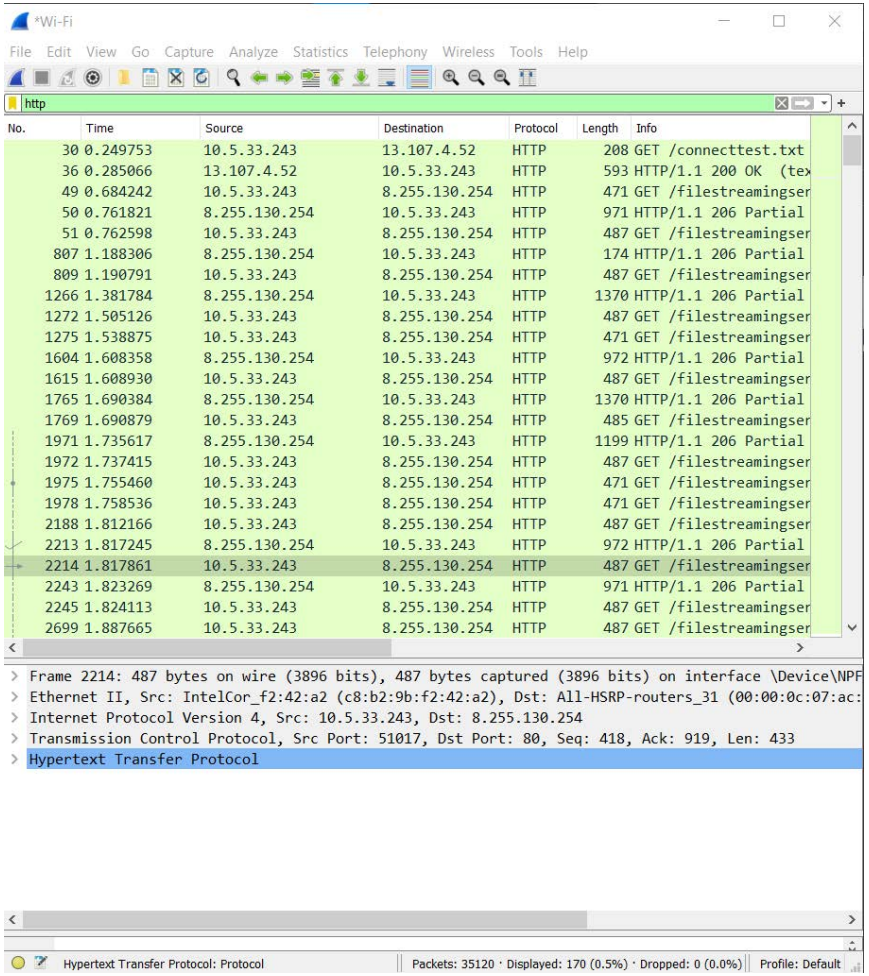
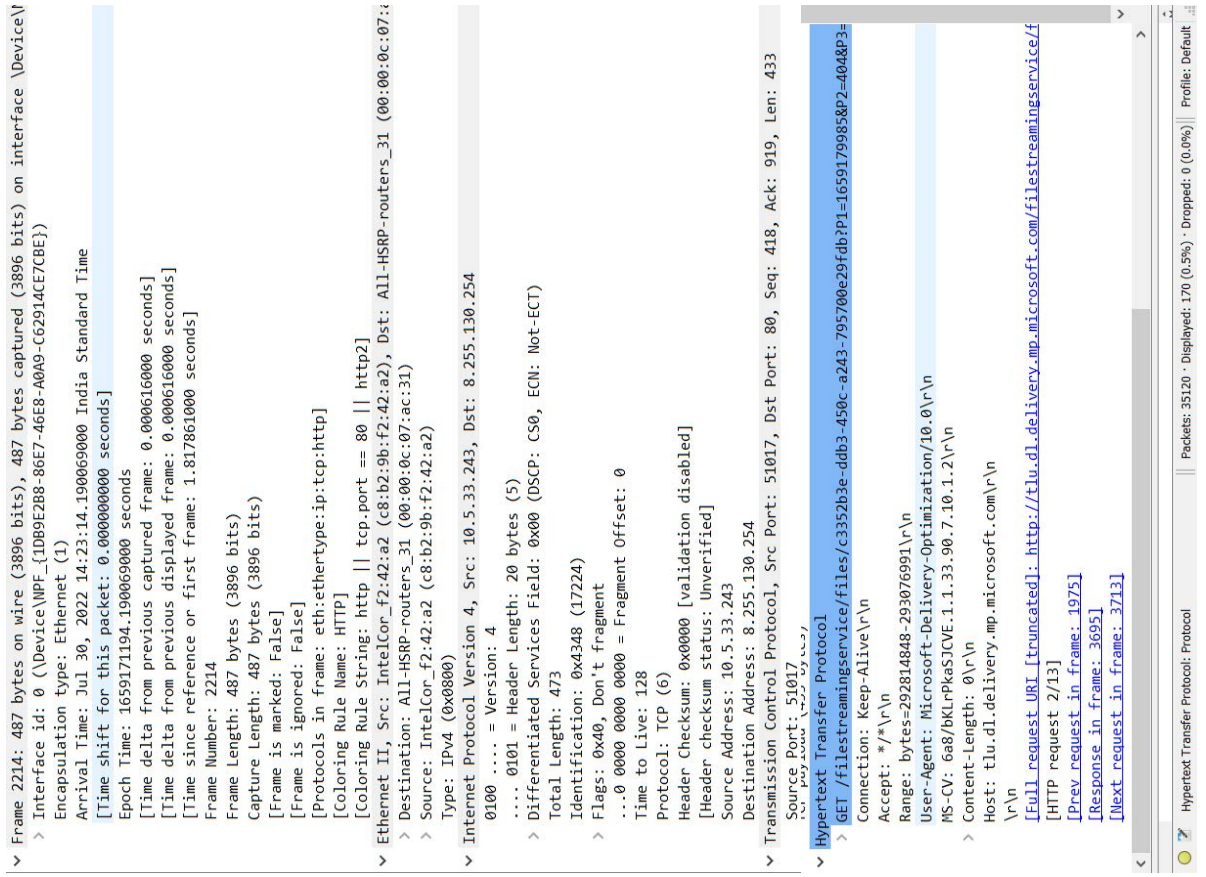
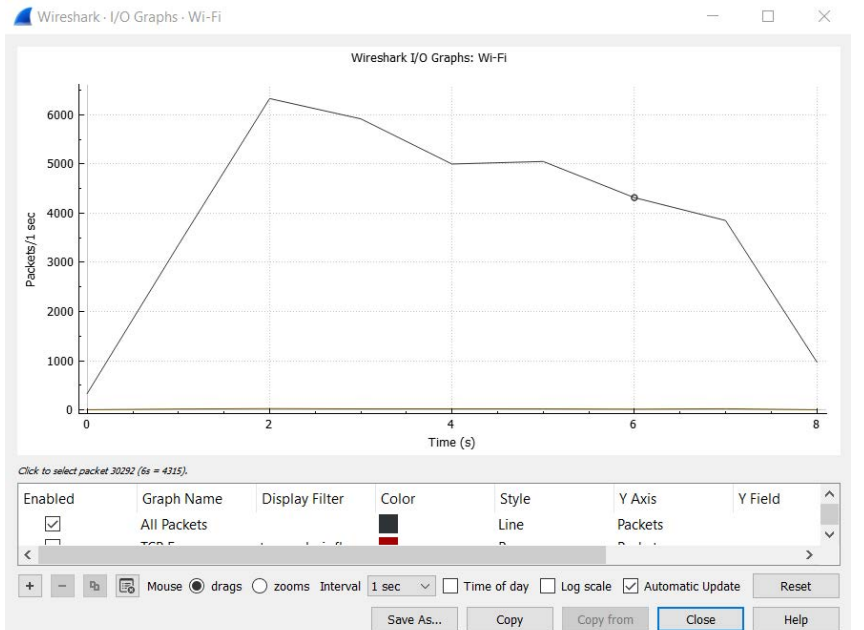
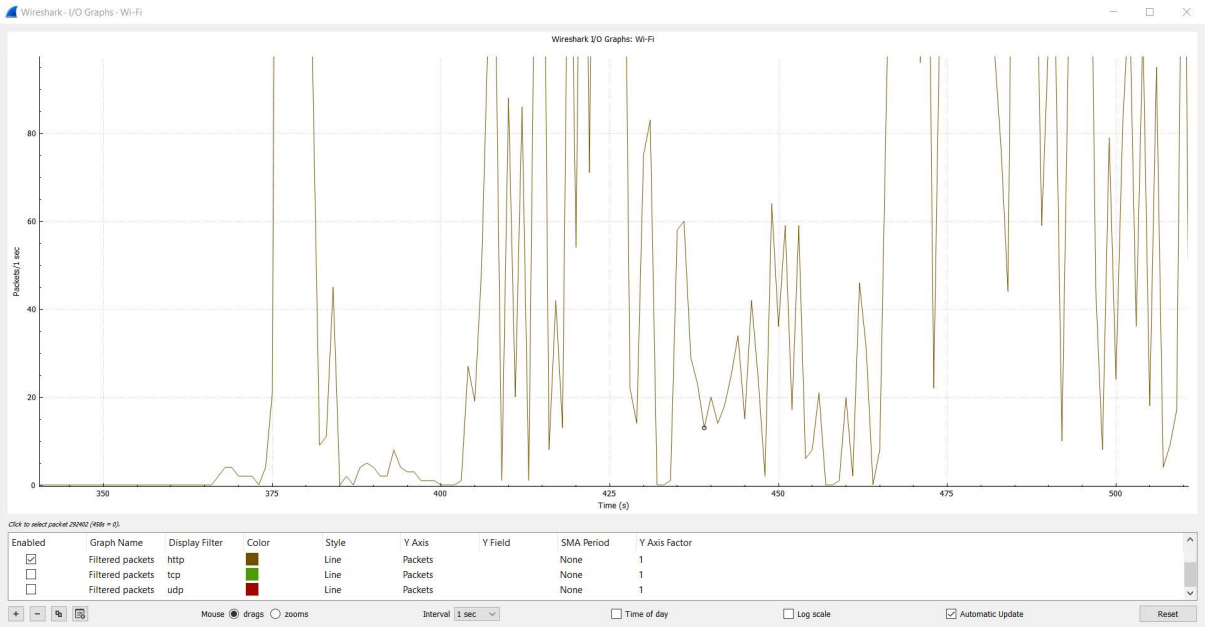
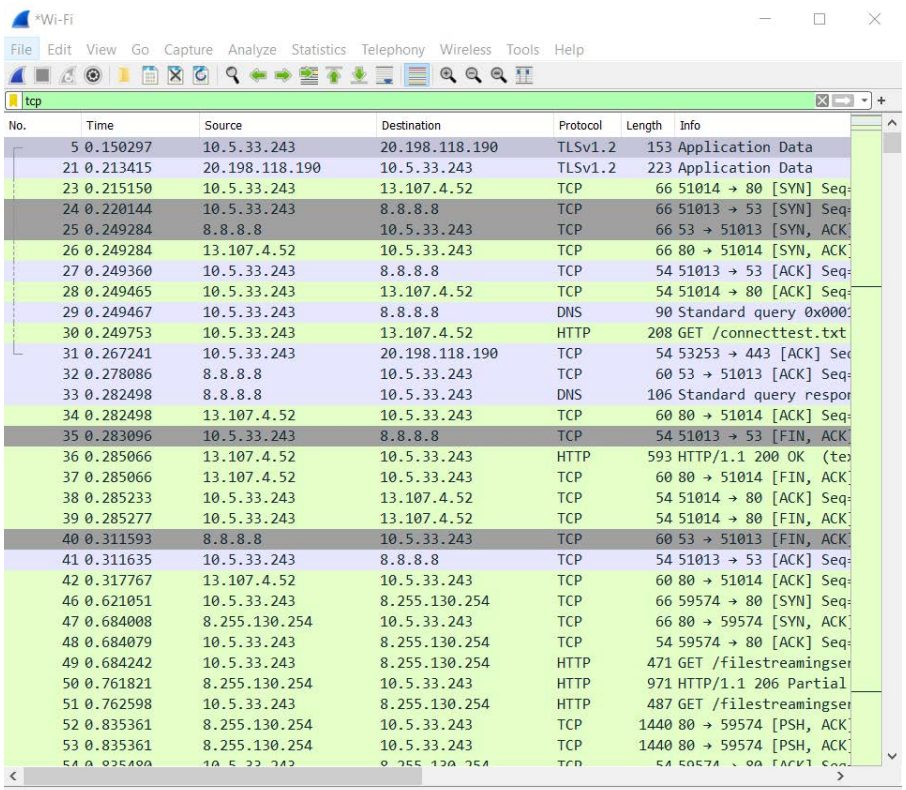

*Wi-Fi
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
http
No. Time Source Destination Protocol Length Info
30 0.249753 10.5.33.243 13.107.4.52 HTTP 208 GET /connecttest.txt
36 0.285066 13.107.4.52 10.5.33.243 HTTP 593 HTTP/1.1 200 OK (tex
49 0.684242 10.5.33.243 8.255.130.254 HTTP 471 GET /filestreamingser
50 0.761821 8.255.130.254 10.5.33.243 HTTP 971 HTTP/1.1 206 Partial
51 0.762598 10.5.33.243 8.255.130.254 HTTP 487 GET /filestreamingser
807 1.188306 8.255.130.254 10.5.33.243 HTTP 174 HTTP/1.1 206 Partial
809 1.190791 10.5.33.243 8.255.130.254 HTTP 487 GET /filestreamingser
1266 1.381784 8.255.130.254 10.5.33.243 HTTP 1370 HTTP/1.1 206 Partial
1272 1.505126 10.5.33.243 8.255.130.254 HTTP 487 GET /filestreamingser
1275 1.538875 10.5.33.243 8.255.130.254 HTTP 471 GET /filestreamingser
1604 1.608358 8.255.130.254 10.5.33.243 HTTP 972 HTTP/1.1 206 Partial
1615 1.608930 10.5.33.243 8.255.130.254 HTTP 487 GET /filestreamingser
1765 1.690384 8.255.130.254 10.5.33.243 HTTP 1370 HTTP/1.1 206 Partial
1769 1.690879 10.5.33.243 8.255.130.254 HTTP 485 GET /filestreamingser
1971 1.735617 8.255.130.254 10.5.33.243 HTTP 1199 HTTP/1.1 206 Partial
1972 1.737415 10.5.33.243 8.255.130.254 HTTP 487 GET /filestreamingser
1975 1.755460 10.5.33.243 8.255.130.254 HTTP 471 GET /filestreamingser
1978 1.758536 10.5.33.243 8.255.130.254 HTTP 471 GET /filestreamingser
2188 1.812166 10.5.33.243 8.255.130.254 HTTP 487 GET /filestreamingser
2213 1.817245 8.255.130.254 10.5.33.243 HTTP 972 HTTP/1.1 206 Partial
2214 1.817861 10.5.33.243 8.255.130.254 HTTP 487 GET /filestreamingser
2243 1.823269 8.255.130.254 10.5.33.243 HTTP 971 HTTP/1.1 206 Partial
2245 1.824113 10.5.33.243 8.255.130.254 HTTP 487 GET /filestreamingser
2699 1.887665 10.5.33.243 8.255.130.254 HTTP 487 GET /filestreamingser
Frame 2214: 487 bytes on wire (3896 bits), 487 bytes captured (3896 bits) on interface \Device\NPF
Ethernet II, Src: IntelCor_f2:42:a2 (c8:b2:9b:f2:42:a2), Dst: All-HSRP-routers_31 (00:00:0c:07:ac:
Internet Protocol Version 4, Src: 10.5.33.243, Dst: 8.255.130.254
Transmission Control Protocol, Src Port: 51017, Dst Port: 80, Seq: 418, Ack: 919, Len: 433
Hypertext Transfer Protocol
Hypertext Transfer Protocol: Protocol
Packets: 35120 · Displayed: 170 (0.5%) · Dropped: 0 (0.0%)
Profile: Default


Frame 2214: 487 bytes on wire (3896 bits), 487 bytes captured (3896 bits) on interface \Device\
Interface id: 0 (\Device\NPF_{1DB9E2B8-86E7-46E8-A0A9-C62914CE7CBE})
Encapsulation type: Ethernet (1)
Arrival Time: Jul 30, 2022 14:23:14.190069000 India Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1659171194.190069000 seconds
[Time delta from previous captured frame: 0.000616000 seconds]
[Time delta from previous displayed frame: 0.000616000 seconds]
[Time since reference or first frame: 1.817861000 seconds]
Frame Number: 2214
Frame Length: 487 bytes (3896 bits)
Capture Length: 487 bytes (3896 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:tcp:http]
[Coloring Rule Name: HTTP]
[Coloring Rule String: http || tcp.port == 80 || http2]
Ethernet II, Src: IntelCor_f2:42:a2 (c8:b2:9b:f2:42:a2), Dst: All-HSRP-routers_31 (00:00:0c:07:
Destination: All-HSRP-routers_31 (00:00:0c:07:ac:31)
Source: IntelCor_f2:42:a2 (c8:b2:9b:f2:42:a2)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.5.33.243, Dst: 8.255.130.254
0100 .... = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
Total Length: 473
Identification: 0x4348 (17224)
Flags: 0x40, 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: 10.5.33.243
Destination Address: 8.255.130.254
Transmission Control Protocol, Src Port: 51017, Dst Port: 80, Seq: 418, Ack: 919, Len: 433
Source Port: 51017
[TCP payload (433 bytes)]
Hypertext Transfer Protocol
GET /filestreamingservice/files/c3352b3e-ddb3-450c-a243-795700e29fdb?P1=1659179985&P2=404&P3=
Connection: Keep-Alive\r\n
Accept: */*\r\n
Range: bytes=292814848-293076991\r\n
User-Agent: Microsoft-Delivery-Optimization/10.0\r\n
MS-CV: 6a8/bKLrPkaSJCVE.1.1.33.90.7.10.1.2\r\n
Content-Length: 0\r\n
Host: tlu.dl.delivery.mp.microsoft.com\r\n
\r\n
[Full request URI [truncated]: http://tlu.dl.delivery.mp.microsoft.com/filestreamingservice/f
[HTTP request 2/13]
[Prev request in frame: 1975]
[Response in frame: 3695]
[Next request in frame: 3713]
Hypertext Transfer Protocol: Protocol
Packets: 35120 · Displayed: 170 (0.5%) · Dropped: 0 (0.0%)
Profile: Default

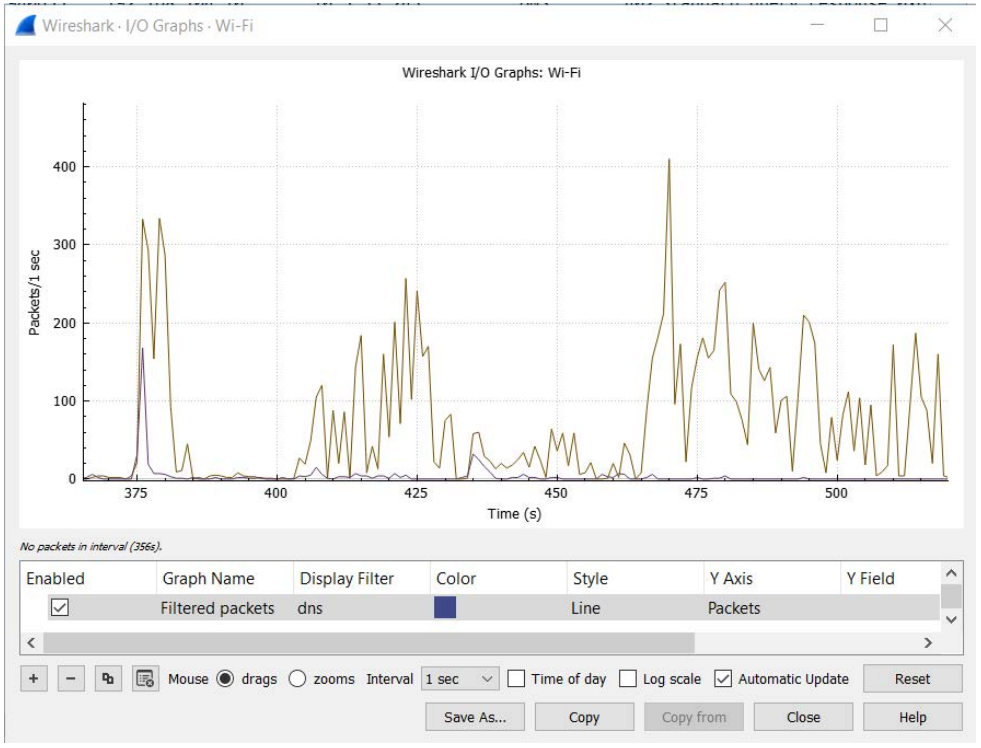

Wireshark · I/O Graphs · Wi-Fi
Wireshark I/O Graphs: Wi-Fi
Packets/1 sec
Time (s)
Click to select packet 30292 (6s = 4315).
Enabled Graph Name Display Filter Color Style Y Axis Y Field
All Packets Line Packets
Mouse drags zooms Interval 1 sec Time of day Log scale Automatic Update Reset
Save As... Copy Copy from Close Help

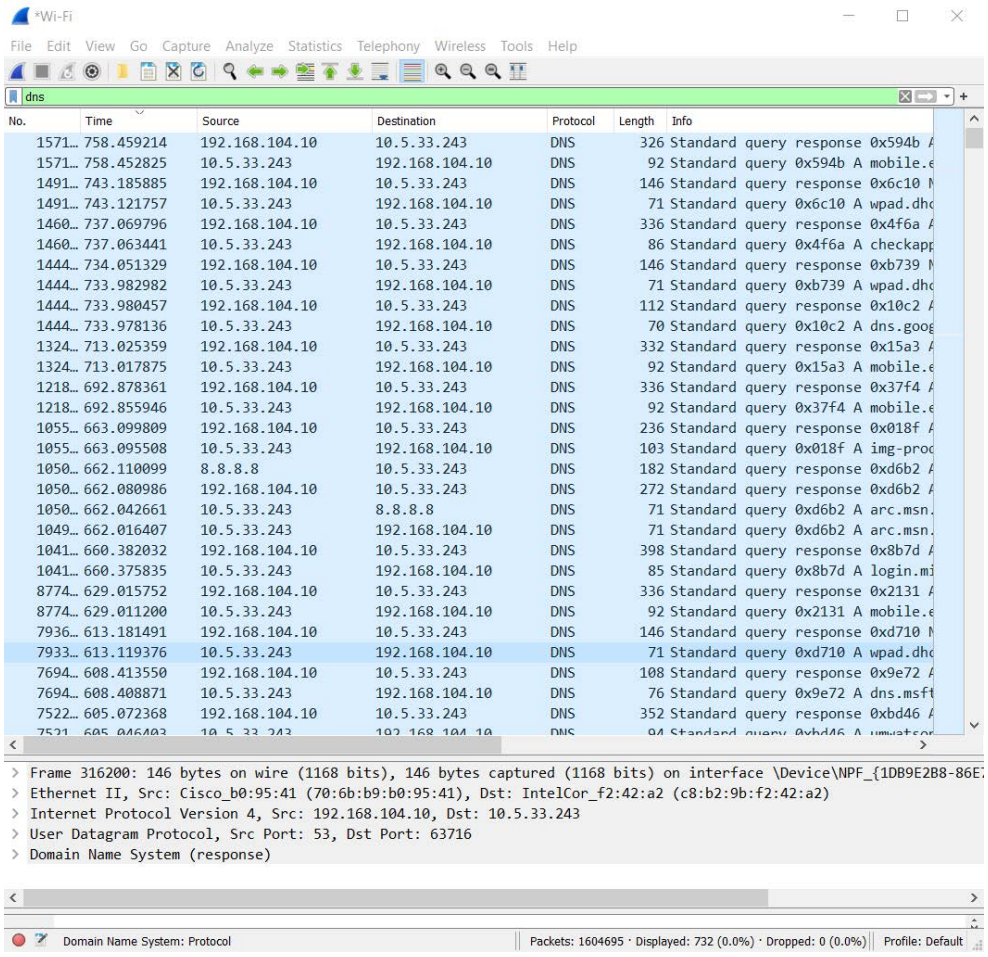

Wireshark · I/O Graphs · Wi-Fi
Wireshark I/O Graphs: Wi-Fi
Packets/1 sec
Time (s)
Click to select packet 292402 (468s = 0).
Enabled Graph Name Display Filter Color Style Y Axis Y Field SMA Period Y Axis Factor
Filtered packets http Line Packets None 1
Filtered packets tcp Line Packets None 1
Filtered packets udp Line Packets None 1
Mouse drags zooms Interval 1 sec Time of day Log scale Automatic Update Reset

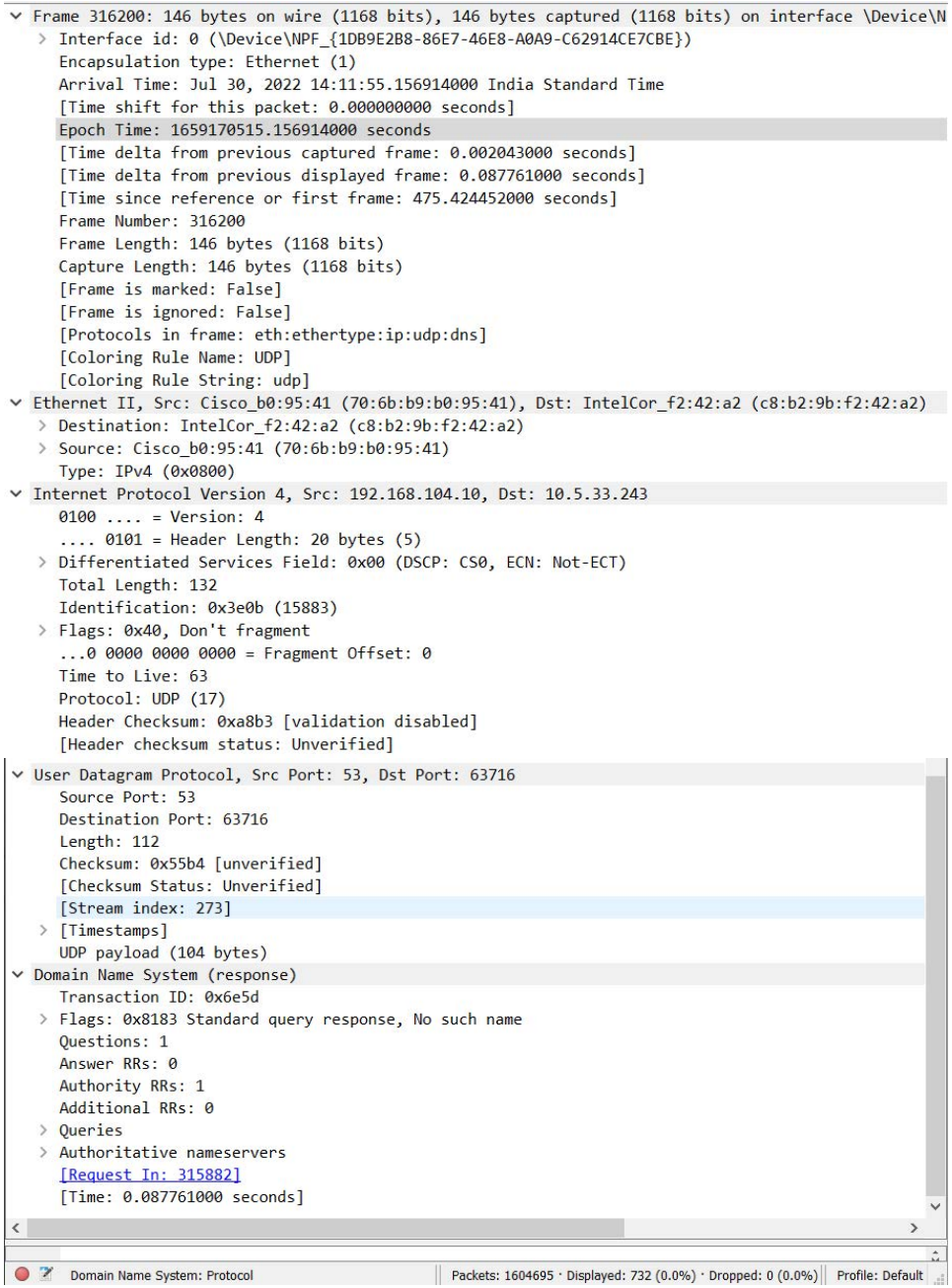


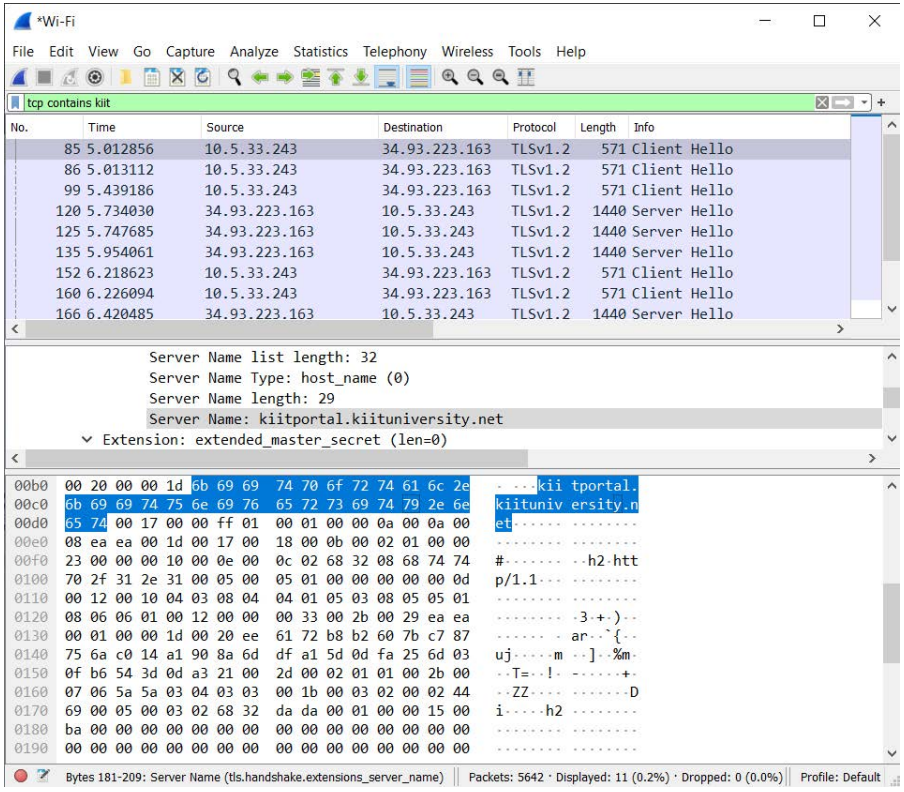

```
Frame 5: 153 bytes on wire (1224 bits), 153 bytes captured (1224 bits) on interfac
  Interface id: 0 (\Device\NPF_{1DB9E2B8-86E7-46E8-A0A9-C62914CE7CBE})
  Encapsulation type: Ethernet (1)
  Arrival Time: Jul 30, 2022 14:23:12.522505000 India Standard Time
  [Time shift for this packet: 0.000000000 seconds]
  Epoch Time: 1659171192.522505000 seconds
  [Time delta from previous captured frame: 0.000066000 seconds]
  [Time delta from previous displayed frame: 0.000000000 seconds]
  [Time since reference or first frame: 0.150297000 seconds]
  Frame Number: 5
  Frame Length: 153 bytes (1224 bits)
  Capture Length: 153 bytes (1224 bits)
  [Frame is marked: False]
  [Frame is ignored: False]
  [Protocols in frame: eth:ethertype:ip:tcp:tls]
  [Coloring Rule Name: TCP]
  [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_f2:42:a2 (c8:b2:9b:f2:42:a2), Dst: All-HSRP-routers_31
  Destination: All-HSRP-routers_31 (00:00:0c:07:ac:31)
  Source: IntelCor_f2:42:a2 (c8:b2:9b:f2:42:a2)
  Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.5.33.243, Dst: 20.198.118.190
  0100 .... = Version: 4
  .... 0101 = Header Length: 20 bytes (5)
  Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
  Total Length: 139
  Identification: 0x68ab (26795)
  Flags: 0x40, 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: 10.5.33.243
  Destination Address: 20.198.118.190
```

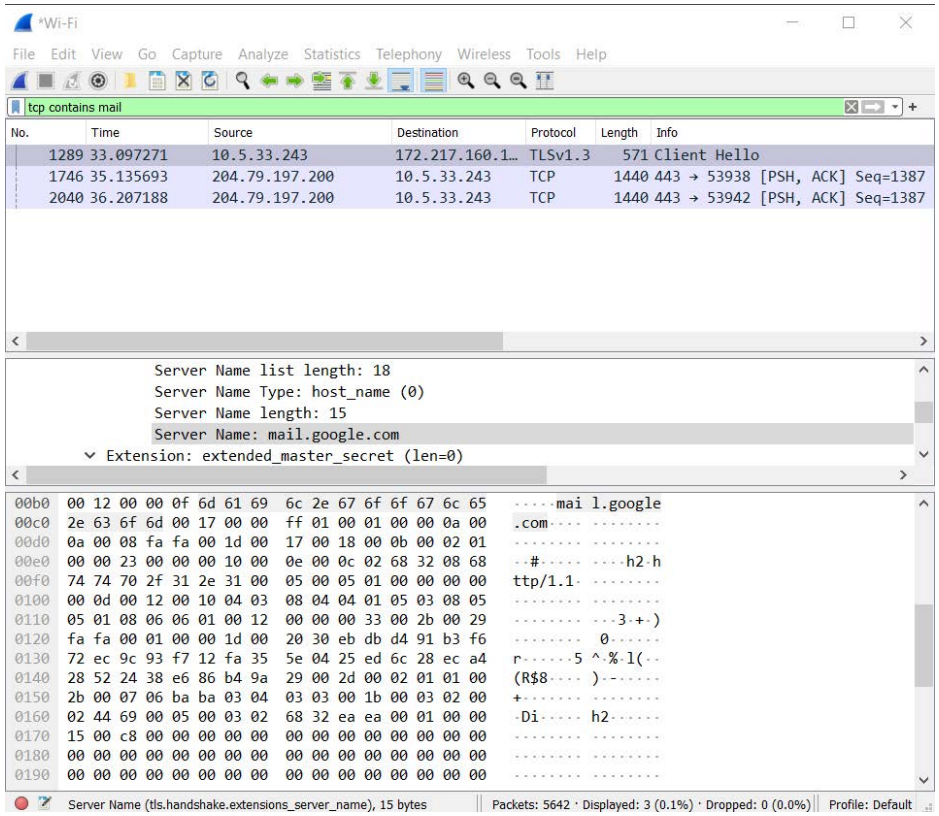
```
Transmission Control Protocol, Src Port: 53253, Dst Port: 443, Seq: 1,
  Source Port: 53253
  Destination Port: 443
  [Stream index: 0]
  [Conversation completeness: Incomplete (12)]
  [TCP Segment Len: 99]
  Sequence Number: 1    (relative sequence number)
  Sequence Number (raw): 2427264007
  [Next Sequence Number: 100    (relative sequence number)]
  Acknowledgment Number: 1    (relative ack number)
  Acknowledgment number (raw): 2435123058
  0101 .... = Header Length: 20 bytes (5)
  Flags: 0x018 (PSH, ACK)
  Window: 513
  [Calculated window size: 513]
  [Window size scaling factor: -1 (unknown)]
  Checksum: 0xb7f9 [unverified]
  [Checksum Status: Unverified]
  Urgent Pointer: 0
  [Timestamps]
  [SEQ/ACK analysis]
  TCP payload (99 bytes)
Transport Layer Security
  TLSv1.2 Record Layer: Application Data Protocol: http-over-tls
```

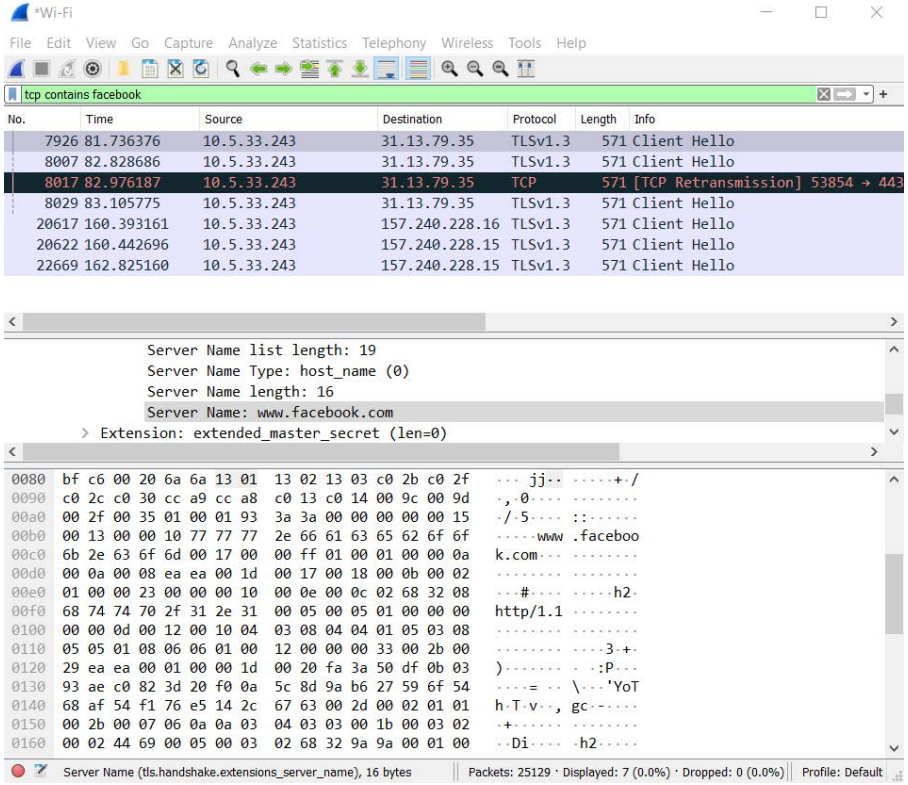



*Wi-Fi
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
dns
No. Time Source Destination Protocol Length Info
1571… 758.459214 192.168.104.10 10.5.33.243 DNS 326 Standard query response 0x594b A
1571… 758.452825 10.5.33.243 192.168.104.10 DNS 92 Standard query 0x594b A mobile.e
1491… 743.185885 192.168.104.10 10.5.33.243 DNS 146 Standard query response 0x6c10 N
1491… 743.121757 10.5.33.243 192.168.104.10 DNS 71 Standard query 0x6c10 A wpad.dhc
1460… 737.069796 192.168.104.10 10.5.33.243 DNS 336 Standard query response 0x4f6a A
1460… 737.063441 10.5.33.243 192.168.104.10 DNS 86 Standard query 0x4f6a A checkapp
1444… 734.051329 192.168.104.10 10.5.33.243 DNS 146 Standard query response 0xb739 N
1444… 733.982982 10.5.33.243 192.168.104.10 DNS 71 Standard query 0xb739 A wpad.dhc
1444… 733.980457 192.168.104.10 10.5.33.243 DNS 112 Standard query response 0x10c2 A
1444… 733.978136 10.5.33.243 192.168.104.10 DNS 70 Standard query 0x10c2 A dns.goog
1324… 713.025359 192.168.104.10 10.5.33.243 DNS 332 Standard query response 0x15a3 A
1324… 713.017875 10.5.33.243 192.168.104.10 DNS 92 Standard query 0x15a3 A mobile.e
1218… 692.878361 192.168.104.10 10.5.33.243 DNS 336 Standard query response 0x37f4 A
1218… 692.855946 10.5.33.243 192.168.104.10 DNS 92 Standard query 0x37f4 A mobile.e
1055… 663.099809 192.168.104.10 10.5.33.243 DNS 236 Standard query response 0x018f A
1055… 663.095508 10.5.33.243 192.168.104.10 DNS 103 Standard query 0x018f A img-proc
1050… 662.110099 8.8.8.8 10.5.33.243 DNS 182 Standard query response 0xd6b2 A
1050… 662.080986 192.168.104.10 10.5.33.243 DNS 272 Standard query response 0xd6b2 A
1050… 662.042661 10.5.33.243 8.8.8.8 DNS 71 Standard query 0xd6b2 A arc.msn.
1049… 662.016407 10.5.33.243 192.168.104.10 DNS 71 Standard query 0xd6b2 A arc.msn.
1041… 660.382032 192.168.104.10 10.5.33.243 DNS 398 Standard query response 0x8b7d A
1041… 660.375835 10.5.33.243 192.168.104.10 DNS 85 Standard query 0x8b7d A login.mi
8774… 629.015752 192.168.104.10 10.5.33.243 DNS 336 Standard query response 0x2131 A
8774… 629.011200 10.5.33.243 192.168.104.10 DNS 92 Standard query 0x2131 A mobile.e
7936… 613.181491 192.168.104.10 10.5.33.243 DNS 146 Standard query response 0xd710 N
7933… 613.119376 10.5.33.243 192.168.104.10 DNS 71 Standard query 0xd710 A wpad.dhc
7694… 608.413550 192.168.104.10 10.5.33.243 DNS 108 Standard query response 0x9e72 A
7694… 608.408871 10.5.33.243 192.168.104.10 DNS 76 Standard query 0x9e72 A dns.msft
7522… 605.072368 192.168.104.10 10.5.33.243 DNS 352 Standard query response 0xbd46 A
Frame 316200: 146 bytes on wire (1168 bits), 146 bytes captured (1168 bits) on interface \Device\NPF_{1DB9E2B8-86E
Ethernet II, Src: Cisco_b0:95:41 (70:6b:b9:b0:95:41), Dst: IntelCor_f2:42:a2 (c8:b2:9b:f2:42:a2)
Internet Protocol Version 4, Src: 192.168.104.10, Dst: 10.5.33.243
User Datagram Protocol, Src Port: 53, Dst Port: 63716
Domain Name System (response)
Domain Name System: Protocol
Packets: 1604695 · Displayed: 732 (0.0%) · Dropped: 0 (0.0%)
Profile: Default


Frame 316200: 146 bytes on wire (1168 bits), 146 bytes captured (1168 bits) on interface \Device\N
Interface id: 0 (\Device\NPF_{1DB9E2B8-86E7-46E8-A0A9-C62914CE7CBE})
Encapsulation type: Ethernet (1)
Arrival Time: Jul 30, 2022 14:11:55.156914000 India Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1659170515.156914000 seconds
[Time delta from previous captured frame: 0.002043000 seconds]
[Time delta from previous displayed frame: 0.087761000 seconds]
[Time since reference or first frame: 475.424452000 seconds]
Frame Number: 316200
Frame Length: 146 bytes (1168 bits)
Capture Length: 146 bytes (1168 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:dns]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: Cisco_b0:95:41 (70:6b:b9:b0:95:41), Dst: IntelCor_f2:42:a2 (c8:b2:9b:f2:42:a2)
Destination: IntelCor_f2:42:a2 (c8:b2:9b:f2:42:a2)
Source: Cisco_b0:95:41 (70:6b:b9:b0:95:41)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.104.10, Dst: 10.5.33.243
0100 .... = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
Total Length: 132
Identification: 0x3e0b (15883)
Flags: 0x40, Don't fragment
...0 0000 0000 0000 = Fragment Offset: 0
Time to Live: 63
Protocol: UDP (17)
Header Checksum: 0xa8b3 [validation disabled]
[Header checksum status: Unverified]
User Datagram Protocol, Src Port: 53, Dst Port: 63716
Source Port: 53
Destination Port: 63716
Length: 112
Checksum: 0x55b4 [unverified]
[Checksum Status: Unverified]
[Stream index: 273]
[Timestamps]
UDP payload (104 bytes)
Domain Name System (response)
Transaction ID: 0x6e5d
Flags: 0x8183 Standard query response, No such name
Questions: 1
Answer RRs: 0
Authority RRs: 1
Additional RRs: 0
Queries
Authoritative nameservers
[Request In: 315882]
[Time: 0.087761000 seconds]
Domain Name System: Protocol
Packets: 1604695 · Displayed: 732 (0.0%) · Dropped: 0 (0.0%)
Profile: Default


*Wi-Fi
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
tcp contains kiit
No. Time Source Destination Protocol Length Info
85 5.012856 10.5.33.243 34.93.223.163 TLSv1.2 571 Client Hello
86 5.013112 10.5.33.243 34.93.223.163 TLSv1.2 571 Client Hello
99 5.439186 10.5.33.243 34.93.223.163 TLSv1.2 571 Client Hello
120 5.734030 34.93.223.163 10.5.33.243 TLSv1.2 1440 Server Hello
125 5.747685 34.93.223.163 10.5.33.243 TLSv1.2 1440 Server Hello
135 5.954061 34.93.223.163 10.5.33.243 TLSv1.2 1440 Server Hello
152 6.218623 10.5.33.243 34.93.223.163 TLSv1.2 571 Client Hello
160 6.226094 10.5.33.243 34.93.223.163 TLSv1.2 571 Client Hello
166 6.420485 34.93.223.163 10.5.33.243 TLSv1.2 1440 Server Hello
Server Name list length: 32
Server Name Type: host_name (0)
Server Name length: 29
Server Name: kiitportal.kiituniversity.net
Extension: extended_master_secret (len=0)
Bytes 181-209: Server Name (tls.handshake.extensions_server_name)
Packets: 5642 · Displayed: 11 (0.2%) · Dropped: 0 (0.0%)
Profile: Default


*Wi-Fi
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
tcp contains mail
No. Time Source Destination Protocol Length Info
1289 33.097271 10.5.33.243 172.217.160.1… TLSv1.3 571 Client Hello
1746 35.135693 204.79.197.200 10.5.33.243 TCP 1440 443 → 53938 [PSH, ACK] Seq=1387
2040 36.207188 204.79.197.200 10.5.33.243 TCP 1440 443 → 53942 [PSH, ACK] Seq=1387
Server Name list length: 18
Server Name Type: host_name (0)
Server Name length: 15
Server Name: mail.google.com
Extension: extended_master_secret (len=0)
Server Name (tls.handshake.extensions_server_name), 15 bytes
Packets: 5642 · Displayed: 3 (0.1%) · Dropped: 0 (0.0%)
Profile: Default


*Wi-Fi
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
tcp contains facebook
No. Time Source Destination Protocol Length Info
7926 81.736376 10.5.33.243 31.13.79.35 TLSv1.3 571 Client Hello
8007 82.828686 10.5.33.243 31.13.79.35 TLSv1.3 571 Client Hello
8017 82.976187 10.5.33.243 31.13.79.35 TCP 571 [TCP Retransmission] 53854 → 443
8029 83.105775 10.5.33.243 31.13.79.35 TLSv1.3 571 Client Hello
20617 160.393161 10.5.33.243 157.240.228.16 TLSv1.3 571 Client Hello
20622 160.442696 10.5.33.243 157.240.228.15 TLSv1.3 571 Client Hello
22669 162.825160 10.5.33.243 157.240.228.15 TLSv1.3 571 Client Hello
Server Name list length: 19
Server Name Type: host_name (0)
Server Name length: 16
Server Name: www.facebook.com
Extension: extended_master_secret (len=0)
Server Name (tls.handshake.extensions_server_name), 16 bytes
Packets: 25129 · Displayed: 7 (0.0%) · Dropped: 0 (0.0%)
Profile: Default