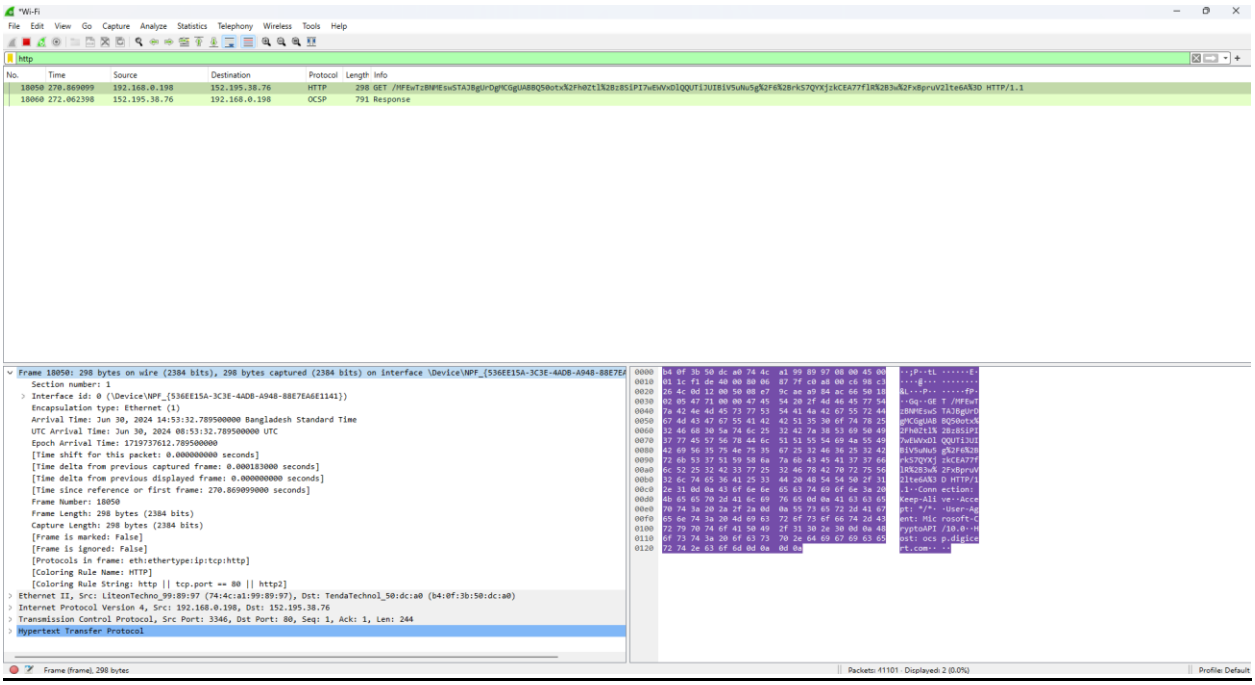
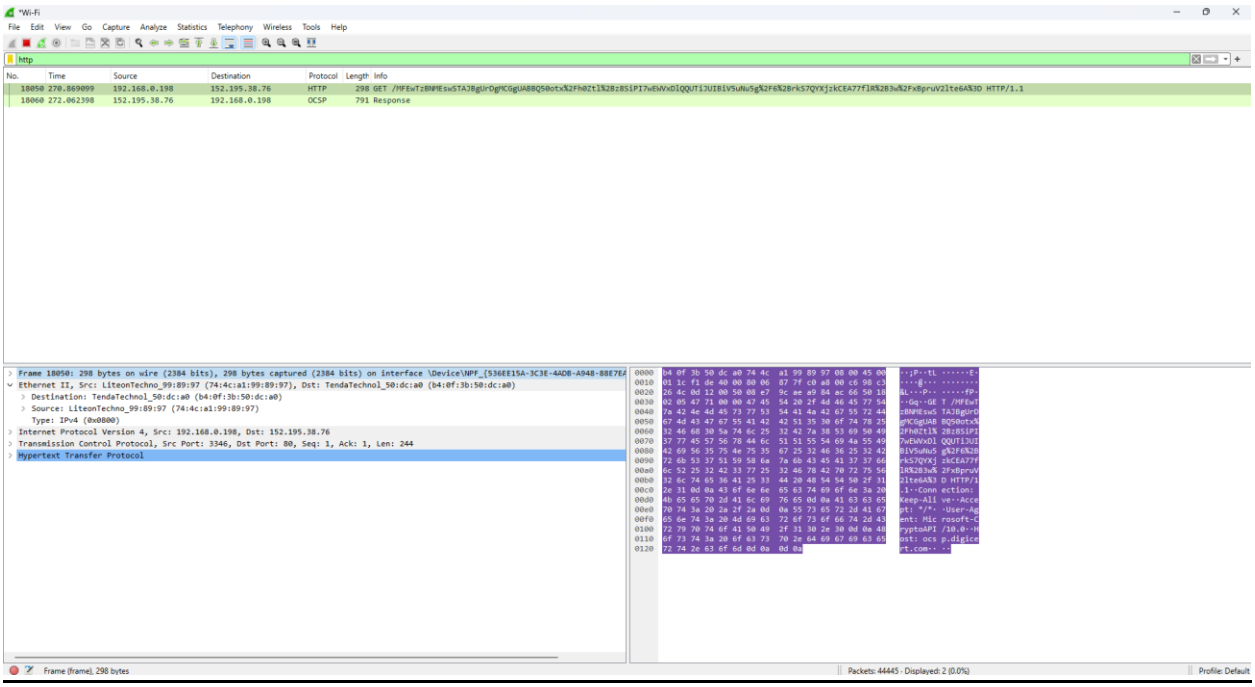
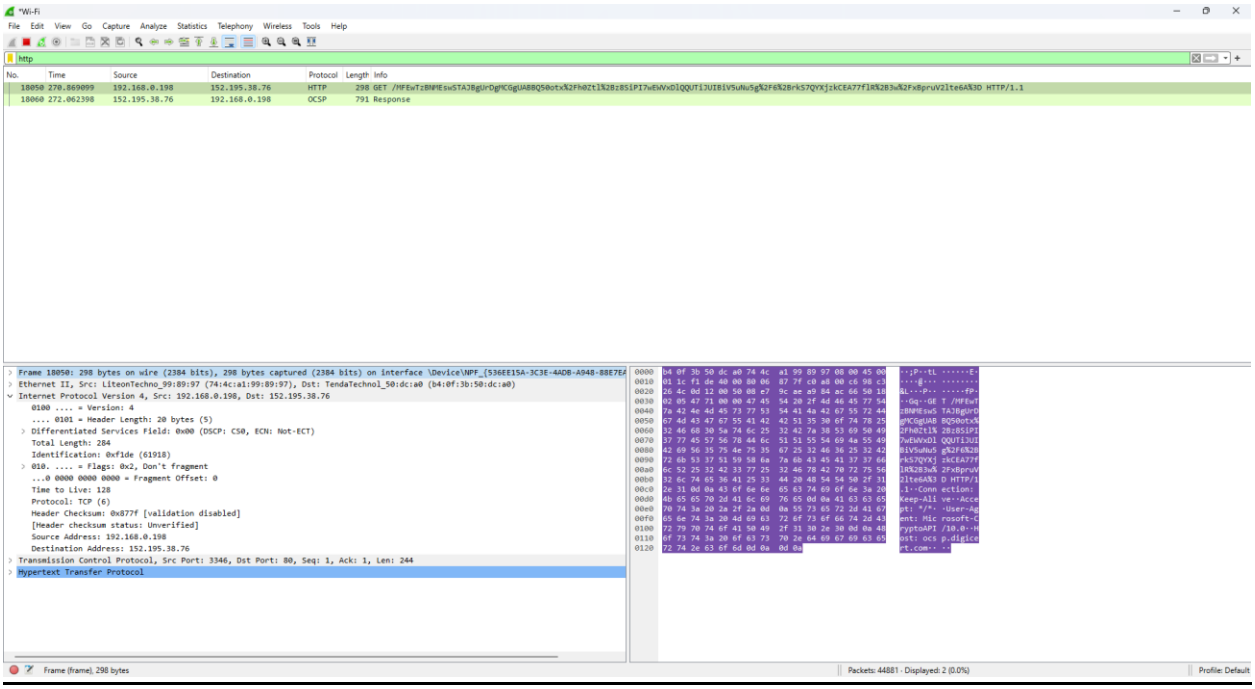
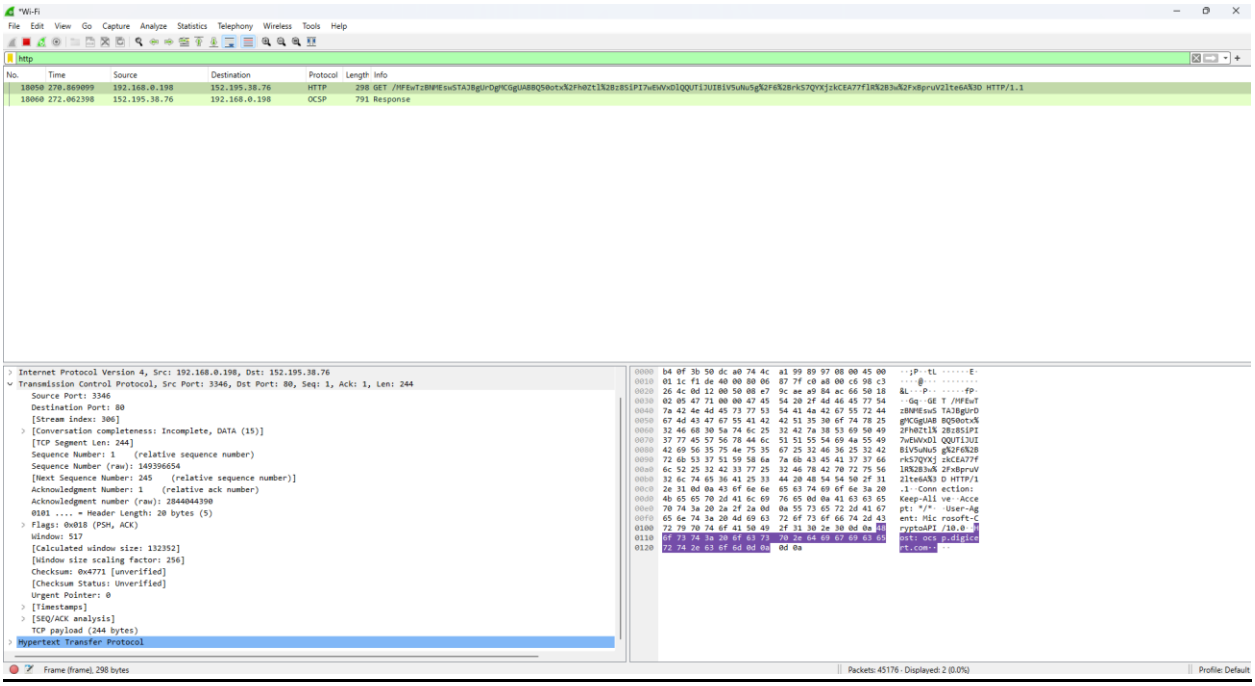
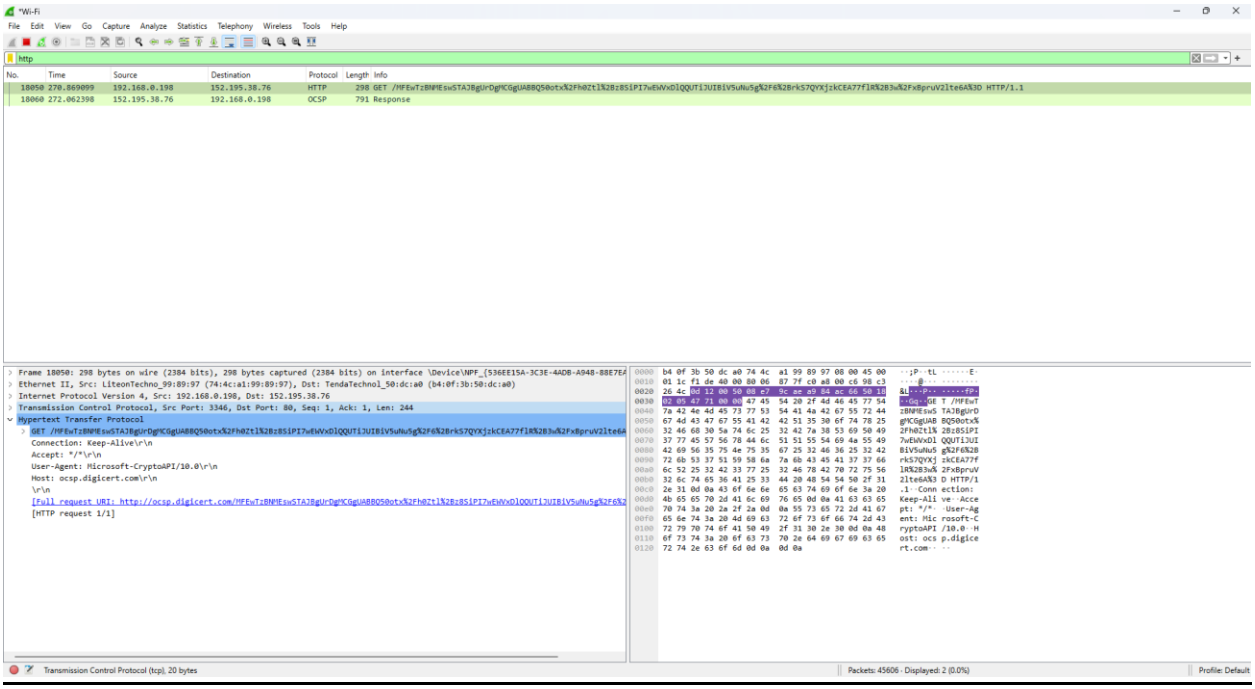
5 layers' protocols' headers for a request packet






*Wi-Fi
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
http
No. Time Source Destination Protocol Length Info
18050 270.869099 192.168.0.198 152.195.38.76 HTTP 298 GET /MFEwTzBNMEswSTAJBgUrDgMCGgUABBQ50otx%2Fh0Ztl%2Bz8SiPI7wEWVxDlQQUTiJUIBiV5uNu5g%2F6%2Brk57QYXjzkCEA77fl0%2B3w%2Fx8pruV21te6A%3D HTTP/1.1
18060 272.062398 152.195.38.76 192.168.0.198 OCSP 791 Response
Frame 18050: 298 bytes on wire (2384 bits), 298 bytes captured (2384 bits) on interface \Device\NPF_{536EE15A-3C3E-4ADB-A948-88E7E
Ethernet II, Src: LiteonTechno_99:89:97 (74:4c:a1:99:89:97), Dst: TendaTechnol_50:dc:a0 (b4:0f:3b:50:dc:a0)
Internet Protocol Version 4, Src: 192.168.0.198, Dst: 152.195.38.76
0100 .... = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
Total Length: 284
Identification: 0xf1de (61918)
010. .... = Flags: 0x2, Don't fragment
...0 0000 0000 0000 = Fragment Offset: 0
Time to Live: 128
Protocol: TCP (6)
Header Checksum: 0x877f [validation disabled]
[Header checksum status: Unverified]
Source Address: 192.168.0.198
Destination Address: 152.195.38.76
Transmission Control Protocol, Src Port: 3346, Dst Port: 80, Seq: 1, Ack: 1, Len: 244
Hypertext Transfer Protocol
Frame (frame), 298 bytes
Packets: 44881 · Displayed: 2 (0.0%)
Profile: Default


*Wi-Fi
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
http
No. Time Source Destination Protocol Length Info
18050 270.869099 192.168.0.198 152.195.38.76 HTTP 298 GET /MFEwTzBNMEswSTAJBgUrDgMCGgUABBQ50otx%2Fh0Ztl%2Bz8SiPI7wEWVxDlQQUTiJUIBiV5uNu5g%2F6%2Brk57QYXjzkCEA77fl0%2B3w%2Fx8pruV21te6A%3D HTTP/1.1
18060 272.062398 152.195.38.76 192.168.0.198 OCSP 791 Response
Internet Protocol Version 4, Src: 192.168.0.198, Dst: 152.195.38.76
Transmission Control Protocol, Src Port: 3346, Dst Port: 80, Seq: 1, Ack: 1, Len: 244
Source Port: 3346
Destination Port: 80
[Stream index: 306]
[Conversation completeness: Incomplete, DATA (15)]
[TCP Segment Len: 244]
Sequence Number: 1 (relative sequence number)
Sequence Number (raw): 149396654
[Next Sequence Number: 245 (relative sequence number)]
Acknowledgment Number: 1 (relative ack number)
Acknowledgment number (raw): 2844044390
0101 .... = Header Length: 20 bytes (5)
Flags: 0x018 (PSH, ACK)
Window: 517
[Calculated window size: 132352]
[Window size scaling factor: 256]
Checksum: 0x4771 [unverified]
[Checksum Status: Unverified]
Urgent Pointer: 0
[Timestamps]
[SEQ/ACK analysis]
TCP payload (244 bytes)
Hypertext Transfer Protocol
Frame (frame), 298 bytes
Packets: 45176 · Displayed: 2 (0.0%)
Profile: Default



Host: Host header specifies the server's domain. It helps the server route the request to the appropriate web application based on the domain name provided.

Accept-Language: It indicates the client's preferred language. It allows web servers to deliver content that matches the user's language preferences if available.

User Agent: Describes and contains information about the client. This information helps web servers optimize content delivery for different client types.

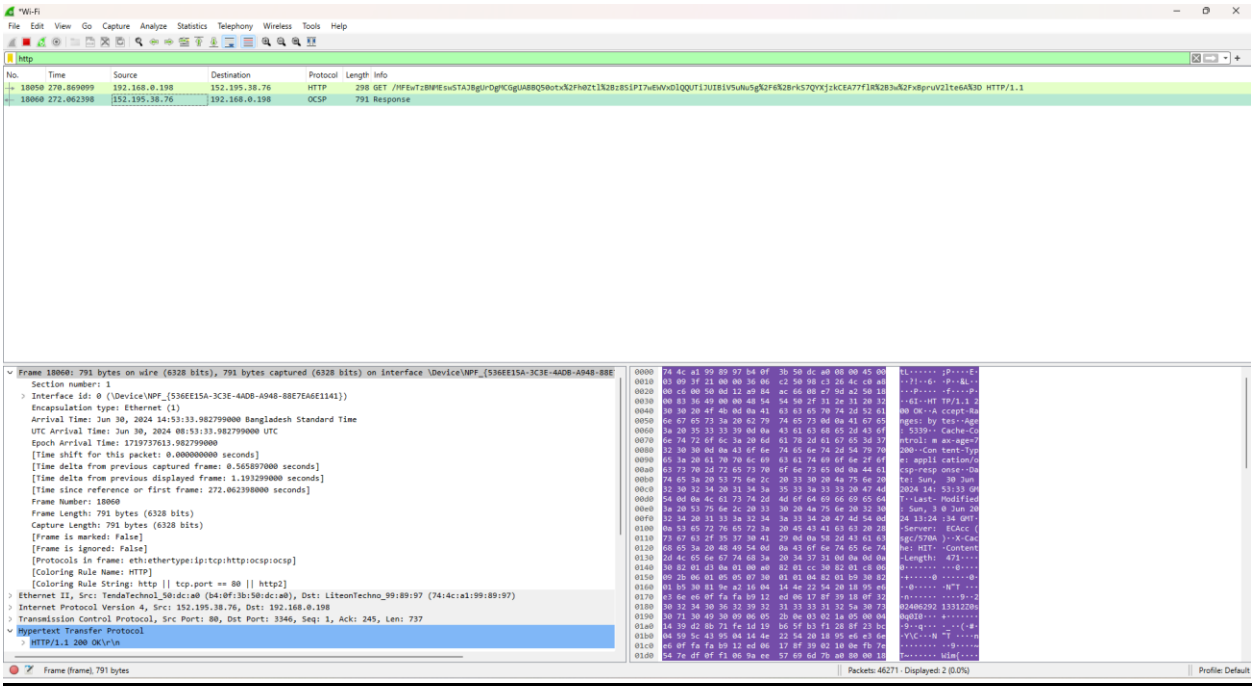
Upgrade-Insecure-Requests: signals a preference for secure connections. It helps enhance security and privacy by requesting secure connections.

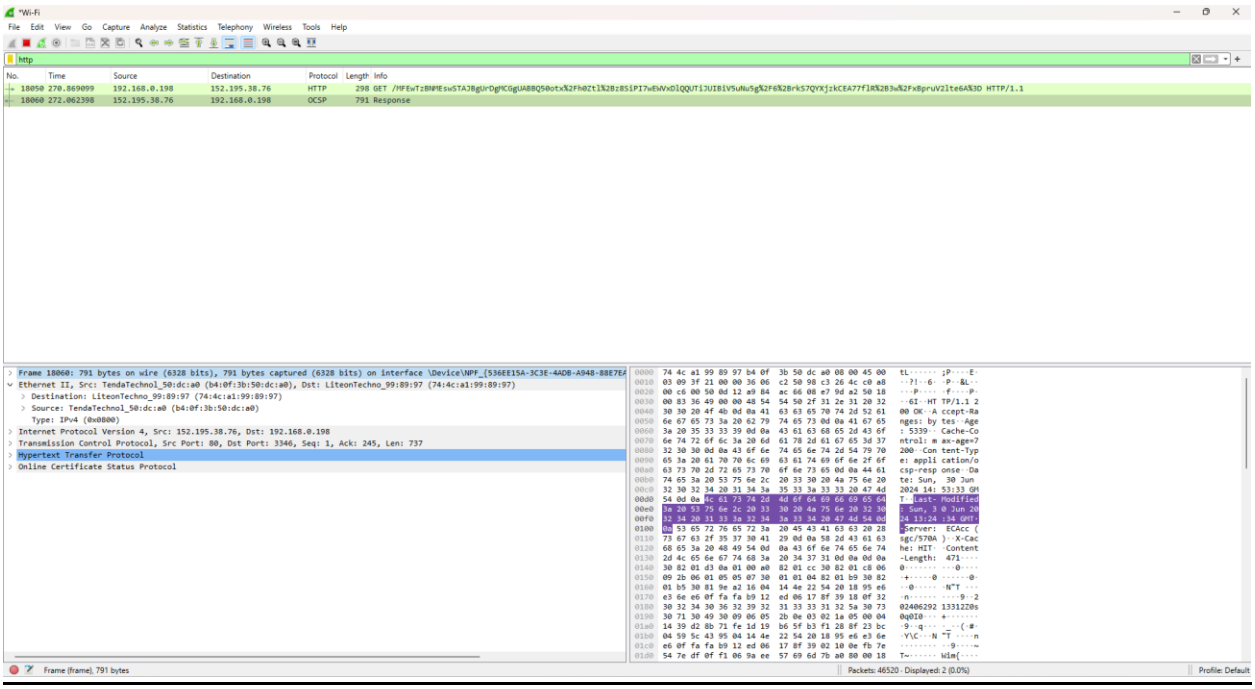
Method: Defines the HTTP action. Like the GET method, Post method etc.

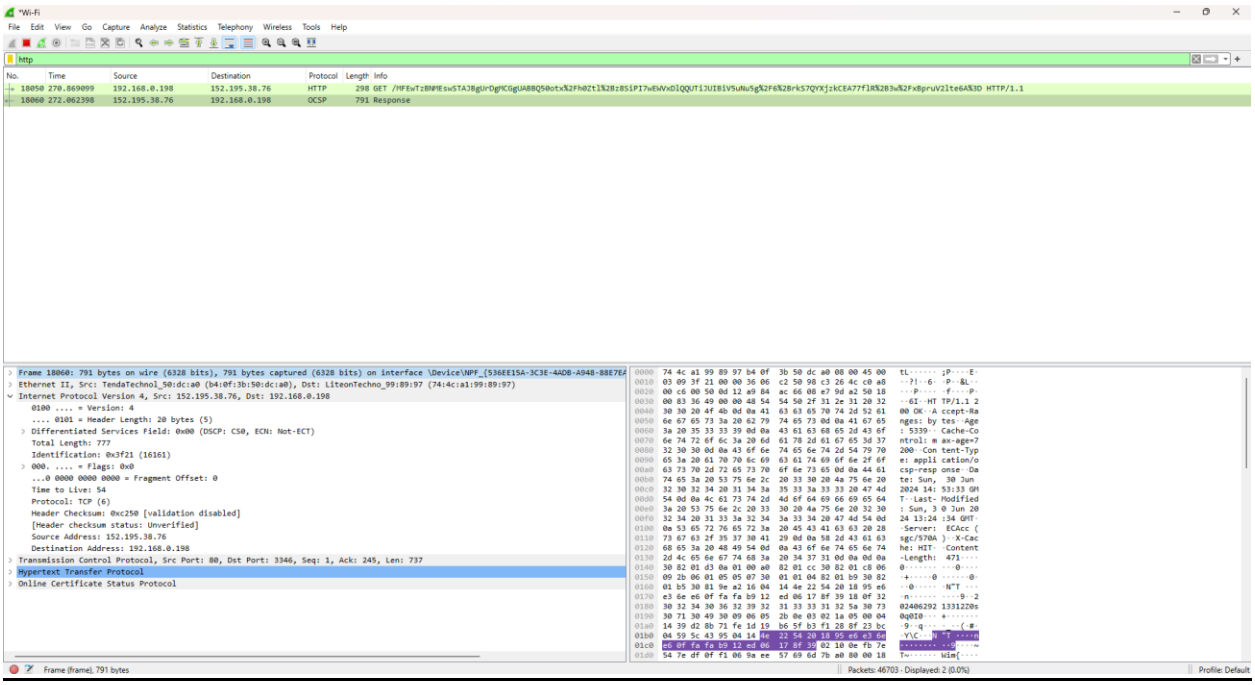
Connection: Controls network behavior. It helps enhance security and privacy by requesting secure connections.

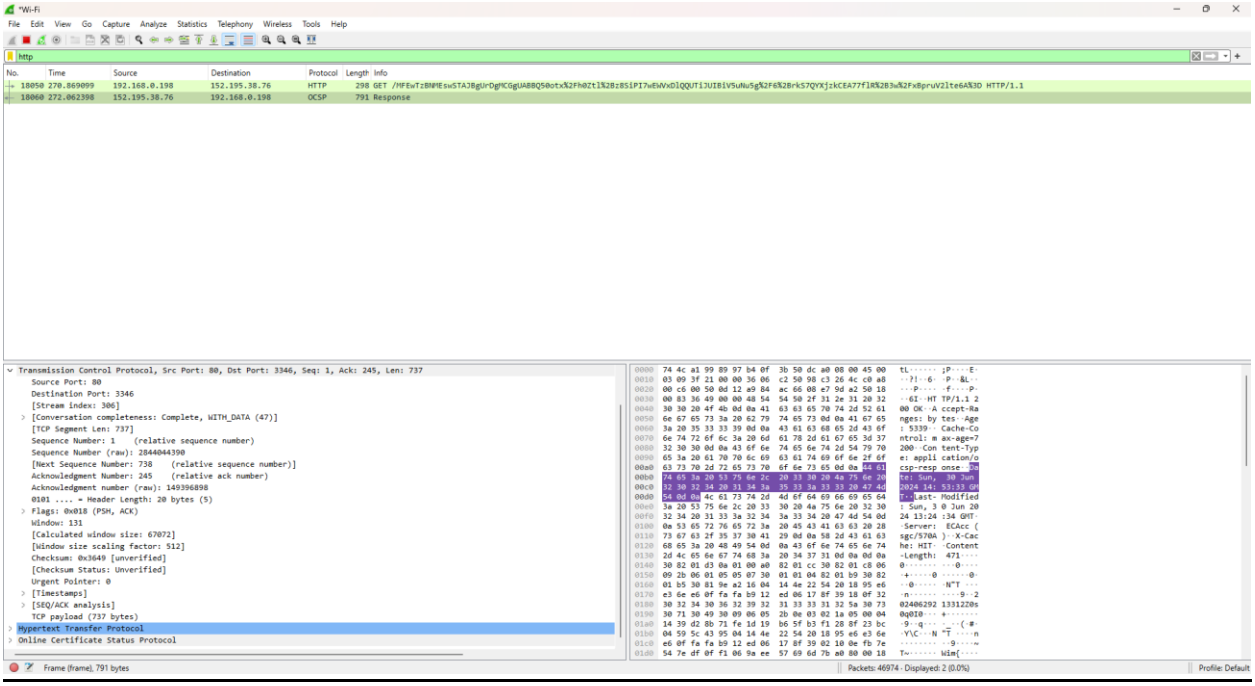
Accept-Encoding: lists supported content encoding methods in HTTP communication. This allows web servers to compress data before transmission, reducing bandwidth usage and improving page loading speed if the server and client both support the same encoding methods, such as gzip or deflate.

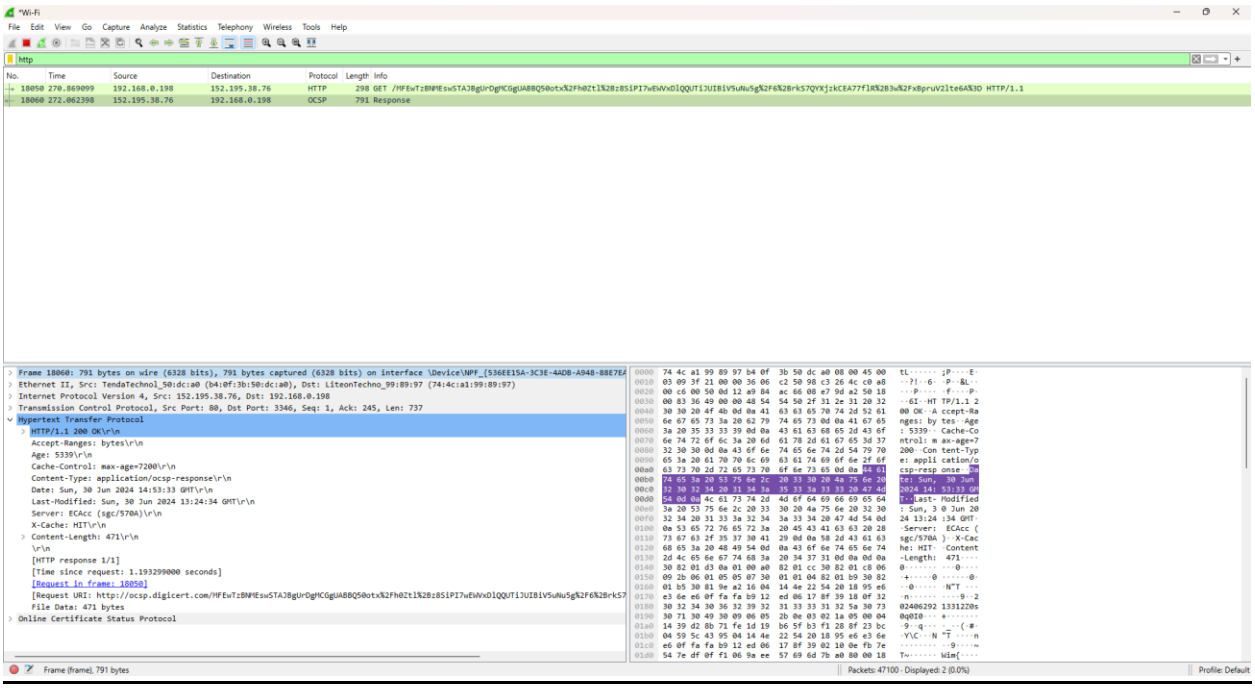
5 layers' protocols' headers for a response packet

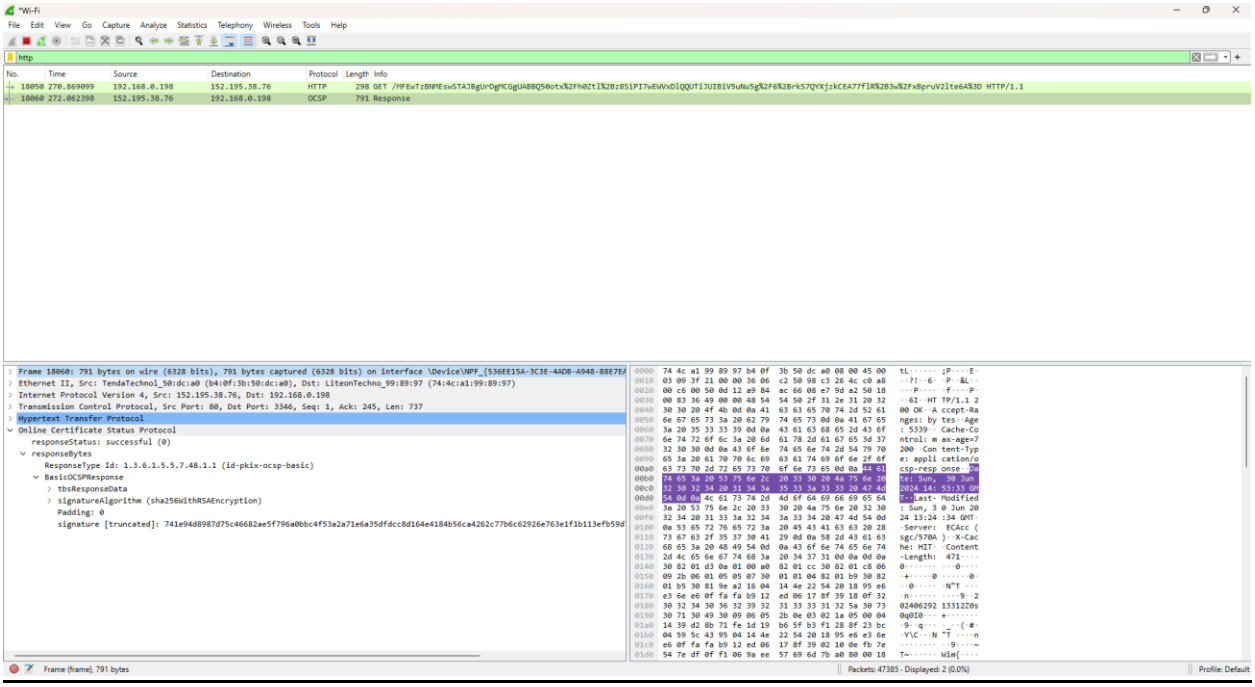





*Wi-Fi
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
http
No. Time Source Destination Protocol Length Info
18050 270.869099 192.168.0.198 152.195.38.76 HTTP 298 GET /MFEwTzBNMEswSTAJBgUrDgMCGgUABBQ50otx%2Fh0Ztl%2BzBSiPI7wEWVxDlQQUTiJUIBiV5uNu5g%2F6%2Brk57QYXjzkCEA77fl0%2B3w%2Fx8pruV2lte6A%3D HTTP/1.1
18060 272.062398 152.195.38.76 192.168.0.198 OCSP 791 Response
Frame 18060: 791 bytes on wire (6328 bits), 791 bytes captured (6328 bits) on interface \Device\NPF_{536EE15A-3C3E-4ADB-A948-88E7E
Ethernet II, Src: TendaTechnol_50:dc:a0 (b4:0f:3b:50:dc:a0), Dst: LiteonTechno_99:89:97 (74:4c:a1:99:89:97)
Internet Protocol Version 4, Src: 152.195.38.76, Dst: 192.168.0.198
0100 .... = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
Total Length: 777
Identification: 0x3f21 (16161)
000. .... = Flags: 0x0
...0 0000 0000 0000 = Fragment Offset: 0
Time to Live: 54
Protocol: TCP (6)
Header Checksum: 0xc250 [validation disabled]
[Header checksum status: Unverified]
Source Address: 152.195.38.76
Destination Address: 192.168.0.198
Transmission Control Protocol, Src Port: 80, Dst Port: 3346, Seq: 1, Ack: 245, Len: 737
Hypertext Transfer Protocol
Online Certificate Status Protocol
Frame (frame), 791 bytes
Packets: 46703 · Displayed: 2 (0.0%)
Profile: Default


*Wi-Fi
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
http
No. Time Source Destination Protocol Length Info
18050 270.869099 192.168.0.198 152.195.38.76 HTTP 298 GET /MFEwTzBNMEswSTAJBgUrDgMCGgUABBQ50otx%2Fh0Ztl%2BzBSiPI7wEWVxDlQQUTiJUIBiV5uNu5g%2F6%2Brk57QYXjzkCEA77fl0%2B3w%2Fx8pruV2lte6A%3D HTTP/1.1
18060 272.062398 152.195.38.76 192.168.0.198 OCSP 791 Response
Transmission Control Protocol, Src Port: 80, Dst Port: 3346, Seq: 1, Ack: 245, Len: 737
Source Port: 80
Destination Port: 3346
[Stream index: 306]
[Conversation completeness: Complete, WITH_DATA (47)]
[TCP Segment Len: 737]
Sequence Number: 1 (relative sequence number)
Sequence Number (raw): 2844044390
[Next Sequence Number: 738 (relative sequence number)]
Acknowledgment Number: 245 (relative ack number)
Acknowledgment number (raw): 149396898
0101 .... = Header Length: 20 bytes (5)
Flags: 0x018 (PSH, ACK)
Window: 131
[Calculated window size: 67072]
[Window size scaling factor: 512]
Checksum: 0x3649 [unverified]
[Checksum Status: Unverified]
Urgent Pointer: 0
[Timestamps]
[SEQ/ACK analysis]
TCP payload (737 bytes)
Hypertext Transfer Protocol
Online Certificate Status Protocol
Frame (frame), 791 bytes
Packets: 46974 · Displayed: 2 (0.0%)
Profile: Default





Content-Encoding: Specifies the compression method used for response content.

Date: Indicates the time the response was generated.

Cache-Control: Directs how caching should be handled.

HTTP Version: It denotes the version of the HTTP protocol in use.

Server: Identifies the server software.

Content-Type: Describes the format or media type of the response content, all of which are critical elements for web interaction and data transfer