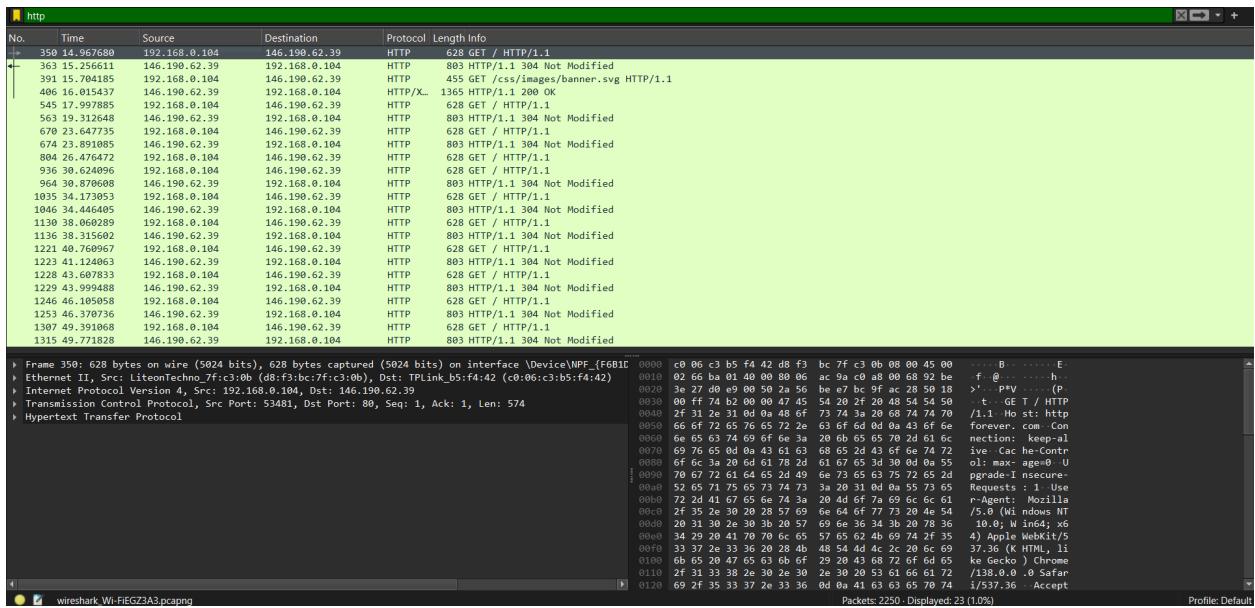
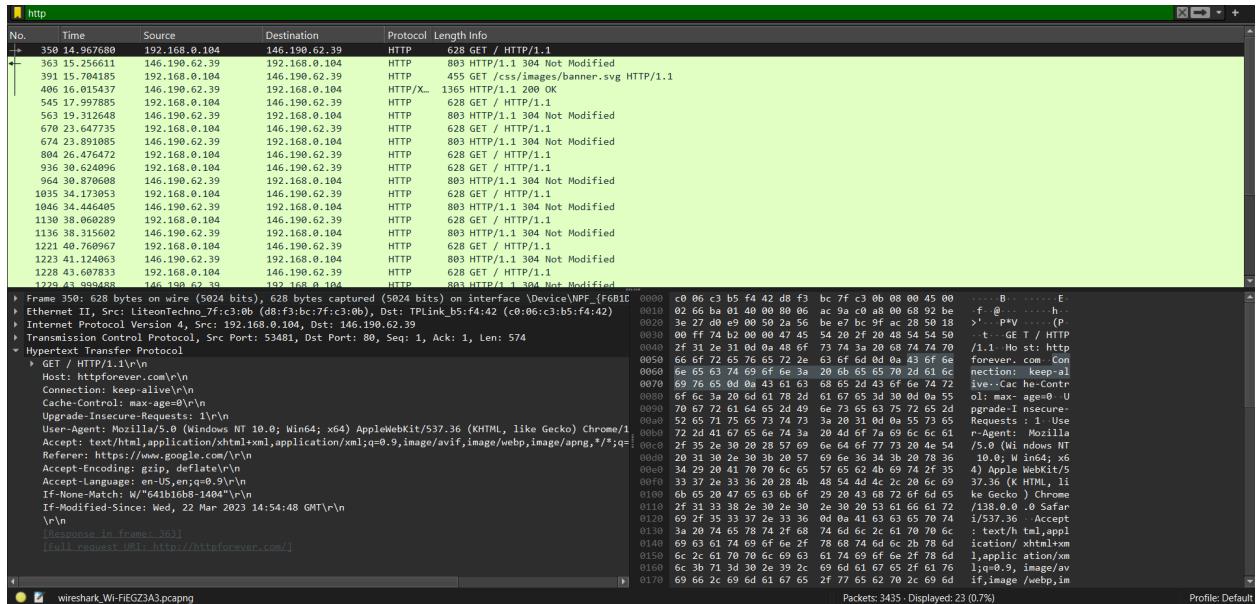


HTTP filter:



Request

• Hypertext Transfer Protocol:



This is the application layer. Here is where the web browser creates the request using HTTP protocol. The request usually contains GET or POST methods, and also includes headers like Host, User-agent, Accept. These headers indicate to the server which page is requested, the type of device or browser making the request, and the kind of content the client is capable of processing. This layer concentrates on structuring and understanding the content intended for the user.

The first line is the request line, the rest is header lines till \r\n. GET primarily gets information only and retrieves data.

● Transmission Control Protocol:

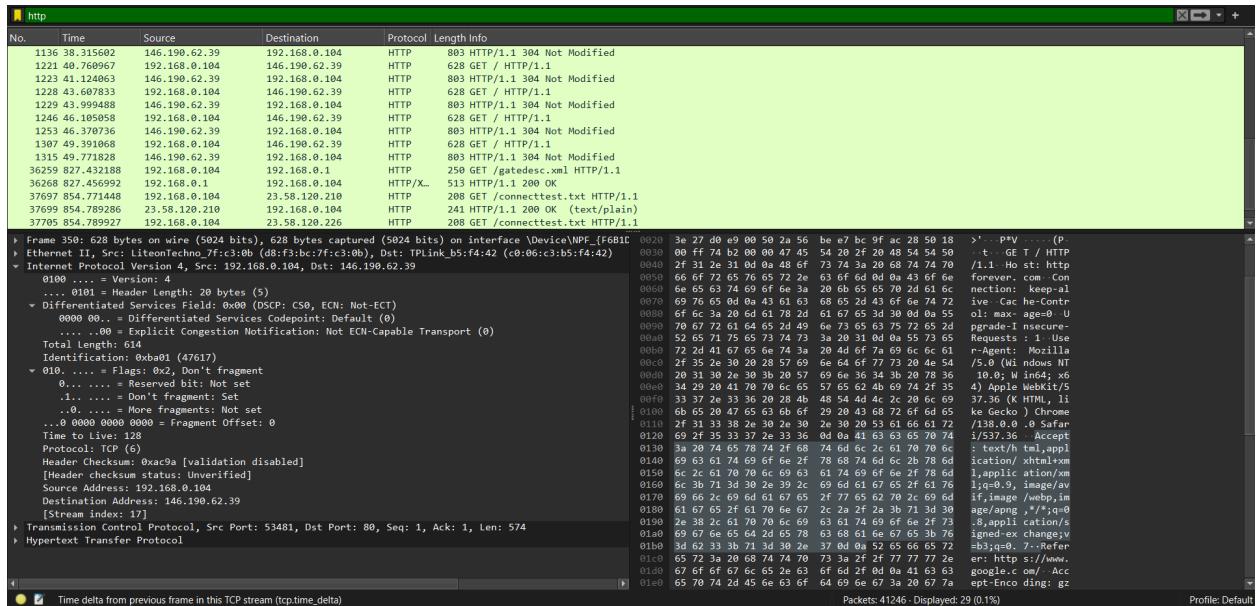
| No. | Time | Source | Destination | Protocol | Length Info |
|------------------|---------------|---------------|-------------|----------|-------------------------------|
| 1136 38.315692 | 146.190.62.39 | 192.168.0.104 | HTTP | 803 | HTTP/1.1 304 Not Modified |
| 1221 40.760967 | 192.168.0.104 | 146.190.62.39 | HTTP | 628 | GET / HTTP/1.1 |
| 1223 41.124063 | 146.190.62.39 | 192.168.0.104 | HTTP | 803 | HTTP/1.1 304 Not Modified |
| 1228 43.607833 | 192.168.0.104 | 146.190.62.39 | HTTP | 628 | GET / HTTP/1.1 |
| 1229 43.999488 | 146.190.62.39 | 192.168.0.104 | HTTP | 803 | HTTP/1.1 304 Not Modified |
| 1246 46.105058 | 146.190.62.39 | 146.190.62.39 | HTTP | 628 | GET / HTTP/1.1 |
| 1253 46.370736 | 146.190.62.39 | 192.168.0.104 | HTTP | 803 | HTTP/1.1 304 Not Modified |
| 1307 49.391068 | 192.168.0.104 | 146.190.62.39 | HTTP | 628 | GET / HTTP/1.1 |
| 1315 49.771828 | 146.190.62.39 | 192.168.0.104 | HTTP | 803 | HTTP/1.1 304 Not Modified |
| 36259 827.432188 | 192.168.0.104 | 192.168.0.1 | HTTP | 250 | GET /gatedesc.xml HTTP/1.1 |
| 36268 827.432092 | 192.168.0.104 | 192.168.0.104 | HTTP/X- | 513 | HTTP/1.1 200 OK |
| 37697 854.771448 | 192.168.0.104 | 23.58.120.210 | HTTP | 208 | GET /connecttest.txt HTTP/1.1 |
| 37699 854.789286 | 23.58.120.210 | 192.168.0.104 | HTTP | 241 | HTTP/1.1 200 OK (text/plain) |
| 37705 854.789927 | 192.168.0.104 | 23.58.120.226 | HTTP | 288 | GET /connecttest.txt HTTP/1.1 |

| No. | Time | Source | Destination | Protocol | Length Info |
|------------------|---------------|---------------|-------------|----------|-------------------------------|
| 1136 38.315692 | 146.190.62.39 | 192.168.0.104 | HTTP | 803 | HTTP/1.1 304 Not Modified |
| 1221 40.760967 | 192.168.0.104 | 146.190.62.39 | HTTP | 628 | GET / HTTP/1.1 |
| 1223 41.124063 | 146.190.62.39 | 192.168.0.104 | HTTP | 803 | HTTP/1.1 304 Not Modified |
| 1228 43.607833 | 192.168.0.104 | 146.190.62.39 | HTTP | 628 | GET / HTTP/1.1 |
| 1229 43.999488 | 146.190.62.39 | 192.168.0.104 | HTTP | 803 | HTTP/1.1 304 Not Modified |
| 1246 46.105058 | 146.190.62.39 | 146.190.62.39 | HTTP | 628 | GET / HTTP/1.1 |
| 1253 46.370736 | 146.190.62.39 | 192.168.0.104 | HTTP | 803 | HTTP/1.1 304 Not Modified |
| 1307 49.391068 | 192.168.0.104 | 146.190.62.39 | HTTP | 628 | GET / HTTP/1.1 |
| 1315 49.771828 | 146.190.62.39 | 192.168.0.104 | HTTP | 803 | HTTP/1.1 304 Not Modified |
| 36259 827.432188 | 192.168.0.104 | 192.168.0.1 | HTTP | 250 | GET /gatedesc.xml HTTP/1.1 |
| 36268 827.432092 | 192.168.0.104 | 192.168.0.104 | HTTP/X- | 513 | HTTP/1.1 200 OK |
| 37697 854.771448 | 192.168.0.104 | 23.58.120.210 | HTTP | 208 | GET /connecttest.txt HTTP/1.1 |
| 37699 854.789286 | 23.58.120.210 | 192.168.0.104 | HTTP | 241 | HTTP/1.1 200 OK (text/plain) |
| 37705 854.789927 | 192.168.0.104 | 23.58.120.226 | HTTP | 288 | GET /connecttest.txt HTTP/1.1 |

This is the transport layer, which is where TCP is used. This layer processes the HTTP request and divides it into smaller parts, also including source and destination port numbers (80 is used for HTTP). TCP ensures that all data segments reach their destination in the proper sequence regardless of the varied routes they may take to the server.

Here source port = 53481 and destination port = 80

- **Internet Protocol:**



This is the network layer where IP addresses are in control. It includes IP addresses of both sender and destination in the packet, which is crucial for routing across the network. This layer doesn't care about the data, rather just focuses on its destination and ways of reaching the destination.

This is IPv4. Here, source = 192.168.0.104 and destination = 146.190.62.39

- **Ethernet:**

| No. | Time | Source | Destination | Protocol | Length Info |
|--|------------|---------------|---------------|------------|-----------------------------------|
| 1136 | 38.315692 | 146.190.62.39 | 192.168.0.104 | HTTP | 803 HTTP/1.1 304 Not Modified |
| 1221 | 40.76967 | 192.168.0.104 | 146.190.62.39 | HTTP | 628 GET / HTTP/1.1 |
| 1223 | 41.124063 | 146.190.62.39 | 192.168.0.104 | HTTP | 803 HTTP/1.1 304 Not Modified |
| 1228 | 43.607833 | 192.168.0.104 | 146.190.62.39 | HTTP | 628 GET / HTTP/1.1 |
| 1229 | 43.999488 | 146.190.62.39 | 192.168.0.104 | HTTP | 803 HTTP/1.1 304 Not Modified |
| 1246 | 44.105958 | 192.168.0.104 | 146.190.62.39 | HTTP | 628 GET / HTTP/1.1 |
| 1253 | 46.370736 | 146.190.62.39 | 192.168.0.104 | HTTP | 803 HTTP/1.1 304 Not Modified |
| 1307 | 49.391068 | 192.168.0.104 | 146.190.62.39 | HTTP | 628 GET / HTTP/1.1 |
| 1315 | 49.771828 | 146.190.62.39 | 192.168.0.104 | HTTP | 803 HTTP/1.1 304 Not Modified |
| 36259 | 827.432188 | 192.168.0.104 | 192.168.0.1 | HTTP | 250 GET /gatedesc.xml HTTP/1.1 |
| 36268 | 827.456992 | 192.168.0.1 | 192.168.0.104 | HTTP/X-... | 513 HTTP/1.1 200 OK |
| 37697 | 854.700448 | 192.168.0.104 | 23.58.120.210 | HTTP | 200 GET /connecttest.txt HTTP/1.1 |
| 37699 | 854.700948 | 23.58.120.210 | 192.168.0.104 | HTTP | 201 HTTP/1.1 200 OK. (text/plain) |
| 37705 | 854.789927 | 192.168.0.104 | 23.58.120.226 | HTTP | 200 GET /connecttest.txt HTTP/1.1 |
| ► Frame 350: 628 bytes on wire (5024 bits), 628 bytes captured (5024 bits) on interface 'DeviceNPF_{F60B}' [0x0] | | | | | |
| ► Ethernet II, Src: LiteonTechno_7f:c3:0b (d8:f3:bc:7f:c3:0b), Dst: TP-Link_b5:f4:42 (c0:06:c3:b5:f4:42) | | | | | |
| ▼ Destination: TP-Link_b5:f4:42 (c0:06:c3:b5:f4:42) | | | | | |
|0..... = Lc bit: Globally unique address (factory default) | | | | | |
|0..... = Ig bit: Individual address (unicast) | | | | | |
| ▼ Source: LiteonTechno_7f:c3:0b (d8:f3:bc:7f:c3:0b) | | | | | |
|0..... = Lc bit: Globally unique address (factory default) | | | | | |
|0..... = Ig bit: Individual address (unicast) | | | | | |
| Type: IPv4 (0x0800) | | | | | |
| [Stream index: 0] | | | | | |
| ► Internet Protocol Version 4, Src: 192.168.0.104, Dst: 146.190.62.39 | | | | | |
| ► Transmission Control Protocol, Src Port: 53481, Dst Port: 80, Seq: 1, Ack: 1, Len: 574 | | | | | |
| ► Hypertext Transfer Protocol | | | | | |
| 0e 27 d0 e9 00 50 2a 56 b4 e7 bc 9f ac 28 50 18 > P*V ... (P | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 72 65 0d 0e 65 72 65 63 65 6d 0d 0a 43 6f t -t E G T / HTTP | | | | | |
| 0e 65 | | | | | |

The data link layer employs ethernet for managing local transmission. This layer includes physical addresses, referred as MAC addresses, in the packet to enable it to travel from the user end device to the next device on the local network, like router or switch. It functions within LAN making sure the packet arrives at the correct device nearby.

- **Frame:**

| No. | Time | Source | Destination | Protocol | Length | Info |
|---|---------------|---------------|-------------|----------|--------|-----------------------------------|
| 1136 38.315602 | 146.190.62.39 | 192.168.0.104 | | HTTP | 803 | HTTP/1.1 304 Not Modified |
| 1228 41.124093 | 146.190.62.39 | 192.168.0.104 | | HTTP | 628 | GET / HTTP/1.1 |
| 1228 43.607833 | 146.190.62.39 | 192.168.0.104 | | HTTP | 803 | HTTP/1.1 304 Not Modified |
| 1229 43.999488 | 146.190.62.39 | 192.168.0.104 | | HTTP | 628 | GET / HTTP/1.1 |
| 1246 46.105058 | 146.190.62.39 | 192.168.0.104 | | HTTP | 803 | HTTP/1.1 304 Not Modified |
| 1253 46.370736 | 146.190.62.39 | 192.168.0.104 | | HTTP | 803 | HTTP/1.1 304 Not Modified |
| 1307 49.391068 | 146.190.62.39 | 192.168.0.104 | | HTTP | 628 | GET / HTTP/1.1 |
| 1315 49.771828 | 146.190.62.39 | 192.168.0.104 | | HTTP | 803 | HTTP/1.1 304 Not Modified |
| 36259 827.432188 | 146.190.62.39 | 192.168.0.1 | | HTTP | 250 | GET /gatedesc.xml HTTP/1.1 |
| 36268 827.456992 | 146.190.62.39 | 192.168.0.104 | | HTTP/X- | 513 | HTTP/1.1 200 OK |
| 37697 854.771448 | 192.168.0.104 | 23.58.120.210 | | HTTP | 208 | GET /connecttest.txt HTTP/1.1 |
| 37698 854.789286 | 192.168.0.104 | 23.58.120.210 | | HTTP | 241 | HTTP/1.1 200 OK (text/plain) |
| 37705 854.789927 | 192.168.0.104 | 23.58.120.226 | | HTTP | 208 | GET /connecttest.txt HTTP/1.1 |
| ▼ Frame 356: 628 bytes on wire (5024 bits), 628 bytes captured (5024 bits) on interface \Device\NPF_{F6801DEA1-A718-4F56-8205-22C18516D183} | | | | | | |
| Section number: 1 | | | | | 0020 | 3e 27 d0 e9 00 50 2a 56 |
| Interface id: 0 (\Device\NPF_{F6801DEA1-A718-4F56-8205-22C18516D183}) | | | | | 0030 | 00 ff 74 b2 00 00 47 45 |
| Interface name: \Device\NPF_{F6801DEA1-A718-4F56-8205-22C18516D183} | | | | | 0040 | 2f 31 2e 31 0d 0a 48 6f |
| Interface description: Wi-Fi | | | | | 0050 | 73 74 3a 20 68 74 74 70 |
| Encapsulation type: Ethernet (1) | | | | | 0060 | /1.1-Ho st: http forever. com Con |
| Arrival Time: Aug 6, 2023, 12:24:30.707541000 Bangladesh Standard Time | | | | | 0070 | 65 66 67 68 69 6a 6b 6c |
| UTR Arrival Time: Aug 6, 2023, 15:24:30.707541000 UTC | | | | | 0080 | 69 76 65 0d 0a 43 61 63 |
| Epoch Arrival Time: 1754493870.707541000 | | | | | 0090 | 68 65 2d 43 6f 6e 74 72 |
| Time shift for this packet: 0.000000000 seconds | | | | | 00a0 | ive Cac ho Com |
| [Time delta from previous captured frame: 0.0005238000 seconds] | | | | | 00b0 | 60 61 62 63 64 65 66 67 |
| [Time delta from previous displayed frame: 0.000000000 seconds] | | | | | 00c0 | Requests : 1 Use |
| [Time delta from previous reference frame: 14.957680000 seconds] | | | | | 00d0 | 72 2d 41 67 65 66 74 73 |
| Frame Number: 350 | | | | | 00e0 | 3a 20 31 0d 0a 55 73 65 |
| Frame Length: 628 bytes (5024 bits) | | | | | 00f0 | r-Agent: Mozilla |
| Capture Length: 628 bytes (5024 bits) | | | | | 0100 | 52 65 72 61 64 65 72 65 |
| [Frame is marked: False] | | | | | 0110 | 2d 49 73 65 63 75 72 65 |
| [Frame is ignored: False] | | | | | 0120 | 2d pgrade-I nsecure |
| [Protocols in frame: eth:etherType:ip:tcp:http] | | | | | 0130 | 72 2f 35 33 2d 30 36 0d |
| [Coloring Rule Name: HTTP] | | | | | 0140 | 0a 41 63 63 65 70 78 |
| Ethernet Rule String: http tcp.port == 80 http2 | | | | | 0150 | :text/h tml,appl |
| Internet Protocol Version 4, Src: 192.168.0.104, Dst: 146.190.62.39 | | | | | 0160 | 69 63 64 74 69 6f 6e 70 |
| Transmission Control Protocol, Src Port: 53481, Dst Port: 80, Seq: 1, Ack: 1, Len: 574 | | | | | 0170 | 78 68 74 6d 6c 70 78 6d |
| Hypertext Transfer Protocol | | | | | 0180 | 77 65 62 70 2c 69 6d |
| | | | | | 0190 | if,image /webp,jm |
| | | | | | 01a0 | 61 67 65 2d 61 67 65 |
| | | | | | 01b0 | 2f 77 65 62 70 2c 69 6d |
| | | | | | 01c0 | age/png,*/*;q=0 |
| | | | | | 01d0 | 63 61 74 69 6f 6e 2f 73 |
| | | | | | 01e0 | ,application/s |
| | | | | | 01f0 | 69 67 6e 65 64 2d 65 78 |
| | | | | | 0200 | 63 68 61 6e 67 65 3b 76 |
| | | | | | 0210 | igned-exchange;v |
| | | | | | 0220 | =b3;q=0. 7 Refer |
| | | | | | 0230 | er: http://www. |
| | | | | | 0240 | google.c om/ Acc |
| | | | | | 0250 | ept-Encoding: gz |
| | | | | | 0260 | |
| | | | | | 0270 | |
| | | | | | 0280 | |
| | | | | | 0290 | |
| | | | | | 0300 | |
| | | | | | 0310 | |
| | | | | | 0320 | |
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Response

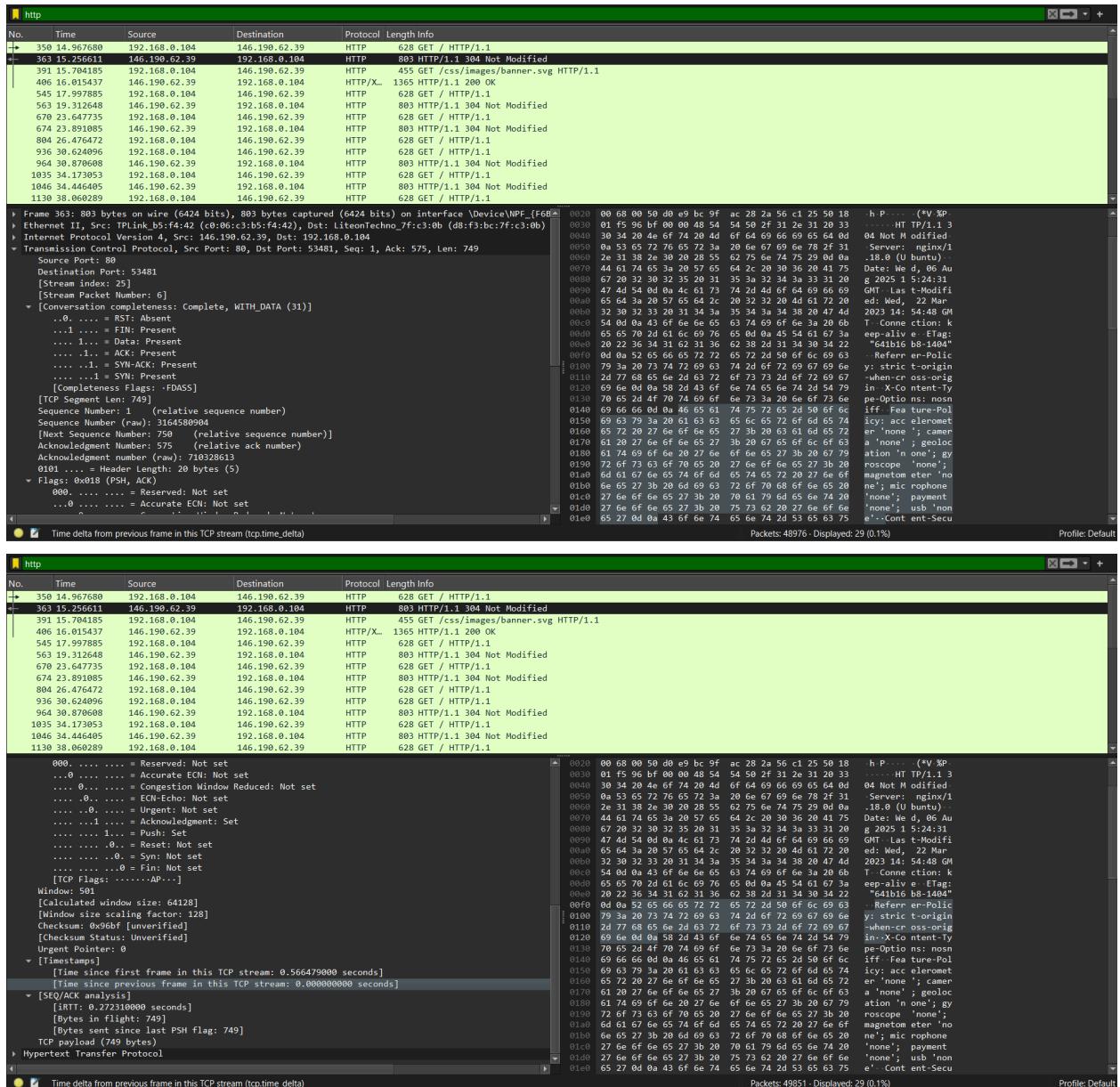
- **Hypertext Transfer Protocol:**

This process operates in reverse. In this case, the server handles the request and returns a reply.

This reply features a status code such as 200 OK and might include a webpage, image, or error message, plus headers like Content-Type, Content-Length, and Date this is the information that the browser will ultimately show.

The first line is status line and the rest is header lines.

● Transmission Control Protocol:

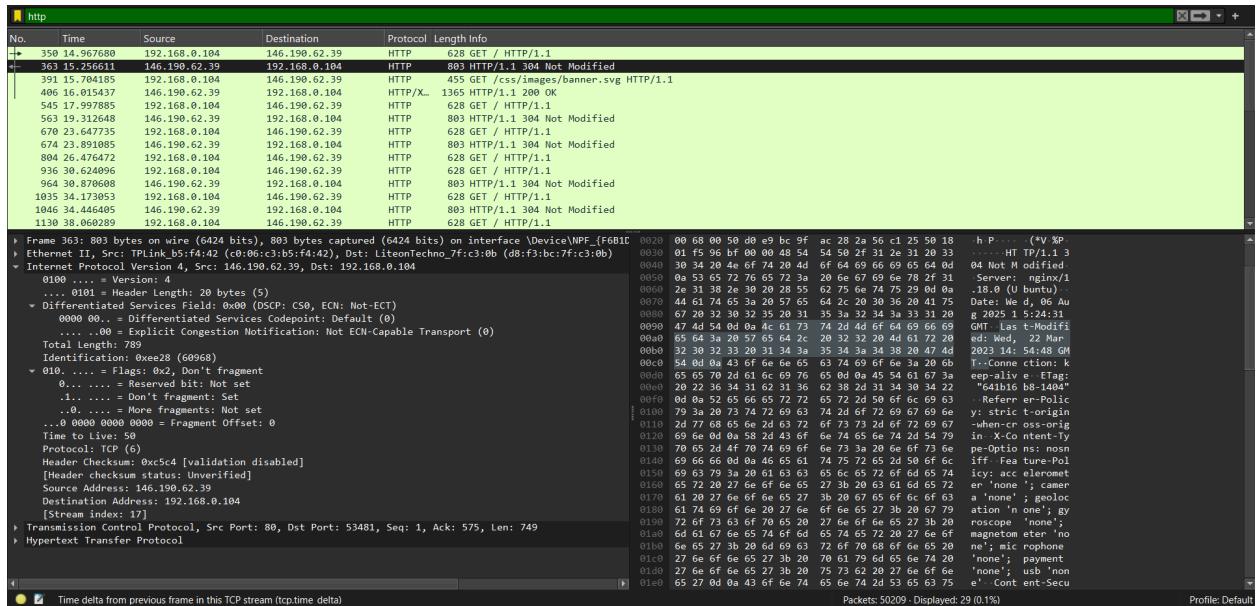


TCP ensures that the server response is broken into segments, labelled correctly, and delivered

reliably back to the client. The port numbers are reversed now the server port 80 becomes the source and the client's temporary port becomes the destination.

Here, source port= 80 and destination port = 53481

- **Internet Protocol:**



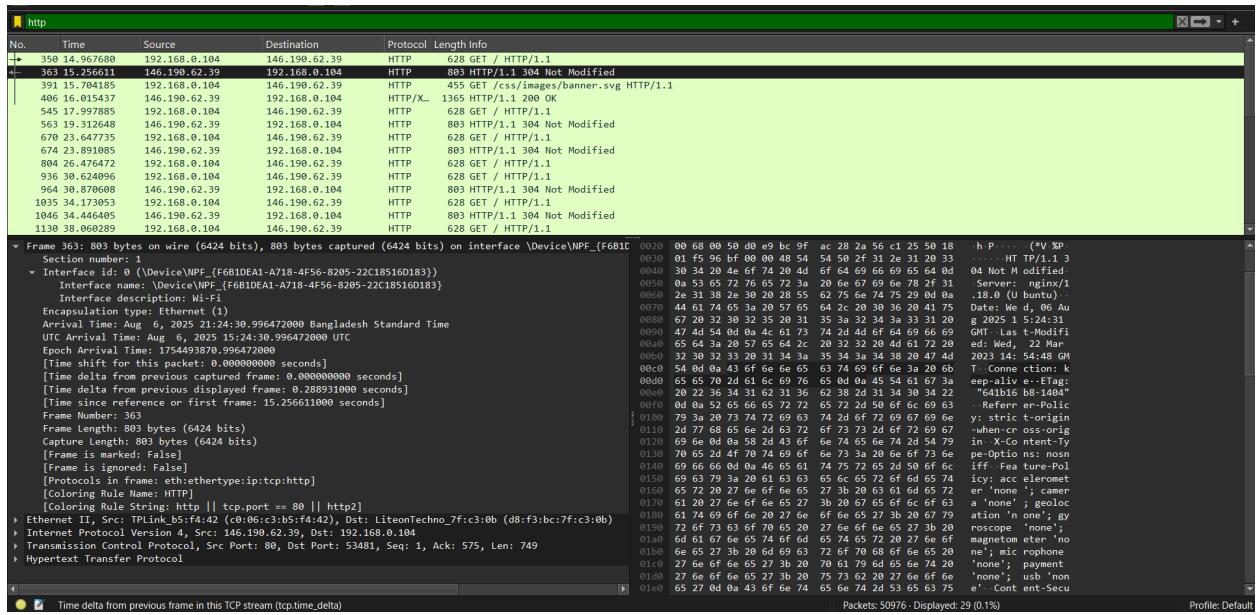
It assigns the server's IP as the source and the client's IP as the destination. The response packet travels across the internet back to the user's end device based on these addresses.

Here, source = 146.190.62.39 and destination = 192.168.0.104

- **Ethernet:**

The data link layer adds the MAC addresses required to transmit the response data across the local network, transporting it from the server's network interface to the router and eventually to the client.

- **Frame:**



The physical layer transforms the data into physical signals and sends them through the internet connection to arrive at the client. Upon receipt, the client side declares to unwrap the data in a reverse sequence until the browser is able to render the response.