel.in 18.1 10.7 164.9 14.8
4 48 142.250.167.28 142.250.167.28 13.6 11.9 38.5 13.2
5 48 108.170.237.85 108.170.237.85 15.1 13.1 27.1 15.1
6 48 142.251.52.201 142.251.52.201 21.9 13.1 135.6 13.1
7 48 35.186.224.25 open.spotify.com 26.1 11.5 264.6 12.6
48 35.186.224.25 26.1 11.5 264.6 12.6
Focus: 1:24:02 - 1:29:42
open.spotify.com (35.186.224.25) hop 7
10 minutes (1:19:42 - 1:29:42)
Latency (ms)
Packet Loss %
1:20 1:21 1:22 1:23 1:24 1:25 1:26 1:27 1:28 1:29


PingPlotter File Edit View Window Help
Tue 22 Mar 1:36 AM
www.youtube.com
Not sure what to do next? Sidekick does the hard part for you — no networking skills required. Try it now!
Target: www.youtube.com
IP: 142.250.192.206
2.5 seconds
Trace Interval
Auto
Focus Time
0-100 ms
101-200 ms
201 and up
Hop Count IP Name Avg Min Cur PL% 115 ms
1 26 192.168.1.1 192.168.1.1 4.2 3.5 4.1
2 26 223.177.143.255 223.177.143.255 14.2 10.7 11.6
3 26 122.186.81.173 nsg-corporate-...186.122.airtel.in 14.8 10.8 21.7
4 26 72.14.217.194 72.14.217.194 18.7 12.8 13.4
5 26 172.253.68.91 172.253.68.91 12.2 10.1 12.3
6 26 142.250.236.55 142.250.236.55 13.2 11.6 12.8
7 26 142.250.192.206 www.youtube.com 20.2 10.6 22.4
26 142.250.192.206 20.2 10.6 22.4
Focus: 1:35:03 - 1:36:06
www.youtube.com (142.250.192.206) hop 7
10 minutes (1:26:06 - 1:36:06)
Latency (ms)
Packet Loss %
1:27 1:28 1:29 1:30 1:31 1:32 1:33 1:34 1:35 1:36


PingPlotter File Edit View Window Help
Tue 22 Mar 1:41 AM
twitter.com
Collect unlimited data over time to find long-term patterns. Upgrade PingPlotter!
Target: https://twitter.com/explore
IP: 104.244.42.65
2.5 seconds
Trace Interval
Auto
Focus Time
0-100 ms
101-200 ms
201 and up
Hop Count IP Name Avg Min Cur PL% 200 ms
1 34 192.168.1.1 192.168.1.1 4.3 3.1 4.1
2 34 223.177.143.255 223.177.143.255 19.8 9.7 11.1
3 34 122.186.81.177 nsg-corporate-...186.122.airtel.in 16.2 10.3 11.7
4 8 116.119.81.151 116.119.81.151 82.1 80.7 85.7
5 34 116.51.31.53 116.51.31.53 85.0 80.0 82.3
6 34 129.250.4.93 ae-1.r23.sngps...g.bb.gin.ntt.net 86.5 81.9 * 50.0
7 34 129.250.2.240 ae-1.a01.sngp...sg.bb.gin.ntt.net 85.6 81.1 81.2 2.9
8 34 116.51.31.10 116.51.31.10 85.0 79.8 87.4
9 34 104.244.42.65 twitter.com 91.2 81.8 90.8
34 104.244.42.65 91.2 81.8 90.8
Focus: 1:38:14 - 1:39:39
twitter.com (104.244.42.65) hop 9
10 minutes (1:29:39 - 1:39:39)
210
0
Latency (ms)
Packet Loss %
1:30
1:31
1:32
1:33
1:34
1:35
1:36
1:37
1:38
1:39

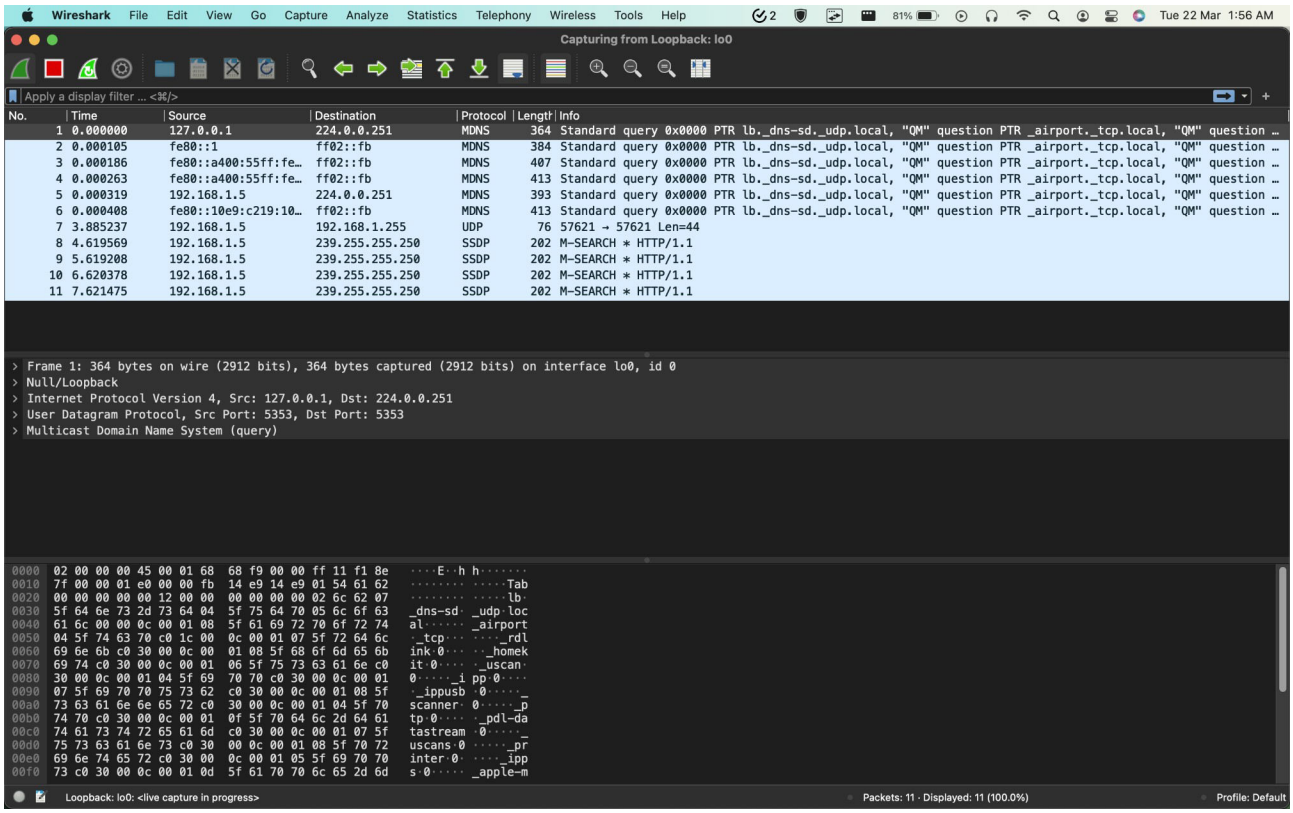


Q2. Use Wireshark packet sniffer and capture your Wi-Fi and Bluetooth interfaces. Open a web browser in your laptop and open three tabs of different websites (Ex: IIITS website, Youtube and online banking). Pair one Bluetooth device to your Laptop.

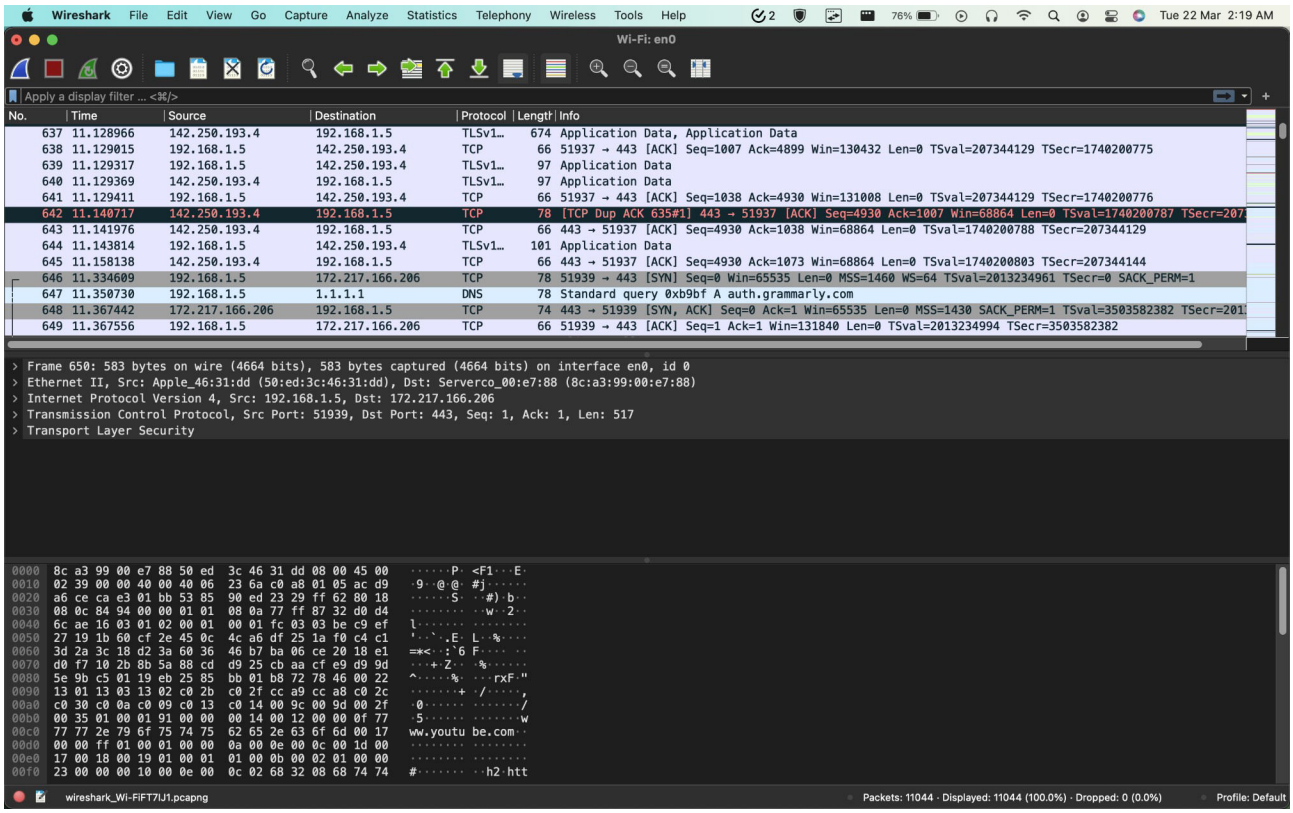
a) Apply filters to capture Bluetooth and make a screenshot of the transactions.

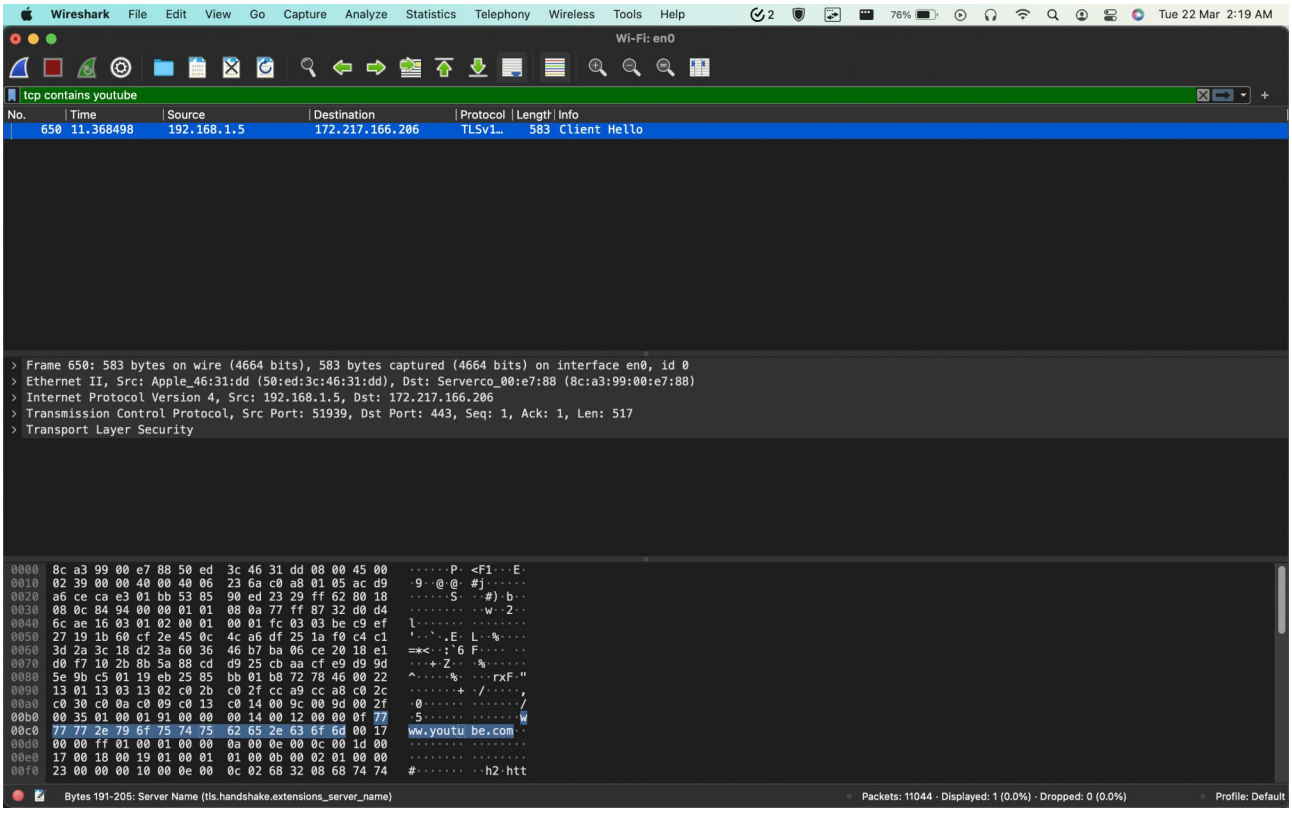
b) Apply filters to capture the three applications running on the browser.

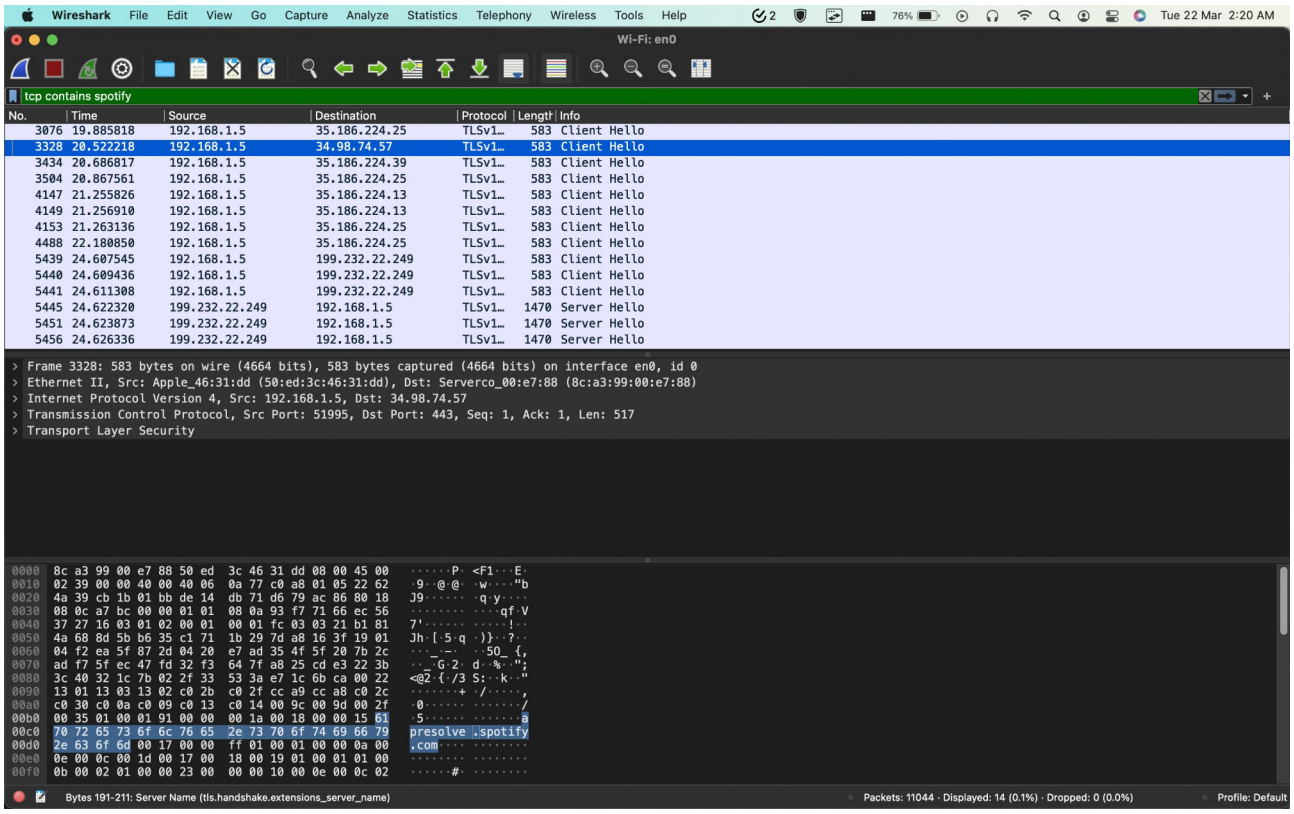
a)

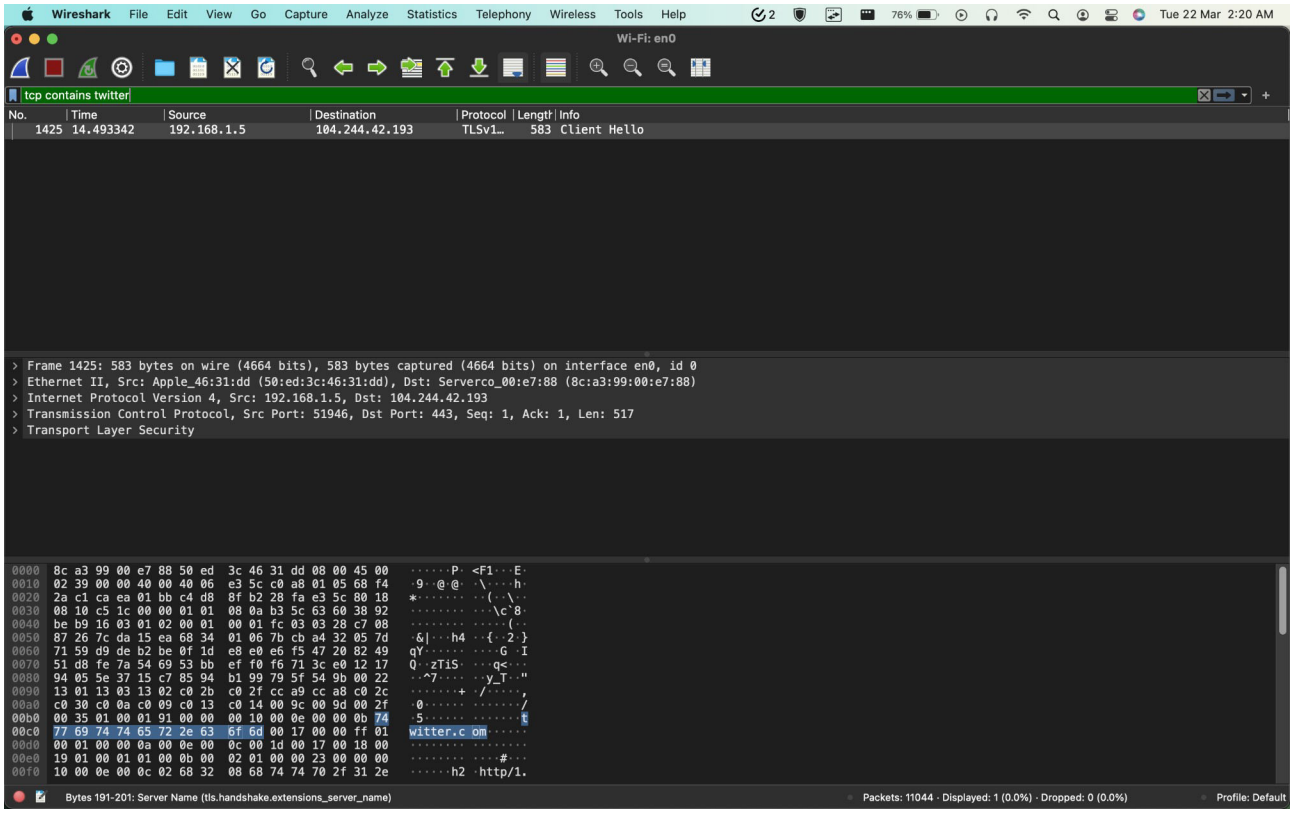

Wireshark File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Tue 22 Mar 1:56 AM
Capturing from Loopback: lo0
Apply a display filter ... <⌘/>
No. Time Source Destination Protocol Length Info
1 0.000000 127.0.0.1 224.0.0.251 MDNS 364 Standard query 0x0000 PTR lb._dns-sd._udp.local, "QM" question PTR _airport._tcp.local, "QM" question …
2 0.000105 fe80::1 ff02::fb MDNS 384 Standard query 0x0000 PTR lb._dns-sd._udp.local, "QM" question PTR _airport._tcp.local, "QM" question …
3 0.000186 fe80::a400:55ff:fe… ff02::fb MDNS 407 Standard query 0x0000 PTR lb._dns-sd._udp.local, "QM" question PTR _airport._tcp.local, "QM" question …
4 0.000263 fe80::a400:55ff:fe… ff02::fb MDNS 413 Standard query 0x0000 PTR lb._dns-sd._udp.local, "QM" question PTR _airport._tcp.local, "QM" question …
5 0.000319 192.168.1.5 224.0.0.251 MDNS 393 Standard query 0x0000 PTR lb._dns-sd._udp.local, "QM" question PTR _airport._tcp.local, "QM" question …
6 0.000408 fe80::10e9:c219:10… ff02::fb MDNS 413 Standard query 0x0000 PTR lb._dns-sd._udp.local, "QM" question PTR _airport._tcp.local, "QM" question …
7 3.885237 192.168.1.5 192.168.1.255 UDP 76 57621 → 57621 Len=44
8 4.619569 192.168.1.5 239.255.255.250 SSDP 202 M-SEARCH * HTTP/1.1
9 5.619208 192.168.1.5 239.255.255.250 SSDP 202 M-SEARCH * HTTP/1.1
10 6.620378 192.168.1.5 239.255.255.250 SSDP 202 M-SEARCH * HTTP/1.1
11 7.621475 192.168.1.5 239.255.255.250 SSDP 202 M-SEARCH * HTTP/1.1
> Frame 1: 364 bytes on wire (2912 bits), 364 bytes captured (2912 bits) on interface lo0, id 0
> Null/Loopback
> Internet Protocol Version 4, Src: 127.0.0.1, Dst: 224.0.0.251
> User Datagram Protocol, Src Port: 5353, Dst Port: 5353
> Multicast Domain Name System (query)
0000 02 00 00 00 45 00 01 68 68 f9 00 00 ff 11 f1 8e ····E··h h·····
0010 7f 00 00 01 e0 00 00 fb 14 e9 14 e9 01 54 61 62 ·····Tab
0020 00 00 00 00 00 12 00 00 00 00 00 00 02 6c 62 07 ·····lb·
0030 5f 64 6e 73 2d 73 64 04 5f 75 64 70 05 6c 6f 63 _dns-sd· _udp·loc
0040 61 6c 00 00 0c 00 01 08 5f 61 69 72 70 6f 72 74 al····· _airport
0050 04 5f 74 63 70 c0 1c 00 0c 00 01 07 5f 72 64 6c ·_tcp··· ····_rdl
0060 69 6e 6b c0 30 00 0c 00 01 08 5f 68 6f 6d 65 6b ink·0··· ·_homek
0070 69 74 c0 30 00 0c 00 01 06 5f 75 73 63 61 6e c0 it·0···· ·_uscan·
0080 30 00 0c 00 01 04 5f 69 70 70 c0 30 00 0c 00 01 0·····_i pp·0····
0090 07 5f 69 70 70 75 73 62 c0 30 00 0c 00 01 08 5f ·_ippusb ·0·····_
00a0 73 63 61 6e 6e 65 72 c0 30 00 0c 00 01 04 5f 70 scanner· 0·····_p
00b0 74 70 c0 30 00 0c 00 01 0f 5f 70 64 6c 2d 64 61 tp·0···· ·_pdl-da
00c0 74 61 73 74 72 65 61 6d c0 30 00 0c 00 01 07 5f tastream ·0·····_
00d0 75 73 63 61 6e 73 c0 30 00 0c 00 01 08 5f 70 72 uscans·0 ·····_pr
00e0 69 6e 74 65 72 c0 30 00 0c 00 01 05 5f 69 70 70 inter·0· ····_ipp
00f0 73 c0 30 00 0c 00 01 0d 5f 61 70 70 6c 65 2d 6d s·0····· _apple-m
Loopback: lo0: <live capture in progress>
Packets: 11 · Displayed: 11 (100.0%)
Profile: Default

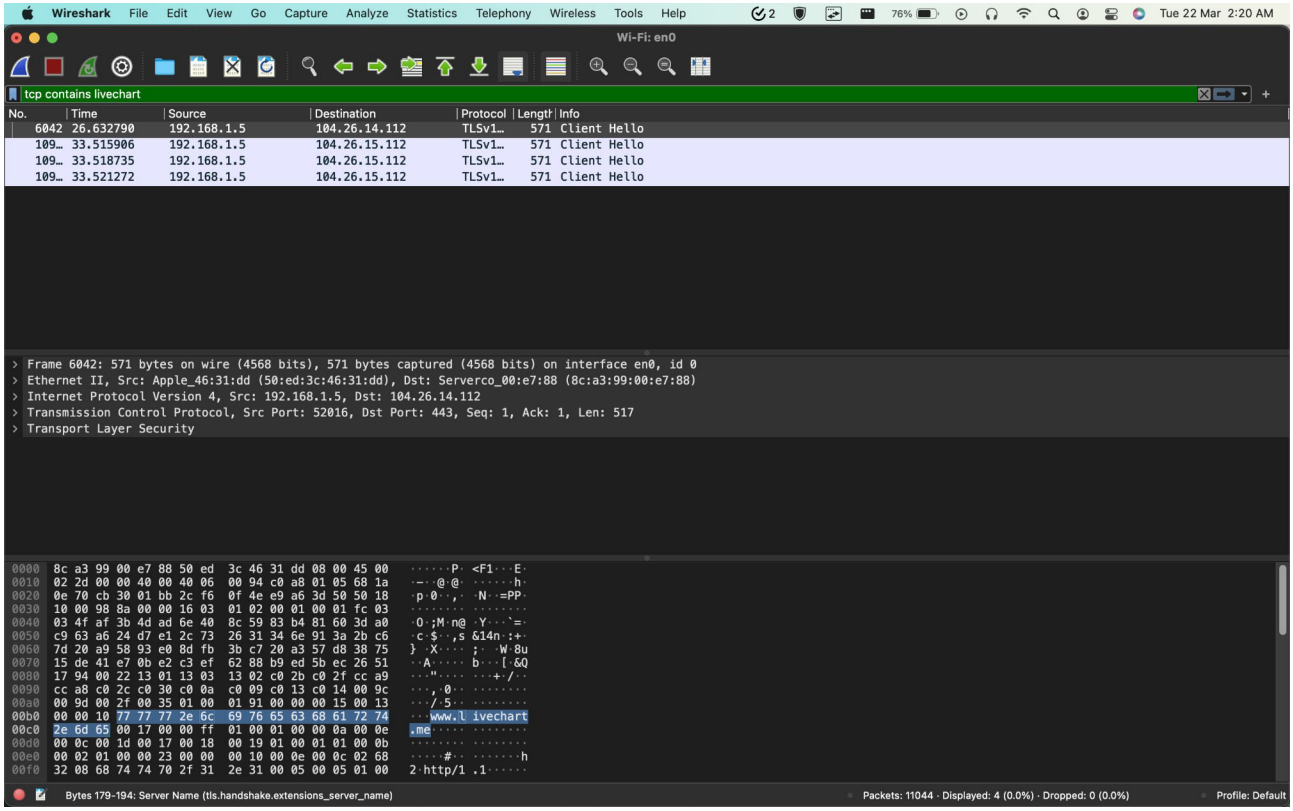
b)


Wireshark File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Tue 22 Mar 2:19 AM
Wi-Fi: en0
Apply a display filter ... <⌘/>
No. Time Source Destination Protocol Length Info
637 11.128966 142.250.193.4 192.168.1.5 TLSv1… 674 Application Data, Application Data
638 11.129015 192.168.1.5 142.250.193.4 TCP 66 51937 → 443 [ACK] Seq=1007 Ack=4899 Win=130432 Len=0 TSval=207344129 TSecr=1740200775
639 11.129317 192.168.1.5 142.250.193.4 TLSv1… 97 Application Data
640 11.129369 142.250.193.4 192.168.1.5 TLSv1… 97 Application Data
641 11.129411 192.168.1.5 142.250.193.4 TCP 66 51937 → 443 [ACK] Seq=1038 Ack=4930 Win=131008 Len=0 TSval=207344129 TSecr=1740200776
642 11.140717 142.250.193.4 192.168.1.5 TCP 78 [TCP Dup ACK 635#1] 443 → 51937 [ACK] Seq=4930 Ack=1007 Win=68864 Len=0 TSval=1740200787 TSecr=207
643 11.141976 142.250.193.4 192.168.1.5 TCP 66 443 → 51937 [ACK] Seq=4930 Ack=1038 Win=68864 Len=0 TSval=1740200788 TSecr=207344129
644 11.143814 192.168.1.5 142.250.193.4 TLSv1… 101 Application Data
645 11.158138 142.250.193.4 192.168.1.5 TCP 66 443 → 51937 [ACK] Seq=4930 Ack=1073 Win=68864 Len=0 TSval=1740200803 TSecr=207344144
646 11.334609 192.168.1.5 172.217.166.206 TCP 78 51939 → 443 [SYN] Seq=0 Win=65535 Len=0 MSS=1460 WS=64 TSval=2013234961 TSecr=0 SACK_PERM=1
647 11.350730 192.168.1.5 1.1.1.1 DNS 78 Standard query 0xb9bf A auth.grammarly.com
648 11.367442 172.217.166.206 192.168.1.5 TCP 74 443 → 51939 [SYN, ACK] Seq=0 Ack=1 Win=65535 Len=0 MSS=1430 SACK_PERM=1 TSval=3503582382 TSecr=201
649 11.367556 192.168.1.5 172.217.166.206 TCP 66 51939 → 443 [ACK] Seq=1 Ack=1 Win=131840 Len=0 TSval=2013234994 TSecr=3503582382
Frame 650: 583 bytes on wire (4664 bits), 583 bytes captured (4664 bits) on interface en0, id 0
Ethernet II, Src: Apple_46:31:dd (50:ed:3c:46:31:dd), Dst: Serverco_00:e7:88 (8c:a3:99:00:e7:88)
Internet Protocol Version 4, Src: 192.168.1.5, Dst: 172.217.166.206
Transmission Control Protocol, Src Port: 51939, Dst Port: 443, Seq: 1, Ack: 1, Len: 517
Transport Layer Security
0000 8c a3 99 00 e7 88 50 ed 3c 46 31 dd 08 00 45 00
0010 02 39 00 00 40 00 40 06 23 6a c0 a8 01 05 ac d9
0020 a6 ce ca e3 01 bb 53 85 90 ed 23 29 ff 62 80 18
0030 08 0c 84 94 00 00 01 01 08 0a 77 ff 87 32 d0 d4
0040 6c ae 16 03 01 02 00 01 00 01 fc 03 03 be c9 ef
0050 27 19 1b 60 cf 2e 45 0c 4c a6 df 25 1a f0 c4 c1
0060 3d 2a 3c 18 d2 3a 60 36 46 b7 ba 06 ce 20 18 e1
0070 d0 f7 10 2b 8b 5a 88 cd d9 25 cb aa cf e9 d9 9d
0080 5e 9b c5 01 19 eb 25 85 bb 01 b8 72 78 46 00 22
0090 13 01 13 03 13 02 c0 2b c0 2f cc a9 cc a8 c0 2c
00a0 c0 30 c0 0a c0 09 c0 13 c0 14 00 9c 00 9d 00 2f
00b0 00 35 01 00 01 91 00 00 00 14 00 12 00 00 0f 77
00c0 77 77 2e 79 6f 75 74 75 62 65 2e 63 6f 6d 00 17
00d0 00 00 ff 01 00 01 00 00 0a 00 0e 00 0c 00 1d 00
00e0 17 00 18 00 19 01 00 01 01 00 0b 00 02 01 00 00
00f0 23 00 00 00 10 00 0e 00 0c 02 68 32 08 68 74 74
wireshark_WI-FiFT7IJ1.pcapng
Packets: 11044 · Displayed: 11044 (100.0%) · Dropped: 0 (0.0%)
Profile: Default


Wireshark File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Tue 22 Mar 2:19 AM
Wi-Fi: en0
tcp contains youtube
No. Time Source Destination Protocol Length Info
650 11.368498 192.168.1.5 172.217.166.206 TLSv1… 583 Client Hello
Frame 650: 583 bytes on wire (4664 bits), 583 bytes captured (4664 bits) on interface en0, id 0
Ethernet II, Src: Apple_46:31:dd (50:ed:3c:46:31:dd), Dst: Serverco_00:e7:88 (8c:a3:99:00:e7:88)
Internet Protocol Version 4, Src: 192.168.1.5, Dst: 172.217.166.206
Transmission Control Protocol, Src Port: 51939, Dst Port: 443, Seq: 1, Ack: 1, Len: 517
Transport Layer Security
0000 8c a3 99 00 e7 88 50 ed 3c 46 31 dd 08 00 45 00
0010 02 39 00 00 40 00 40 06 23 6a c0 a8 01 05 ac d9
0020 a6 ce ca e3 01 bb 53 85 90 ed 23 29 ff 62 80 18
0030 08 0c 84 94 00 00 01 01 08 0a 77 ff 87 32 d0 d4
0040 6c ae 16 03 01 02 00 01 00 01 fc 03 03 be c9 ef
0050 27 19 1b 60 cf 2e 45 0c 4c a6 df 25 1a f0 c4 c1
0060 3d 2a 3c 18 d2 3a 60 36 46 b7 ba 06 ce 20 18 e1
0070 d0 f7 10 2b 8b 5a 88 cd d9 25 cb aa cf e9 d9 9d
0080 5e 9b c5 01 19 eb 25 85 bb 01 b8 72 78 46 00 22
0090 13 01 13 03 13 02 c0 2b c0 2f cc a9 cc a8 c0 2c
00a0 c0 30 c0 0a c0 09 c0 13 c0 14 00 9c 00 9d 00 2f
00b0 00 35 01 00 01 91 00 00 00 14 00 12 00 00 0f 77
00c0 77 77 2e 79 6f 75 74 75 62 65 2e 63 6f 6d 00 17
00d0 00 00 ff 01 00 01 00 00 0a 00 0e 00 0c 00 1d 00
00e0 17 00 18 00 19 01 00 01 01 00 0b 00 02 01 00 00
00f0 23 00 00 00 10 00 0e 00 0c 02 68 32 08 68 74 74
Bytes 191-205: Server Name (tls.handshake.extensions_server_name)
Packets: 11044 · Displayed: 1 (0.0%) · Dropped: 0 (0.0%)
Profile: Default


Wireshark File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Tue 22 Mar 2:20 AM
Wi-Fi: en0
tcp contains spotify
No. Time Source Destination Protocol Lengt Info
3076 19.885818 192.168.1.5 35.186.224.25 TLSv1… 583 Client Hello
3328 20.522218 192.168.1.5 34.98.74.57 TLSv1… 583 Client Hello
3434 20.686817 192.168.1.5 35.186.224.39 TLSv1… 583 Client Hello
3504 20.867561 192.168.1.5 35.186.224.25 TLSv1… 583 Client Hello
4147 21.255826 192.168.1.5 35.186.224.13 TLSv1… 583 Client Hello
4149 21.256910 192.168.1.5 35.186.224.13 TLSv1… 583 Client Hello
4153 21.263136 192.168.1.5 35.186.224.25 TLSv1… 583 Client Hello
4488 22.180850 192.168.1.5 35.186.224.25 TLSv1… 583 Client Hello
5439 24.607545 192.168.1.5 199.232.22.249 TLSv1… 583 Client Hello
5440 24.609436 192.168.1.5 199.232.22.249 TLSv1… 583 Client Hello
5441 24.611308 192.168.1.5 199.232.22.249 TLSv1… 583 Client Hello
5445 24.622320 199.232.22.249 192.168.1.5 TLSv1… 1470 Server Hello
5451 24.623873 199.232.22.249 192.168.1.5 TLSv1… 1470 Server Hello
5456 24.626336 199.232.22.249 192.168.1.5 TLSv1… 1470 Server Hello
Frame 3328: 583 bytes on wire (4664 bits), 583 bytes captured (4664 bits) on interface en0, id 0
Ethernet II, Src: Apple_46:31:dd (50:ed:3c:46:31:dd), Dst: Serverco_00:e7:88 (8c:a3:99:00:e7:88)
Internet Protocol Version 4, Src: 192.168.1.5, Dst: 34.98.74.57
Transmission Control Protocol, Src Port: 51995, Dst Port: 443, Seq: 1, Ack: 1, Len: 517
Transport Layer Security
0000 8c a3 99 00 e7 88 50 ed 3c 46 31 dd 08 00 45 00
0010 02 39 00 00 40 00 40 06 0a 77 c0 a8 01 05 22 62
0020 4a 39 cb 1b 01 bb de 14 db 71 d6 79 ac 86 80 18
0030 08 0c a7 bc 00 00 01 01 08 0a 93 f7 71 66 ec 56
0040 37 27 16 03 01 02 00 01 00 01 fc 03 03 21 b1 81
0050 4a 68 8d 5b b6 35 c1 71 1b 29 7d a8 16 3f 19 01
0060 04 f2 ea 5f 87 2d 04 20 e7 ad 35 4f 5f 20 7b 2c
0070 ad f7 5f ec 47 fd 32 f3 64 7f a8 25 cd e3 22 3b
0080 3c 40 32 1c 7b 02 2f 33 53 3a e7 1c 6b ca 00 22
0090 13 01 13 03 13 02 c0 2b c0 2f cc a9 cc a8 c0 2c
00a0 c0 30 c0 0a c0 09 c0 13 c0 14 00 9c 00 9d 00 2f
00b0 00 35 01 00 01 91 00 00 00 1a 00 18 00 00 15 61
00c0 70 72 65 73 6f 6c 76 65 2e 73 70 6f 74 69 66 79
00d0 2e 63 6f 6d 00 17 00 00 ff 01 00 01 00 00 0a 00
00e0 0e 00 0c 00 1d 00 17 00 18 00 19 01 00 01 01 00
00f0 0b 00 02 01 00 00 23 00 00 00 10 00 0e 00 0c 02
Bytes 191-211: Server Name (tls.handshake.extensions_server_name)
Packets: 11044 · Displayed: 14 (0.1%) · Dropped: 0 (0.0%)
Profile: Default


Wireshark File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Tue 22 Mar 2:20 AM
Wi-Fi: en0
tcp contains twitter
No. Time Source Destination Protocol Lengt Info
1425 14.493342 192.168.1.5 104.244.42.193 TLSv1… 583 Client Hello
Frame 1425: 583 bytes on wire (4664 bits), 583 bytes captured (4664 bits) on interface en0, id 0
Ethernet II, Src: Apple_46:31:dd (50:ed:3c:46:31:dd), Dst: Serverco_00:e7:88 (8c:a3:99:00:e7:88)
Internet Protocol Version 4, Src: 192.168.1.5, Dst: 104.244.42.193
Transmission Control Protocol, Src Port: 51946, Dst Port: 443, Seq: 1, Ack: 1, Len: 517
Transport Layer Security
0000 8c a3 99 00 e7 88 50 ed 3c 46 31 dd 08 00 45 00
0010 02 39 00 00 40 00 40 06 e3 5c c0 a8 01 05 68 f4
0020 2a c1 ca ea 01 bb c4 d8 8f b2 28 fa e3 5c 80 18
0030 08 10 c5 1c 00 00 01 01 08 0a b3 5c 63 60 38 92
0040 be b9 16 03 01 02 00 01 00 01 fc 03 03 28 c7 08
0050 87 26 7c da 15 ea 68 34 01 06 7b cb a4 32 05 7d
0060 71 59 d9 de b2 be 0f 1d e8 e0 e6 f5 47 20 82 49
0070 51 d8 fe 7a 54 69 53 bb ef f0 f6 71 3c e0 12 17
0080 94 05 5e 37 15 c7 85 94 b1 99 79 5f 54 9b 00 22
0090 13 01 13 03 13 02 c0 2b c0 2f cc a9 cc a8 c0 2c
00a0 c0 30 c0 0a c0 09 c0 13 c0 14 00 9c 00 9d 00 2f
00b0 00 35 01 00 01 91 00 00 00 10 00 0e 00 00 0b 74
00c0 77 69 74 74 65 72 2e 63 6f 6d 00 17 00 00 ff 01
00d0 00 01 00 00 0a 00 0e 00 0c 00 1d 00 17 00 18 00
00e0 19 01 00 01 01 00 0b 00 02 01 00 00 23 00 00 00
00f0 10 00 0e 00 0c 02 68 32 08 68 74 74 70 2f 31 2e
Bytes 191-201: Server Name (tls.handshake.extensions_server_name)
Packets: 11044 · Displayed: 1 (0.0%) · Dropped: 0 (0.0%)
Profile: Default


Wireshark File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Tue 22 Mar 2:20 AM
Wi-Fi: en0
tcp contains livechart
No. Time Source Destination Protocol Lengtr Info
6042 26.632790 192.168.1.5 104.26.14.112 TLSv1… 571 Client Hello
109… 33.515906 192.168.1.5 104.26.15.112 TLSv1… 571 Client Hello
109… 33.518735 192.168.1.5 104.26.15.112 TLSv1… 571 Client Hello
109… 33.521272 192.168.1.5 104.26.15.112 TLSv1… 571 Client Hello
> Frame 6042: 571 bytes on wire (4568 bits), 571 bytes captured (4568 bits) on interface en0, id 0
> Ethernet II, Src: Apple_46:31:dd (50:ed:3c:46:31:dd), Dst: Serverco_00:e7:88 (8c:a3:99:00:e7:88)
> Internet Protocol Version 4, Src: 192.168.1.5, Dst: 104.26.14.112
> Transmission Control Protocol, Src Port: 52016, Dst Port: 443, Seq: 1, Ack: 1, Len: 517
> Transport Layer Security
0000 8c a3 99 00 e7 88 50 ed 3c 46 31 dd 08 00 45 00
0010 02 2d 00 00 40 00 40 06 00 94 c0 a8 01 05 68 1a
0020 0e 70 cb 30 01 bb 2c f6 0f 4e e9 a6 3d 50 50 18
0030 10 00 98 8a 00 00 16 03 01 02 00 01 00 01 fc 03
0040 03 4f af 3b 4d ad 6e 40 8c 59 83 b4 81 60 3d a0
0050 c9 63 a6 24 d7 e1 2c 73 26 31 34 6e 91 3a 2b c6
0060 7d 20 a9 58 93 e0 8d fb 3b c7 20 a3 57 d8 38 75
0070 15 de 41 e7 0b e2 c3 ef 62 88 b9 ed 5b ec 26 51
0080 17 94 00 22 13 01 13 03 13 02 c0 2b c0 2f cc a9
0090 cc a8 c0 2c c0 30 c0 0a c0 09 c0 13 c0 14 00 9c
00a0 00 9d 00 2f 00 35 01 00 01 91 00 00 00 15 00 13
00b0 00 00 10 77 77 77 2e 6c 69 76 65 63 68 61 72 74
00c0 2e 6d 65 00 17 00 00 ff 01 00 01 00 00 0a 00 0e
00d0 00 0c 00 1d 00 17 00 18 00 19 01 00 01 01 00 0b
00e0 00 02 01 00 00 23 00 00 00 10 00 0e 00 0c 02 68
00f0 32 08 68 74 74 70 2f 31 2e 31 00 05 00 05 01 00
Bytes 179-194: Server Name (tls.handshake.extensions_server_name)
Packets: 11044 · Displayed: 4 (0.0%) · Dropped: 0 (0.0%)
Profile: Default