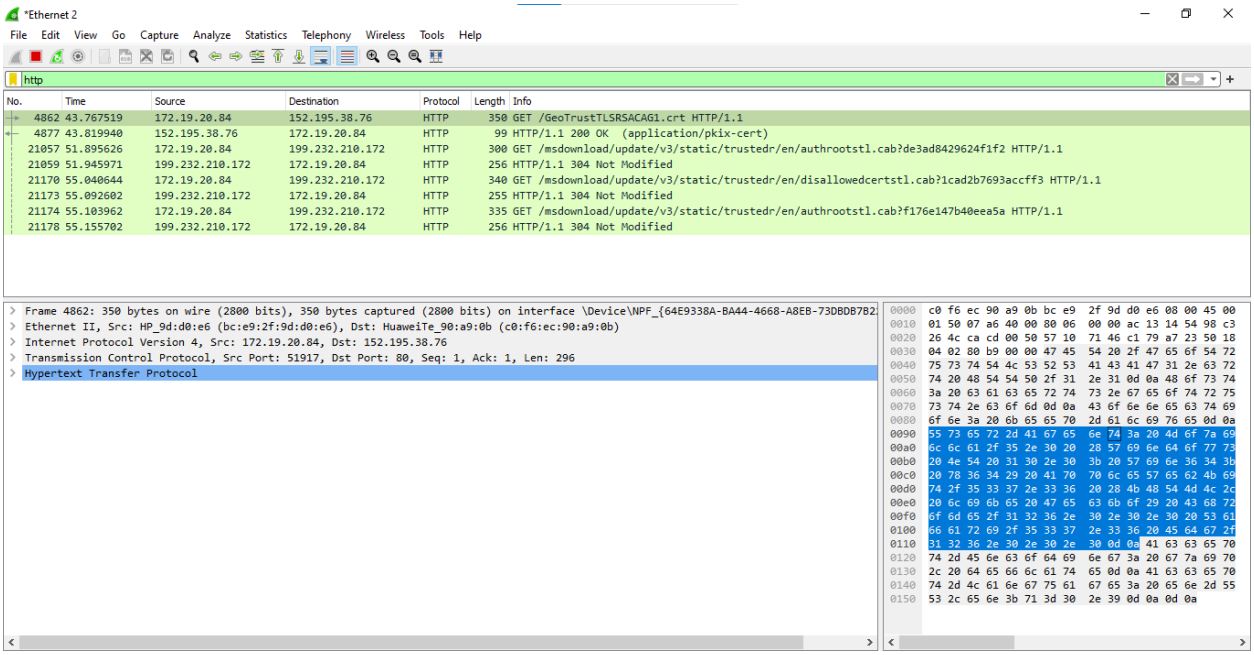
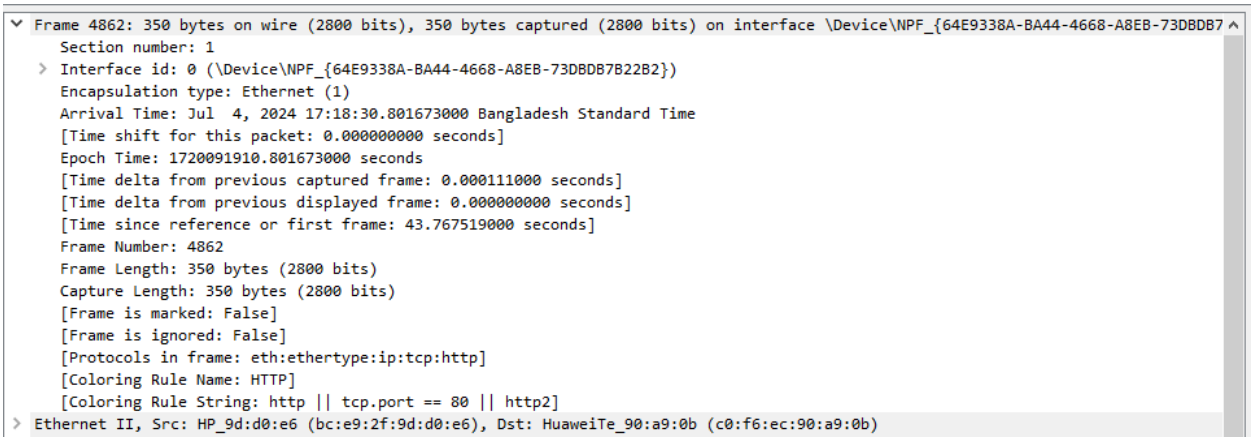
Name : Ashakuzzamanm Odree
ID: 20301268
Section: 04

HTTP REQUEST/GET PACKET

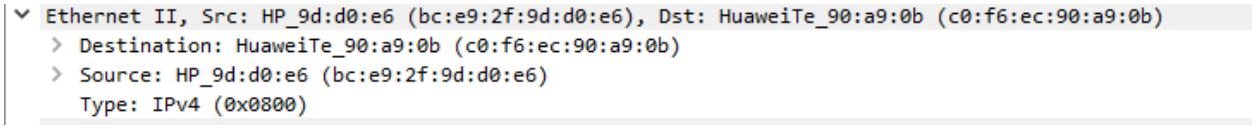


FRAME:



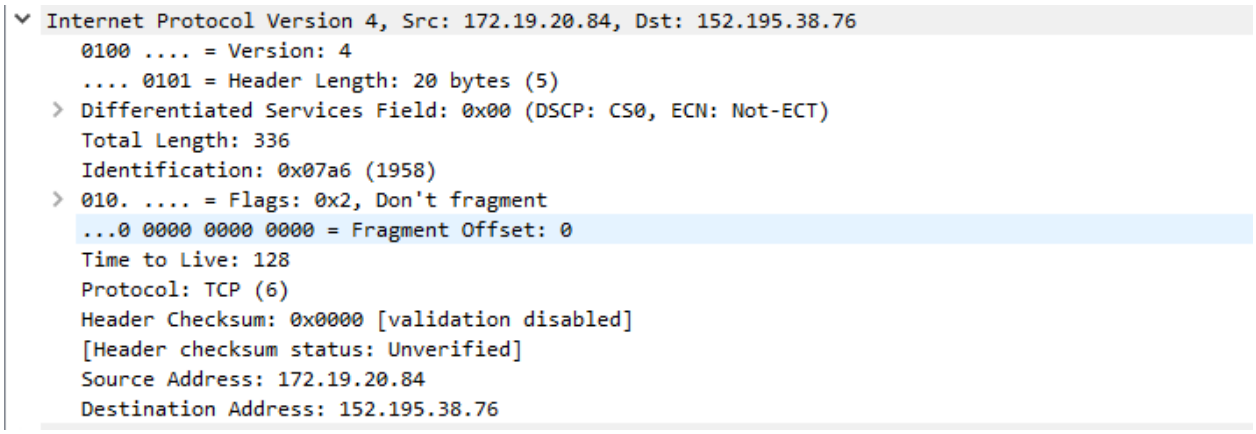
Frames are part of the data link layer, which handles data transfer. In this situation, frame 4862 contains 350 bytes of data, captured at a specific time. It's linked to HTTP protocols and shows data moving between my PC and this web server.

ETHERNET II:



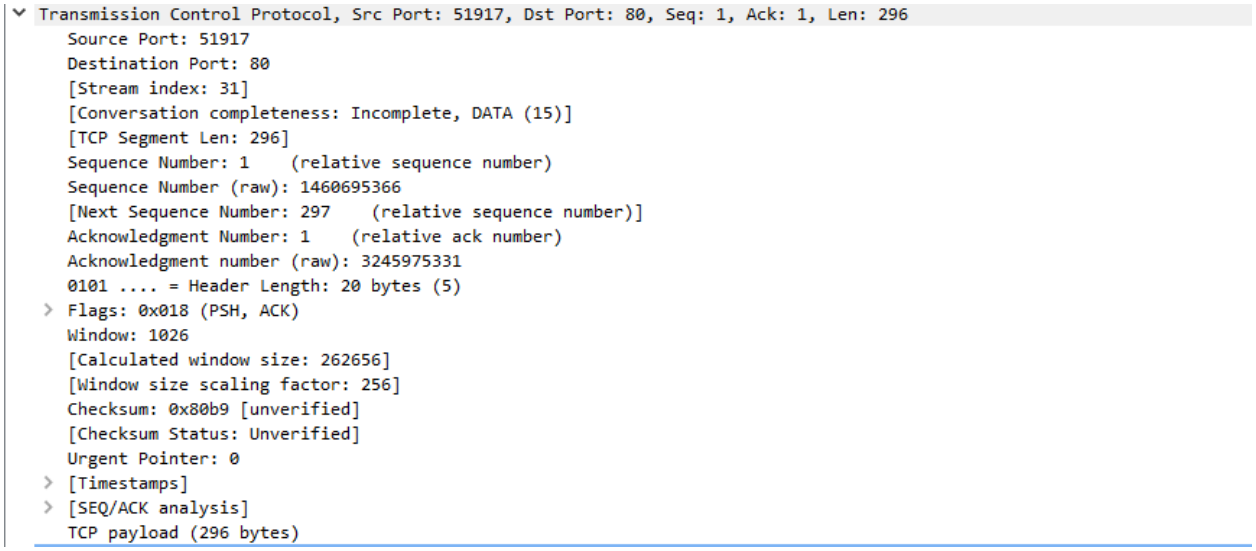
In the Data Link Layer is Ethernet II. An Ethernet frame with its source and destination MAC addresses are seen in the screenshots above.

Internet Protocol Version 4:



This section belongs to the network layer. The information provided describes an IPv4 packet, where the source IP is my PC's IP address, which is 172.19.20.84, and the destination IP address is this web server's IP, which is 152.195.38.76.

Transmission Control Protocol(TCP):

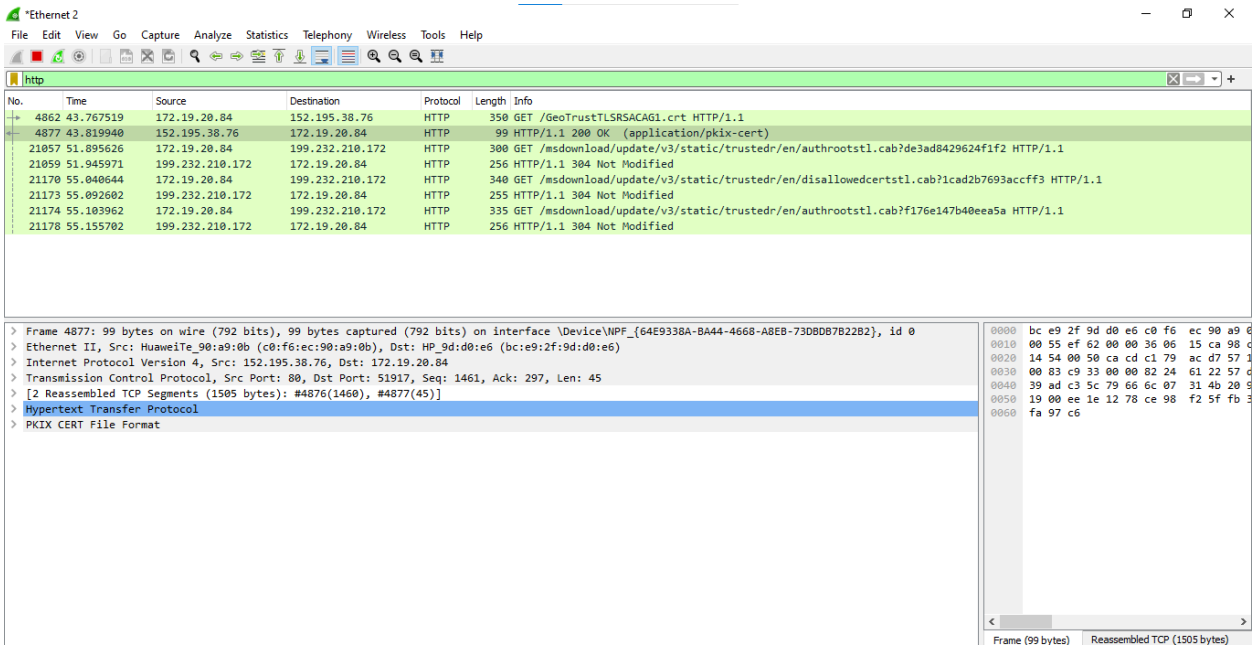


This is the TCP segment, which is part of the transport layer. It's about data transmission. The details show that the source port, or my PC's port, is 51917, and the destination port for the server is 80.

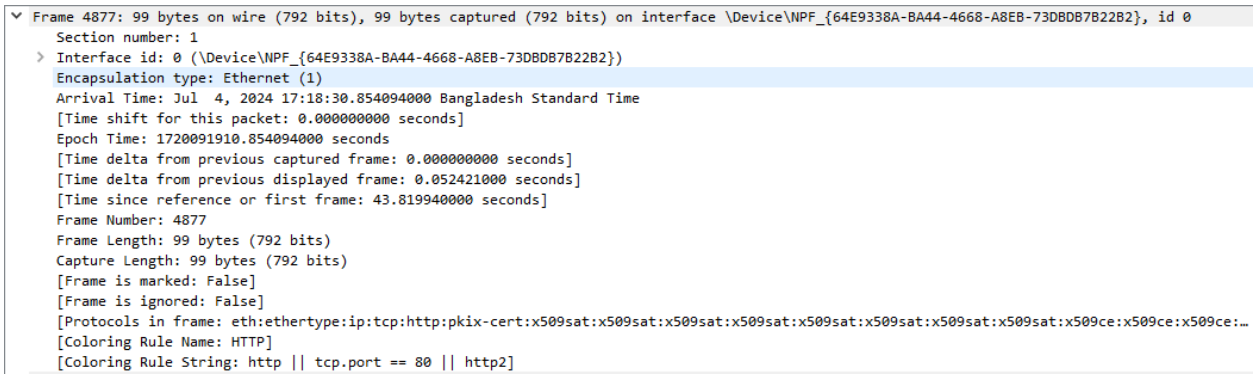
Hypertext Transfer Protocol:

This data means to the Application Layer and is part of the HTTP request. The request uses the GET method to retrieve data.

HTTP RESPONSE PACKET:

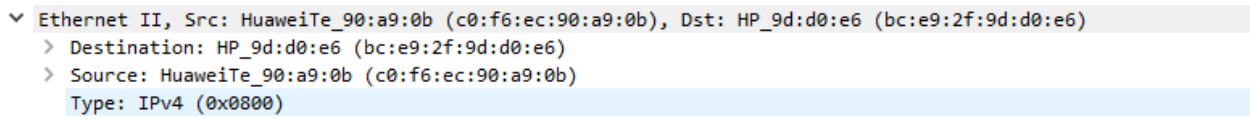


FRAME:



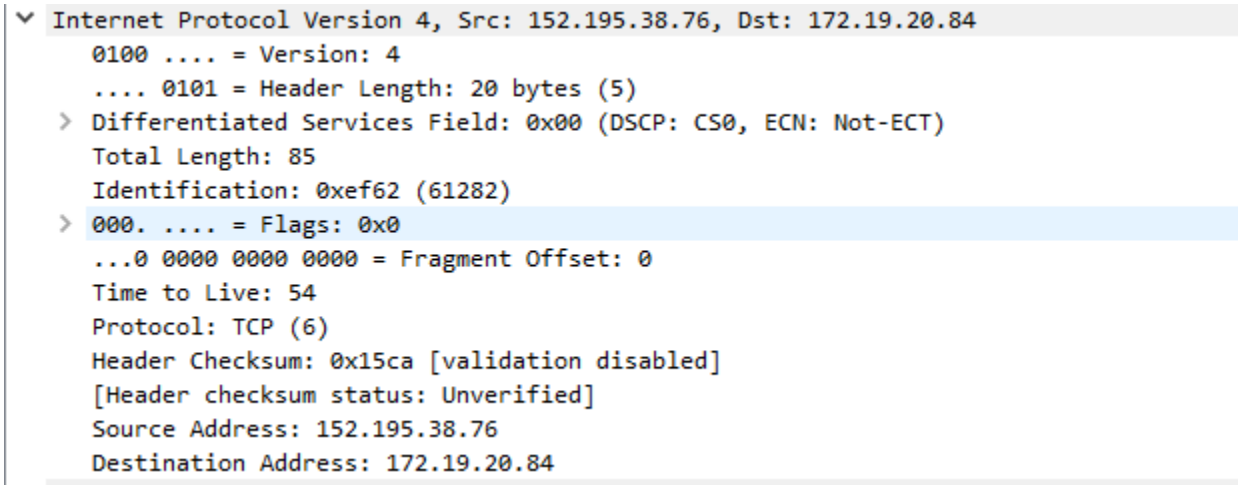
A frame manages the transfer of data, so it's part of the data link layer. In this case, frame 4877 consists of 99 bytes of data.

ETHERNET II:



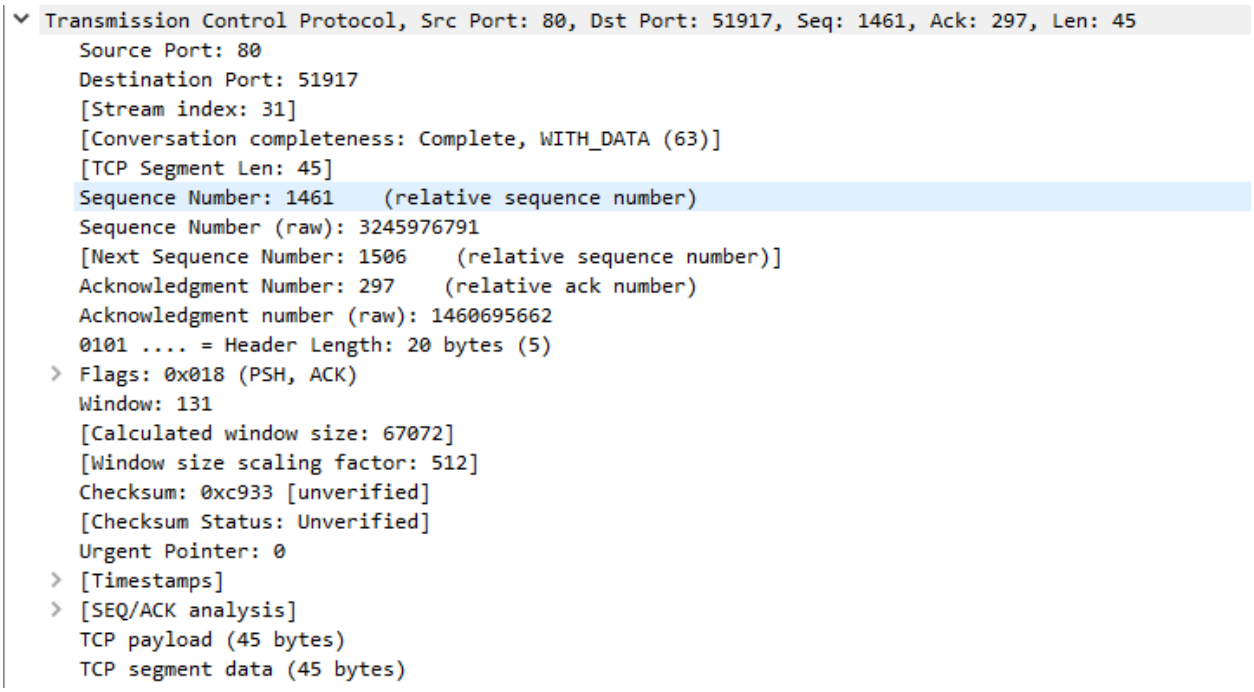
Ethernet II belongs to the Data Link Layer.

Internet Protocol Version 4:



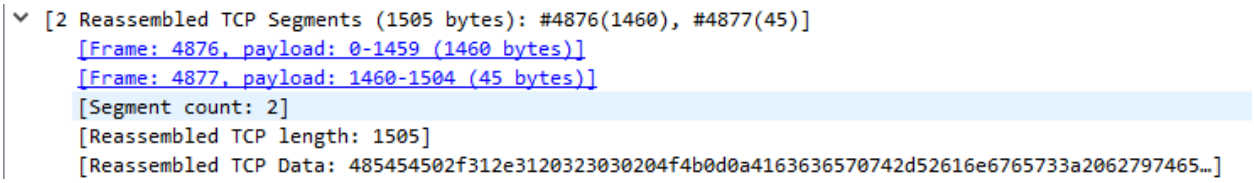
This displays details about the IPv4 section, which is part of the network layer. It describes an IPv4 packet where the source IP is the server's IP address, 152.195.38.76 and the destination IP address is my PC's address, 172.19.20.84.

Transmission Control Protocol(TCP):

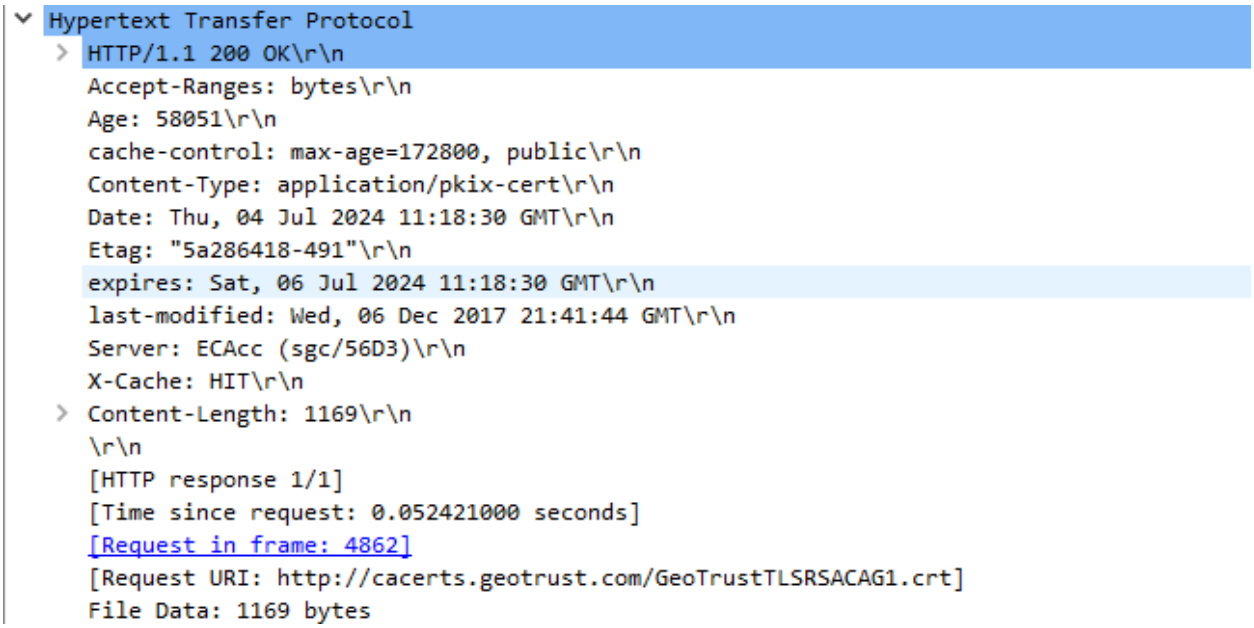


This is a TCP segment, which belongs to the transport layer. It signifies a data transmission.

2 Reassembled TCP segments:

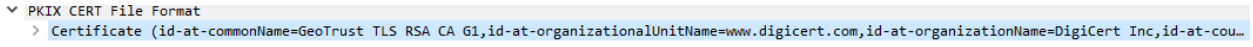


Hypertext Transfer Protocol:



This is the HTTP response, part of the Application Layer. It confirms the request was successful, stating '200 OK' for HTTP version 1.1.

PKIX CERT File Format:



It signifies text-based data in the format of HTML.