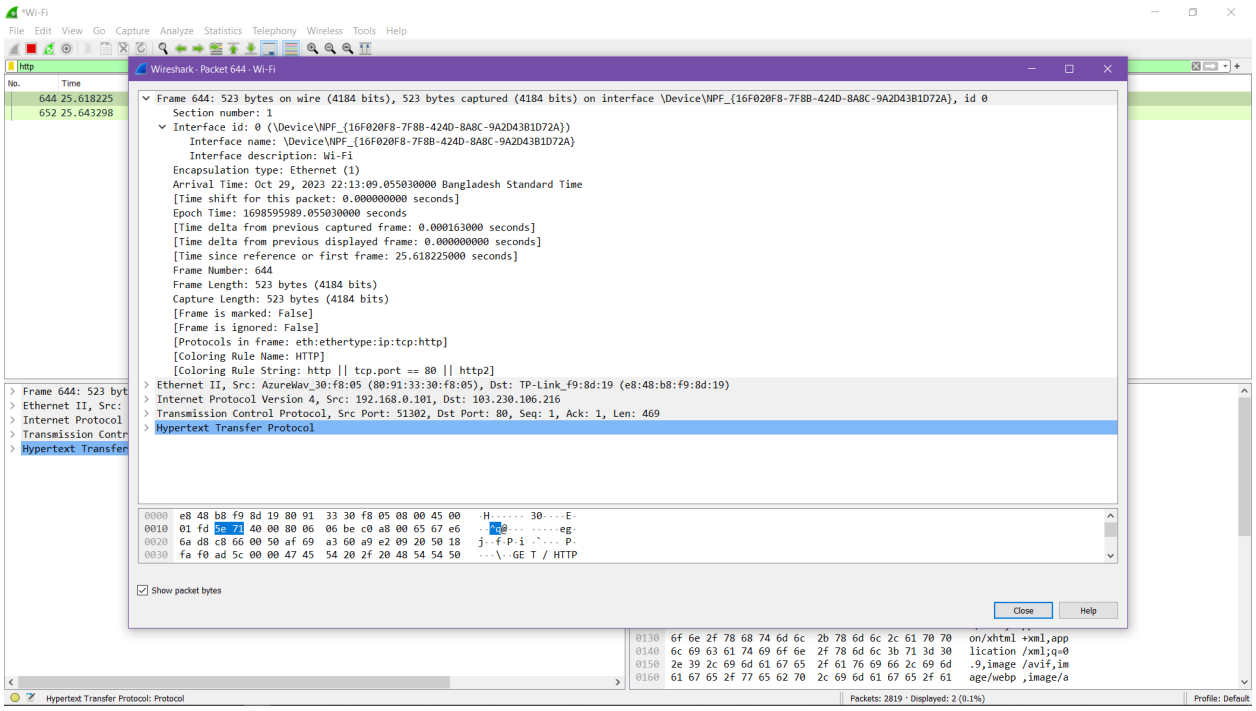
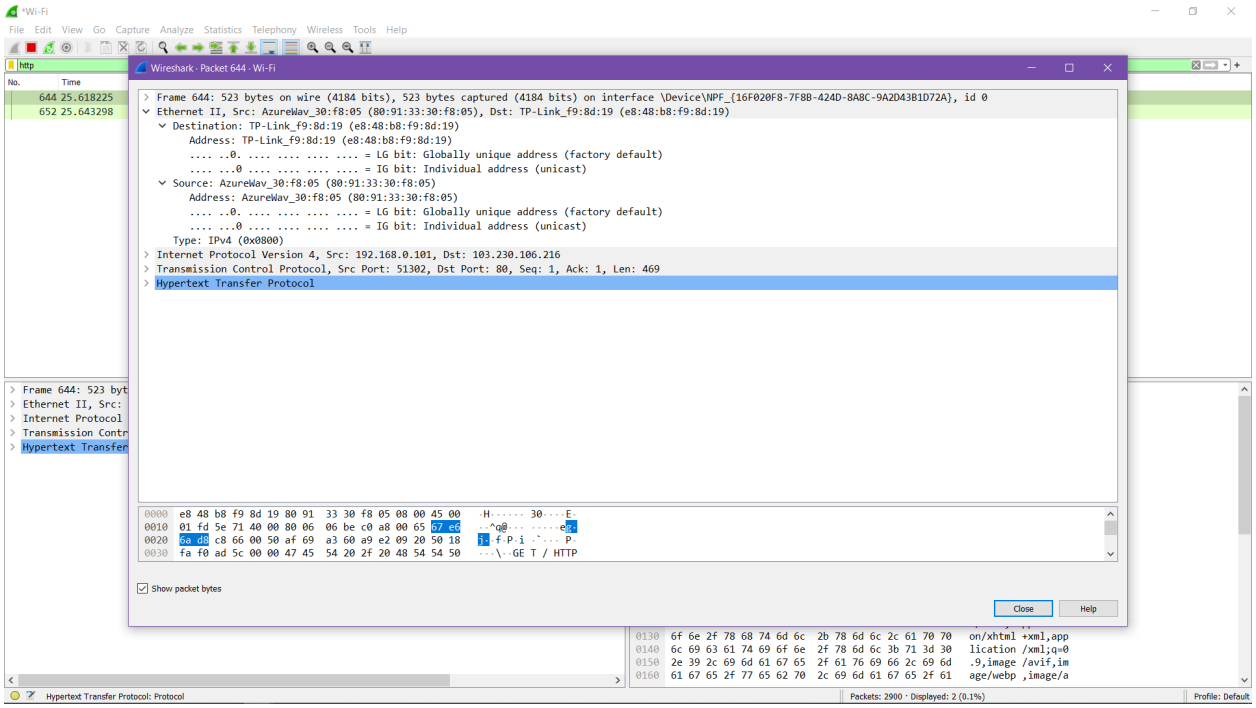
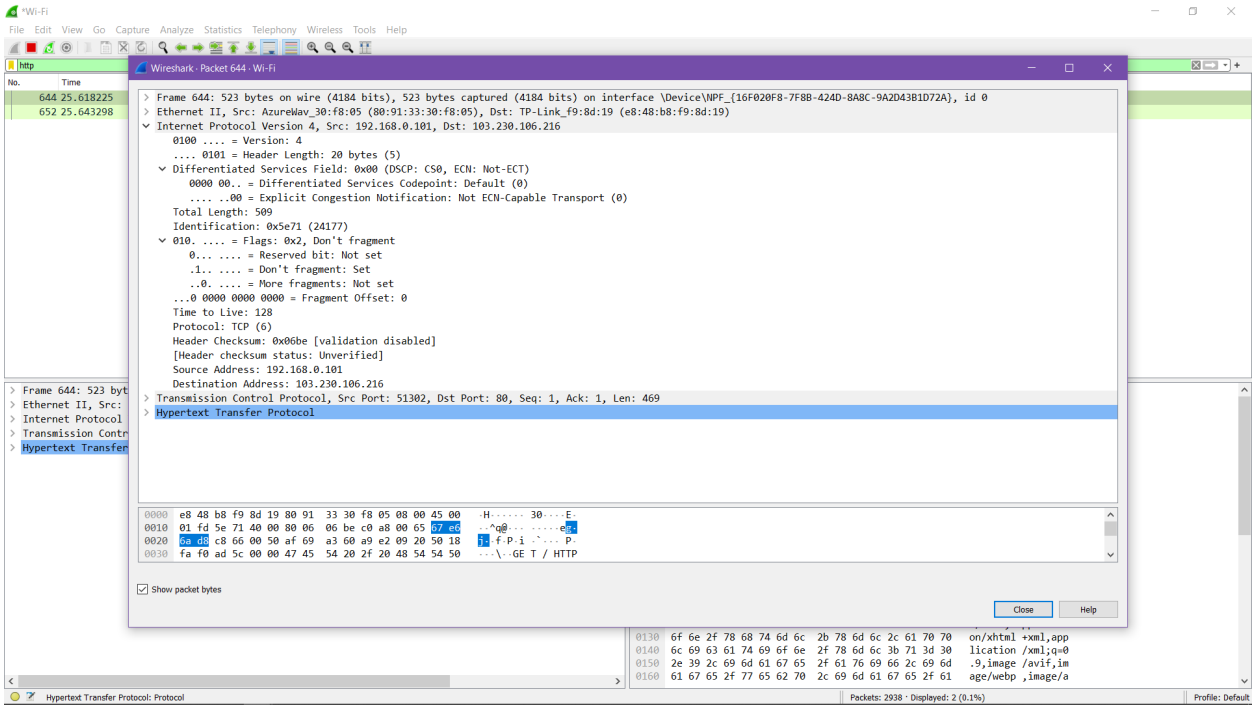
Name: Md. Sifat Kamal
ID: 20101231

Request Packet:




*Wi-Fi
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
http
No. Time
644 25.618225
652 25.643298
Wireshark · Packet 644 · Wi-Fi
Frame 644: 523 bytes on wire (4184 bits), 523 bytes captured (4184 bits) on interface \Device\NPF_{16F020F8-7F8B-424D-8A8C-9A2D43B1D72A}, id 0
Ethernet II, Src: AzureWav_30:f8:05 (80:91:33:30:f8:05), Dst: TP-Link_f9:8d:19 (e8:48:b8:f9:8d:19)
Destination: TP-Link_f9:8d:19 (e8:48:b8:f9:8d:19)
Address: TP-Link_f9:8d:19 (e8:48:b8:f9:8d:19)
.... ..0. .... = LG bit: Globally unique address (factory default)
....0 .... = IG bit: Individual address (unicast)
Source: AzureWav_30:f8:05 (80:91:33:30:f8:05)
Address: AzureWav_30:f8:05 (80:91:33:30:f8:05)
.... ..0. .... = LG bit: Globally unique address (factory default)
....0 .... = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.0.101, Dst: 103.230.106.216
Transmission Control Protocol, Src Port: 51302, Dst Port: 80, Seq: 1, Ack: 1, Len: 469
Hypertext Transfer Protocol
0000 e8 48 b8 f9 8d 19 80 91 33 30 f8 05 08 00 45 00
0010 01 fd 5e 71 40 00 80 06 06 be c0 a8 00 65 67 e6
0020 6a d8 c8 66 00 50 af 69 a3 60 a9 e2 09 20 50 18
0030 fa f0 ad 5c 00 00 47 45 54 20 2f 20 48 54 54 50
Show packet bytes
Close
Help
0130 6f 6e 2f 78 68 74 6d 6c 2b 78 6d 6c 2c 61 70 70
0140 6c 69 63 61 74 69 6f 6e 2f 78 6d 6c 3b 71 3d 30
0150 2e 39 2c 69 6d 61 67 65 2f 61 76 69 66 2c 69 6d
0160 61 67 65 2f 77 65 62 70 2c 69 6d 61 67 65 2f 61
Hypertext Transfer Protocol: Protocol
Packets: 2900 · Displayed: 2 (0.1%)
Profile: Default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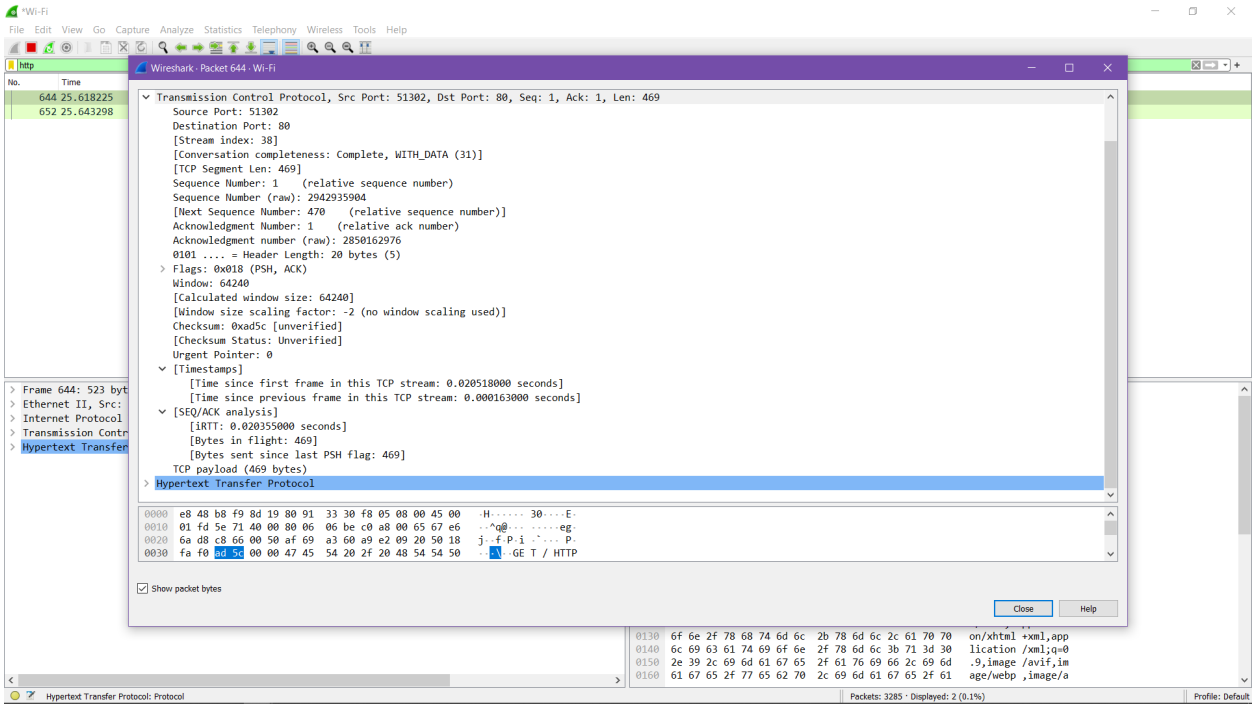
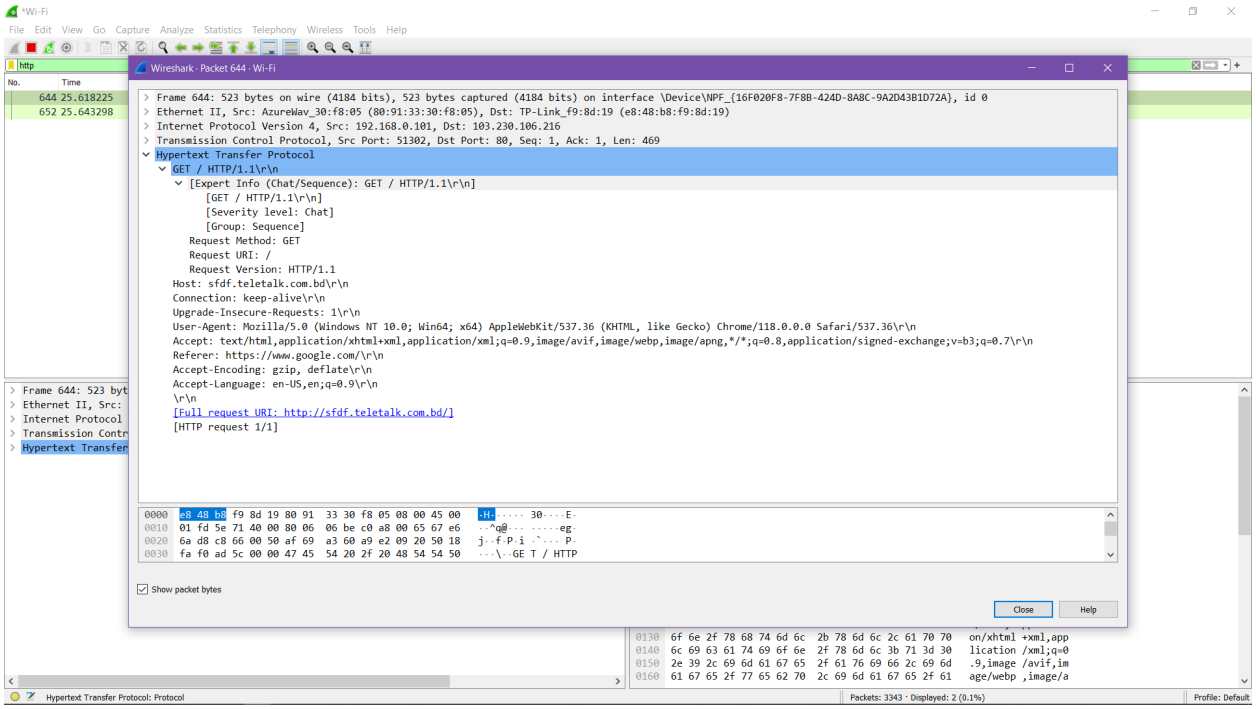
http
No. Time
644 25.618225
652 25.643298
Wireshark · Packet 644 · Wi-Fi
Frame 644: 523 bytes on wire (4184 bits), 523 bytes captured (4184 bits) on interface \Device\NPF_{16F020F8-7F8B-424D-8A8C-9A2D43B1D72A}, id 0
Ethernet II, Src: AzureWav_30:f8:05 (80:91:33:30:f8:05), Dst: TP-Link_f9:8d:19 (e8:48:b8:f9:8d:19)
Internet Protocol Version 4, Src: 192.168.0.101, Dst: 103.230.106.216
0100 .... = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 509
Identification: 0x5e71 (24177)
010. .... = Flags: 0x2, Don't fragment
0... .... = Reserved bit: Not set
.1.. .... = Don't fragment: Set
..0. .... = More fragments: Not set
...0 0000 0000 0000 = Fragment Offset: 0
Time to Live: 128
Protocol: TCP (6)
Header Checksum: 0x06be [validation disabled]
[Header checksum status: Unverified]
Source Address: 192.168.0.101
Destination Address: 103.230.106.216
Transmission Control Protocol, Src Port: 51302, Dst Port: 80, Seq: 1, Ack: 1, Len: 469
Hypertext Transfer Protocol
0000 e8 48 b8 f9 8d 19 80 91 33 30 f8 05 08 00 45 00
0010 01 fd 5e 71 40 00 80 06 06 be c0 a8 00 65 67 e6
0020 6a d8 c8 66 00 50 af 69 a3 60 a9 e2 09 20 50 18
0030 fa f0 ad 5c 00 00 47 45 54 20 2f 20 48 54 54 50
Show packet bytes
Close
Help
0130 6f 6e 2f 78 68 74 6d 6c 2b 78 6d 6c 2c 61 70 70
0140 6c 69 63 61 74 69 6f 6e 2f 78 6d 6c 3b 71 3d 30
0150 2e 39 2c 69 6d 61 67 65 2f 61 76 69 66 2c 69 6d
0160 61 67 65 2f 77 65 62 70 2c 69 6d 61 67 65 2f 61
Hypertext Transfer Protocol: Protocol
Packets: 2938 · Displayed: 2 (0.1%)
Profile: Default





Descriptions

Host: This basically indicates the server's domain. It helps the server route to request to the correct web application with the provided domain name

Accept-Language: It specifies the client's preferred language. It helps to permit the web server for those contents which are matching with the user's preferred language. Here it will only allow it if the language is available.

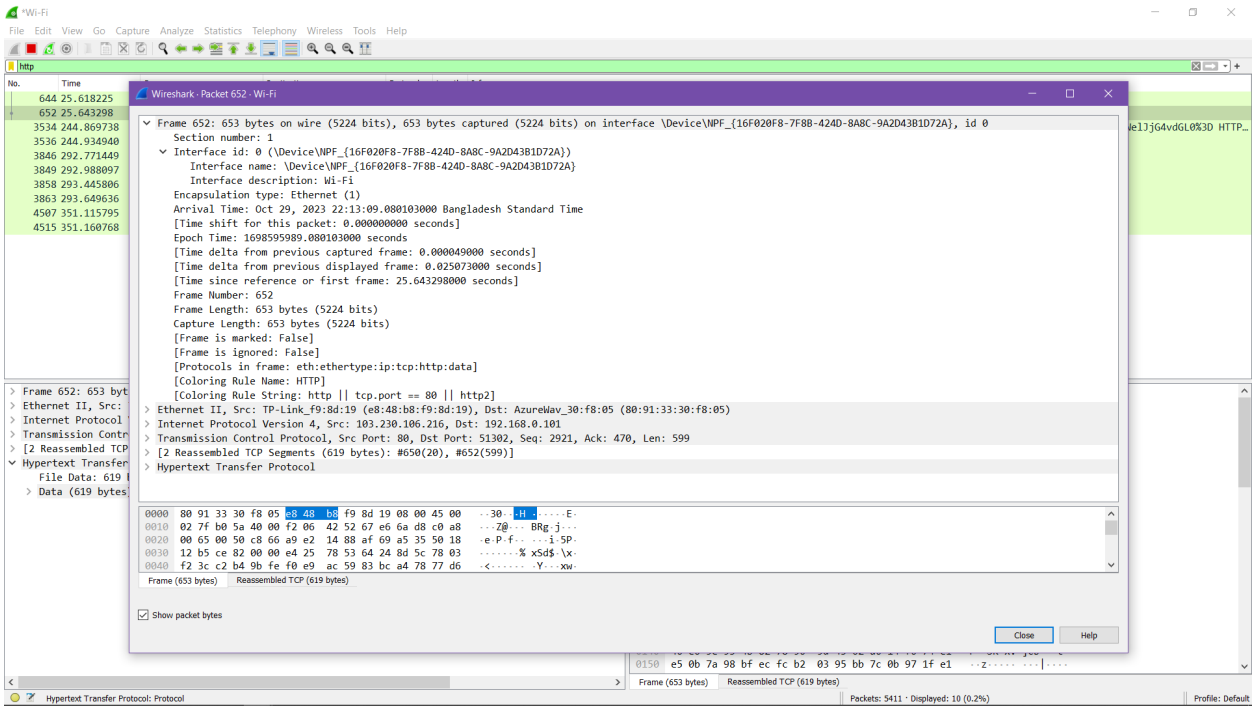
User Agent: It basically contains the client's information. It helps the web servers to optimize. This optimization helps to deliver content for different types of clients.

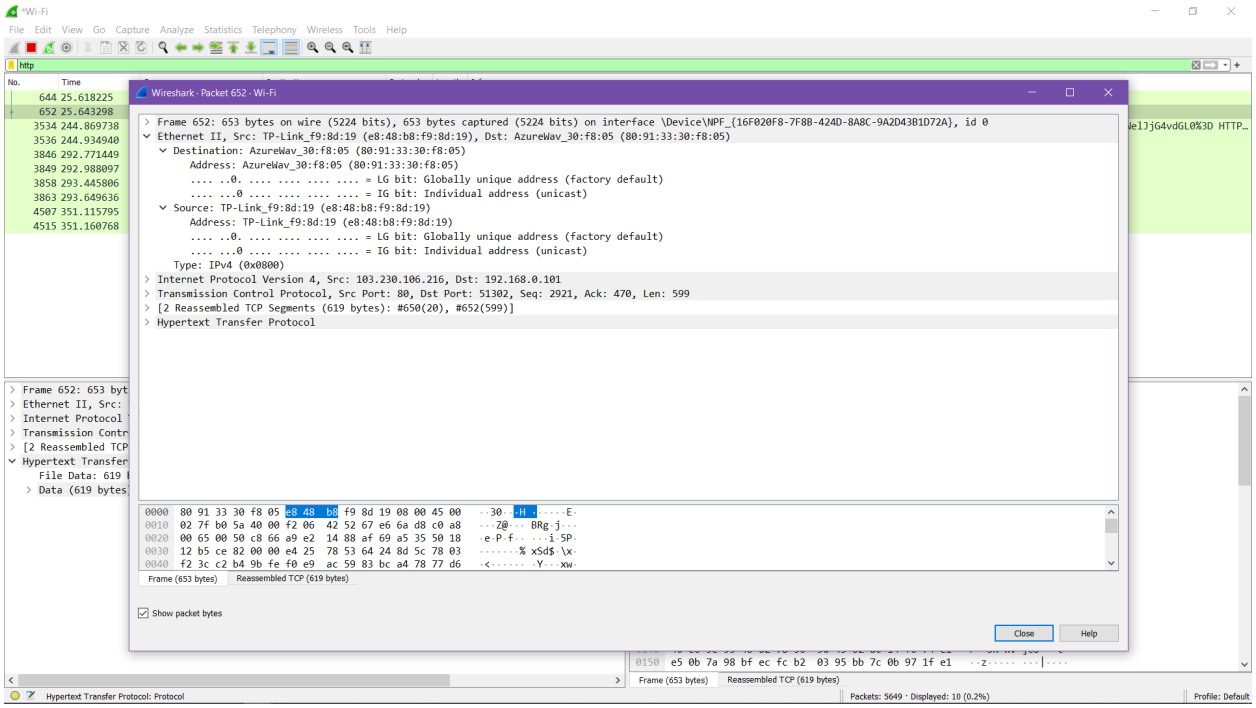
Upgrade-Insecure-Requests: It provides strong security and good privacy by requesting secure connections

Method: It specifies HTTP actions such as: GET, POST, PUT, DELETE, etc.
Connection: It provides enhanced security and privacy by requesting secure connections.

Accept-Encoding: It basically provides permission to the web servers to compress data before transmission, reducing loading speed and reducing bandwidth usage. But it will only work if both server and client support the same encoding method.

Response Packet:

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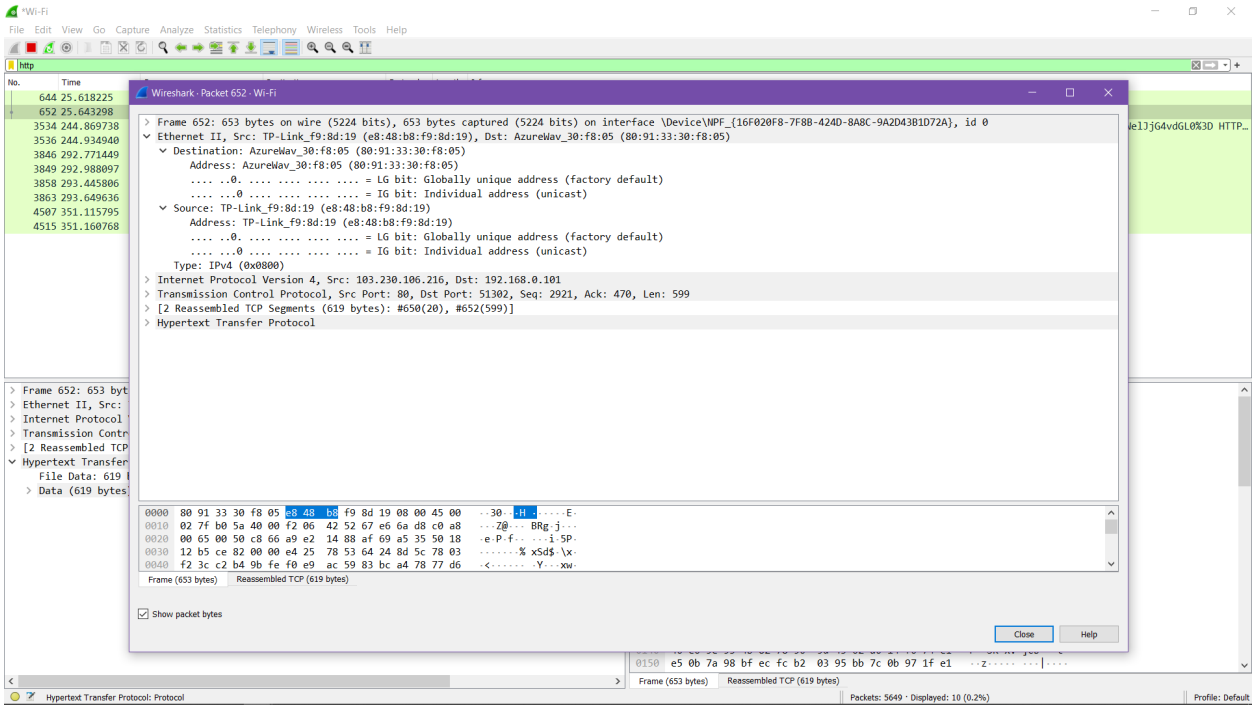
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
http
No. Time
644 25.618225
652 25.643298
3534 244.869738
3536 244.934940
3846 292.771449
3849 292.988097
3858 293.445806
3863 293.649636
4507 351.115795
4515 351.160768
Wireshark · Packet 652 · Wi-Fi
Frame 652: 653 bytes on wire (5224 bits), 653 bytes captured (5224 bits) on interface \Device\NPF_{16F020F8-7F8B-424D-8A8C-9A2D43B1D72A}, id 0
Ethernet II, Src: TP-Link_f9:8d:19 (e8:48:b8:f9:8d:19), Dst: AzureWav_30:f8:05 (80:91:33:30:f8:05)
Destination: AzureWav_30:f8:05 (80:91:33:30:f8:05)
Address: AzureWav_30:f8:05 (80:91:33:30:f8:05)
.... ..0. .... = LG bit: Globally unique address (factory default)
....0 .... = IG bit: Individual address (unicast)
Source: TP-Link_f9:8d:19 (e8:48:b8:f9:8d:19)
Address: TP-Link_f9:8d:19 (e8:48:b8:f9:8d:19)
.... ..0. .... = LG bit: Globally unique address (factory default)
....0 .... = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 103.230.106.216, Dst: 192.168.0.101
Transmission Control Protocol, Src Port: 80, Dst Port: 51302, Seq: 2921, Ack: 470, Len: 599
[2 Reassembled TCP Segments (619 bytes): #650(20), #652(599)]
Hypertext Transfer Protocol
0000 80 91 33 30 f8 05 e8 48 b8 f9 8d 19 08 00 45 00
0010 02 7f b0 5a 40 00 f2 06 42 52 67 e6 6a d8 c0 a8
0020 00 65 00 50 c8 66 a9 e2 14 88 af 69 a5 35 50 18
0030 12 b5 ce 82 00 00 e4 25 78 53 64 24 8d 5c 78 03
0040 f2 3c c2 b4 9b fe f0 e9 ac 59 83 bc a4 78 77 d6
Frame (653 bytes)
Reassembled TCP (619 bytes)
Show packet bytes
Close
Help
Hypertext Transfer Protocol: Protocol
Packets: 5649 · Displayed: 10 (0.2%)
Profile: Default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Wireshark · Packet 652 · Wi-Fi
Frame 652: 653 bytes on wire (5224 bits), 653 bytes captured (5224 bits) on interface \Device\NPF_{16F020F8-7F8B-424D-8A8C-9A2D43B1D72A}, id 0
Ethernet II, Src: TP-Link_f9:8d:19 (e8:48:b8:f9:8d:19), Dst: AzureWav_30:f8:05 (80:91:33:30:f8:05)
Destination: AzureWav_30:f8:05 (80:91:33:30:f8:05)
Address: AzureWav_30:f8:05 (80:91:33:30:f8:05)
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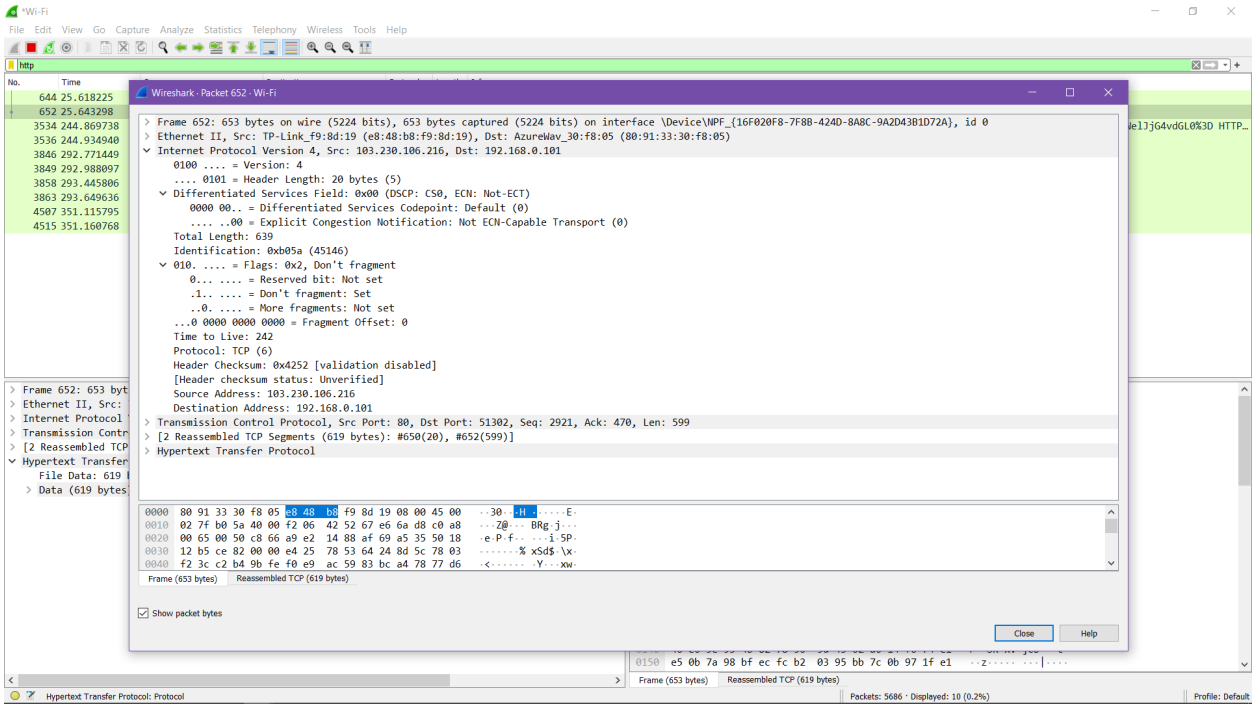
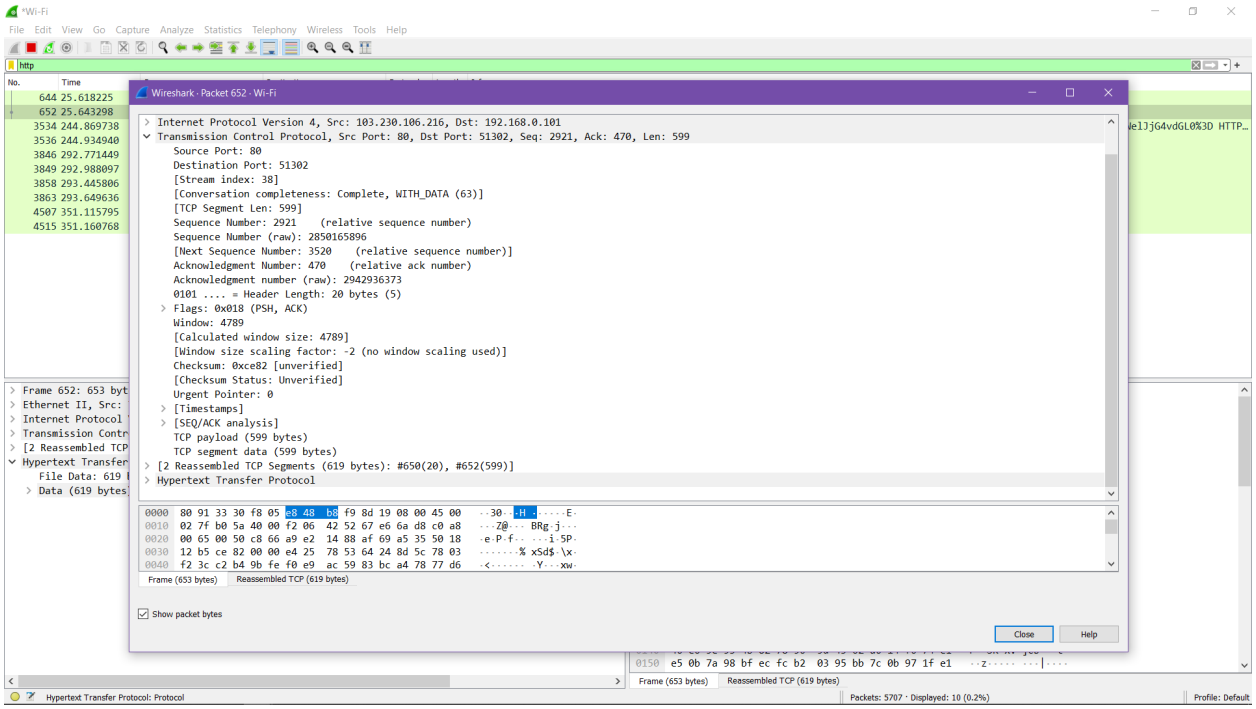
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 103.230.106.216, Dst: 192.168.0.101
Transmission Control Protocol, Src Port: 80, Dst Port: 51302, Seq: 2921, Ack: 470, Len: 599
[2 Reassembled TCP Segments (619 bytes): #650(20), #652(599)]
Hypertext Transfer Protocol
0000 80 91 33 30 f8 05 e8 48 b8 f9 8d 19 08 00 45 00
0010 02 7f b0 5a 40 00 f2 06 42 52 67 e6 6a d8 c0 a8
0020 00 65 00 50 c8 66 a9 e2 14 88 af 69 a5 35 50 18
0030 12 b5 ce 82 00 00 e4 25 78 53 64 24 8d 5c 78 03
0040 f2 3c c2 b4 9b fe f0 e9 ac 59 83 bc a4 78 77 d6
Frame (653 bytes)
Reassembled TCP (619 bytes)
Show packet bytes
Close
Help
Hypertext Transfer Protocol: Protocol
Packets: 5649 · Displayed: 10 (0.2%)
Profile: Default





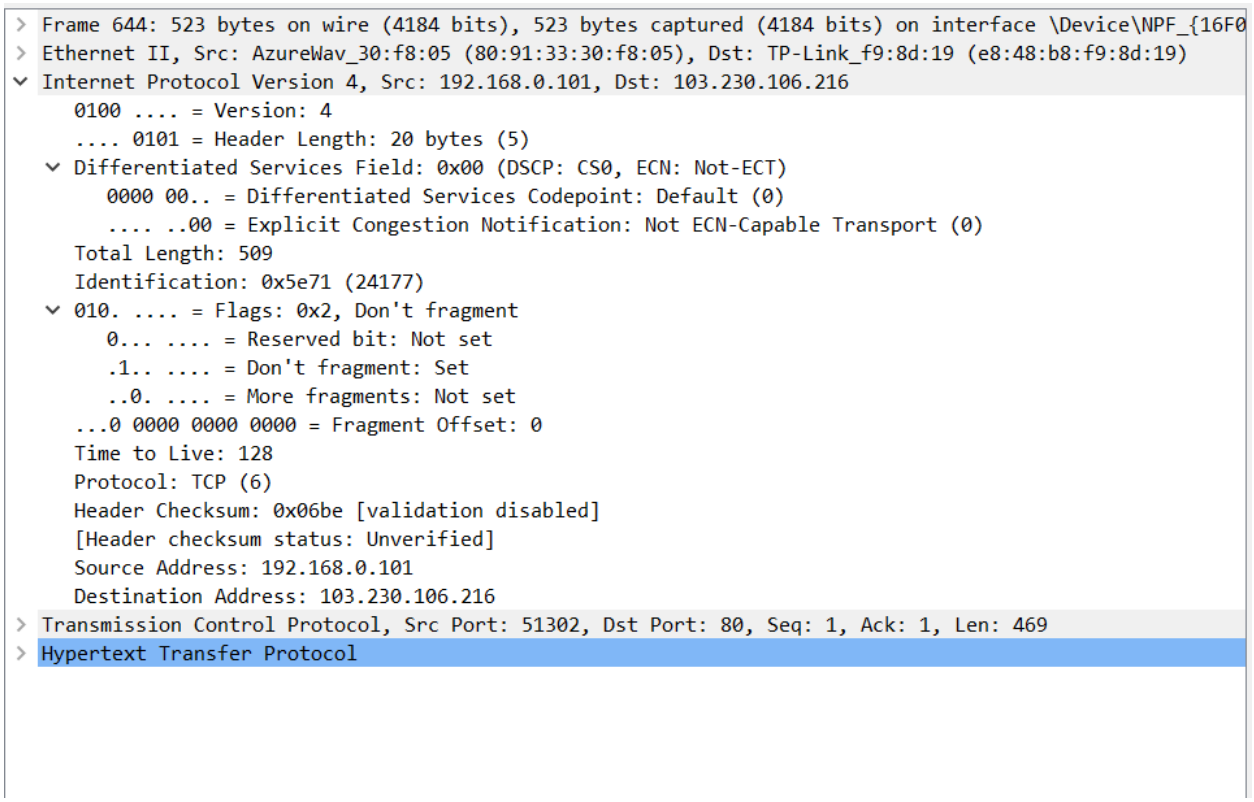
Descriptions

Content-Encoding: It basically indicates the compression method that is used for providing response as content

Date: It specifies the generated time that was taken for the response

Cache-Control: It basically gives directions on how the caching should be handled

HTTP Version: Version of the HTTP protocol

Server: Server Software

Content-Type: It specifies the format or media type of the response content