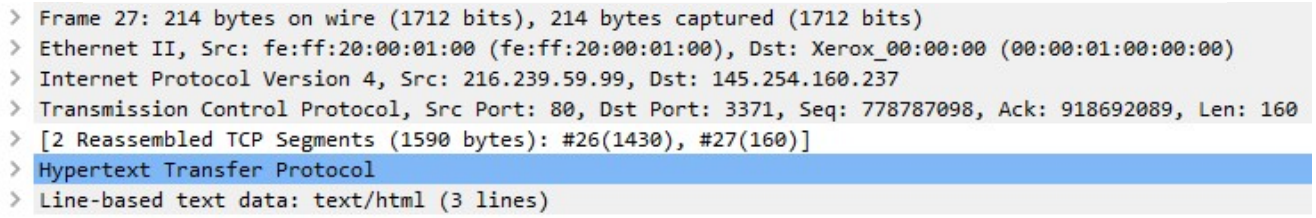
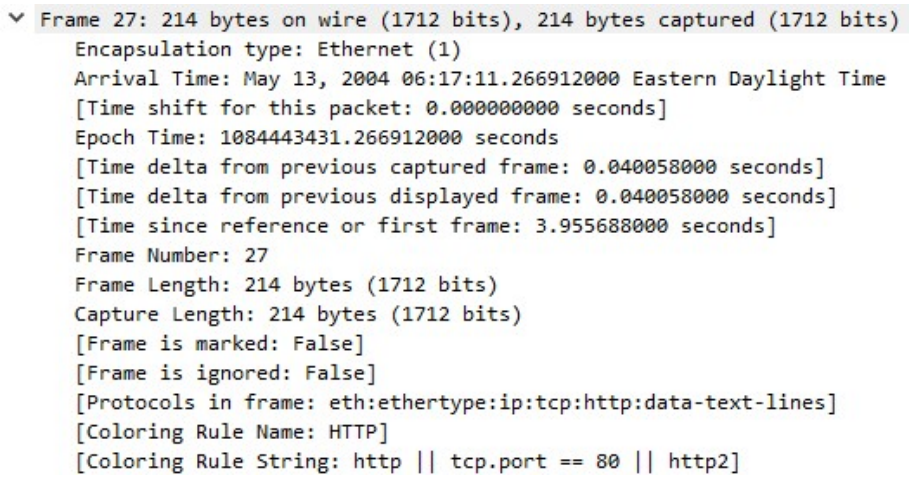
# Packet Dissection Wireshark



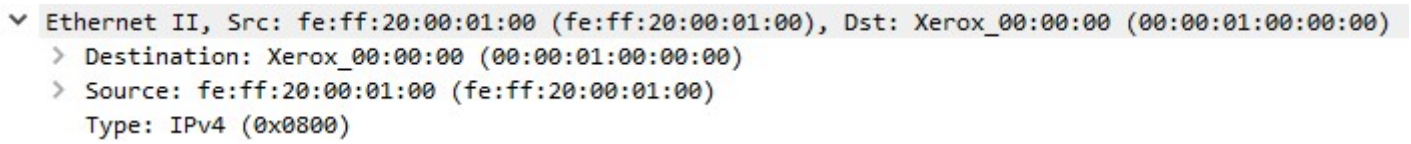

7 layers associated with the packet:

- Frame/packet
- Source [mac]
- Source [ip]
- Protocol
- Protocol errors
- Application protocol
- Application data

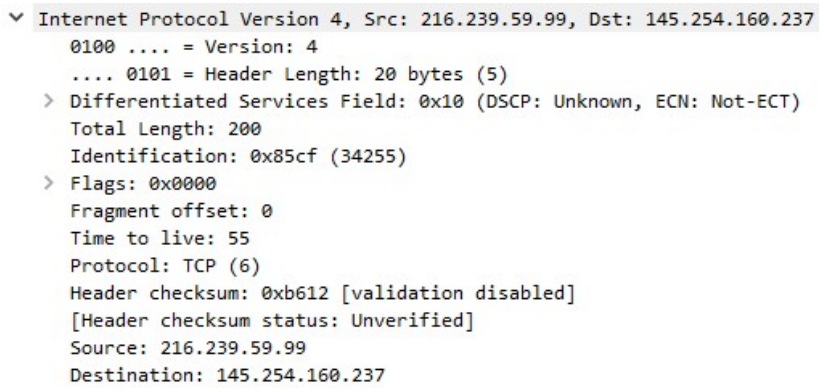
- Frame (layer 1) – detail specific to the Physical layer of the OSI model



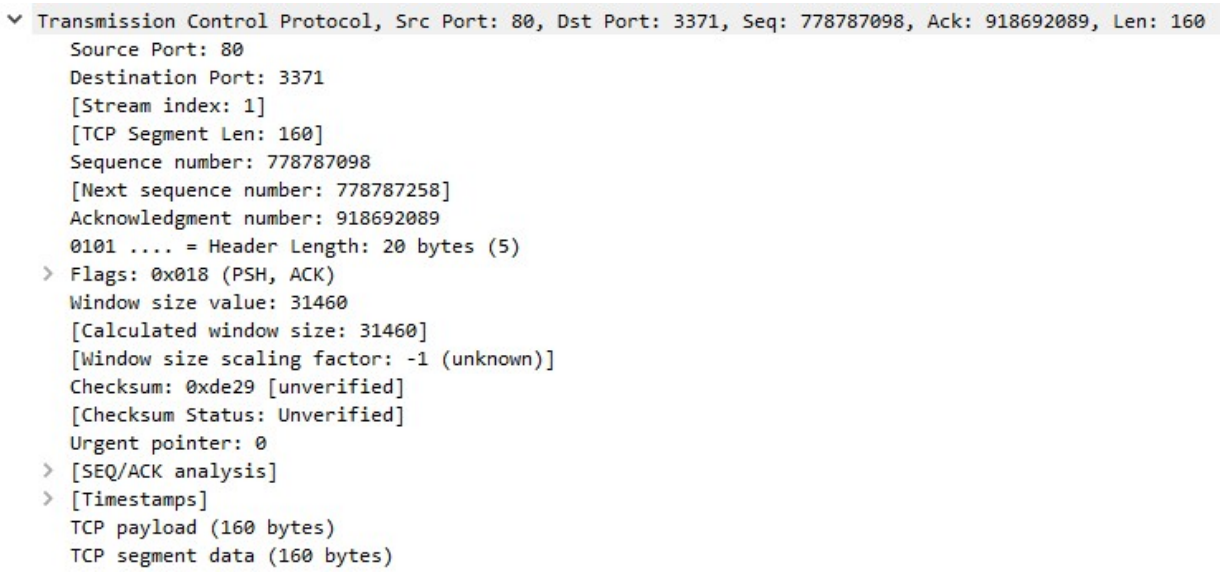

- Source [MAC] (layer 2) – source + destination MAC address; data link layer of the OSI model



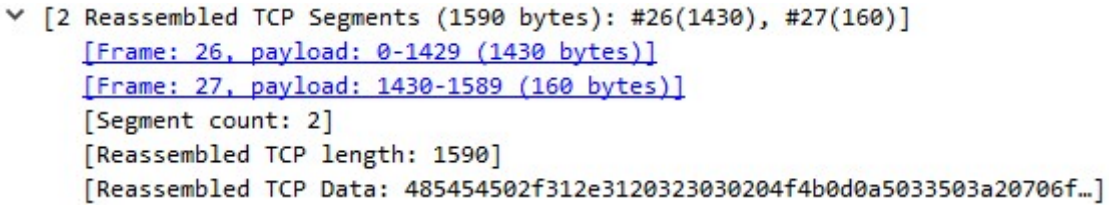
- Source [MAC] (layer 3) – source + destination ip address; network layer of the OSI model




- Protocol (layer 4) – details of protocol used TCP/UDP + source/destination ports – transport layer of the OSI model




- Protocol errors – continuation of layer 4 – showing specific segments from TCP needed to be reassembled



- Application Protocol (layer 5) – details specific to protocol being used such as HTTP; application layer of the OSI model


- Application data – extension of layer 5 – application specific data