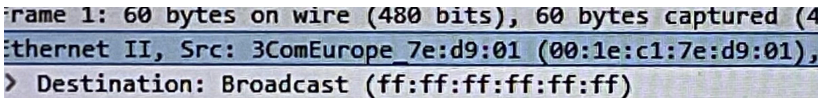
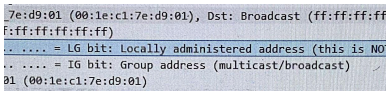
1. **What is the 48-bit Ethernet address of your computer?**



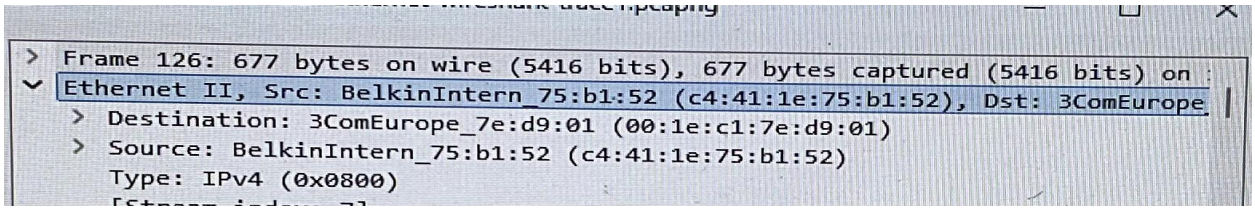
2. **What is the 48-bit destination address in the Ethernet frame? Is this the Ethernet address of gaia.cs.umass.edu? (Hint: the answer is no). What device has this as its Ethernet address?**

   Destination:



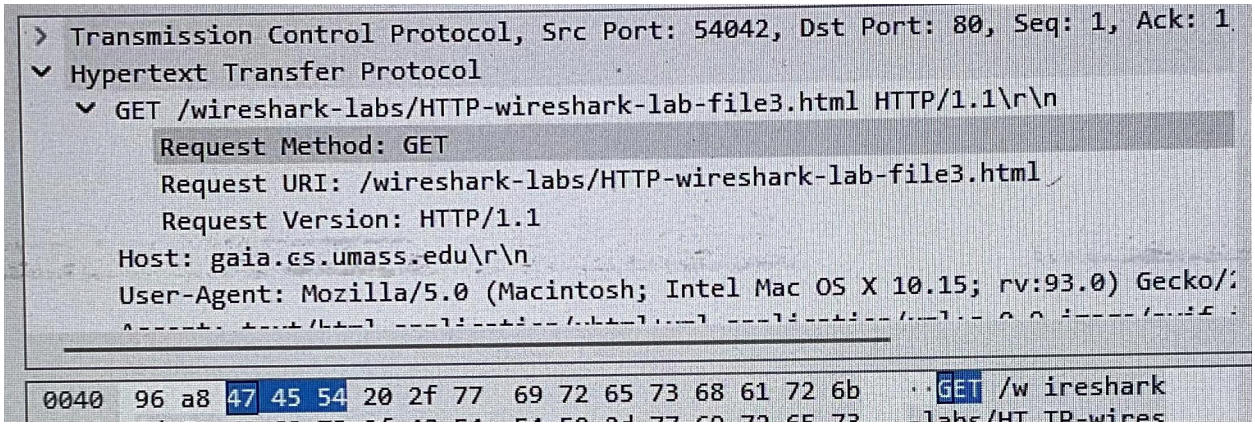
   It's the address of the zip file capture, since I used the zip file (I was unwell in class for Tuesday)

3. **What is the hexadecimal value for the two-byte Frame type field in the Ethernet frame carrying the HTTP GET request? What upper layer protocol does this correspond to?**



   Two-byte frame type is 08 00, it's the IP protocol

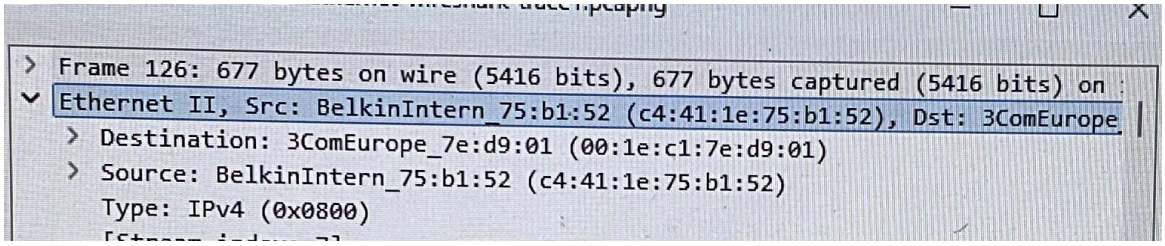
4. **How many bytes from the very start of the Ethernet frame does the ASCII "G" in "GET" appear in the Ethernet frame? Do not count any preamble bits in your count, i.e., assume that the Ethernet frame begins with the Ethernet frame's destination address.**



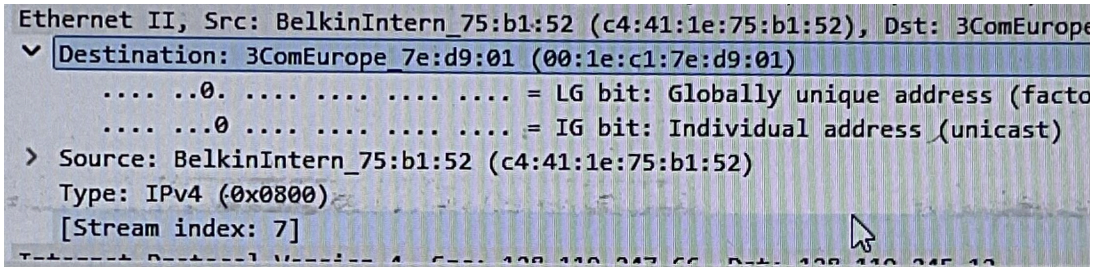
G is equal to 47

Next, answer the following questions, based on the contents of the Ethernet frame containing the first byte of the HTTP response message.

5. **What is the value of the Ethernet source address? Is this the address of your computer, or of gaia.cs.umass.edu (Hint: the answer is *no*). What device has this as its Ethernet address?**

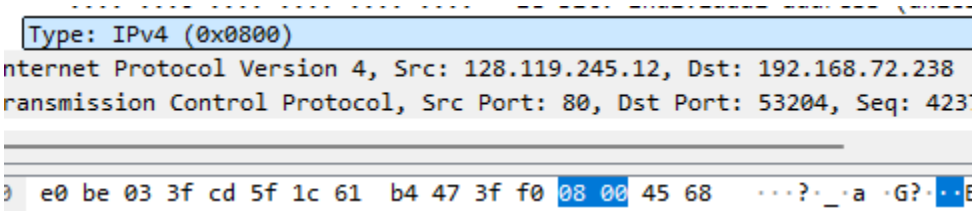


6. **What is the destination address in the Ethernet frame? Is this the Ethernet address of your computer?**



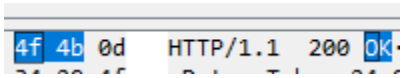
Yes it's the zip file's capture address

7. **Give the hexadecimal value for the two-byte Frame type field. What upper layer protocol does this correspond to?**



The upper layer is IP layer

8. **How many bytes from the very start of the Ethernet frame does the ASCII "O" in "OK" (i.e., the HTTP response code) appear in the Ethernet frame? Do not count any preamble bits in your count, i.e., assume that the Ethernet frame begins with the Ethernet frame's destination address.**



O = 4f

9. **How many Ethernet frames (each containing an IP datagram, each containing a TCP segment) carry data that is part of the complete HTTP "OK 200 ..." reply message?**