

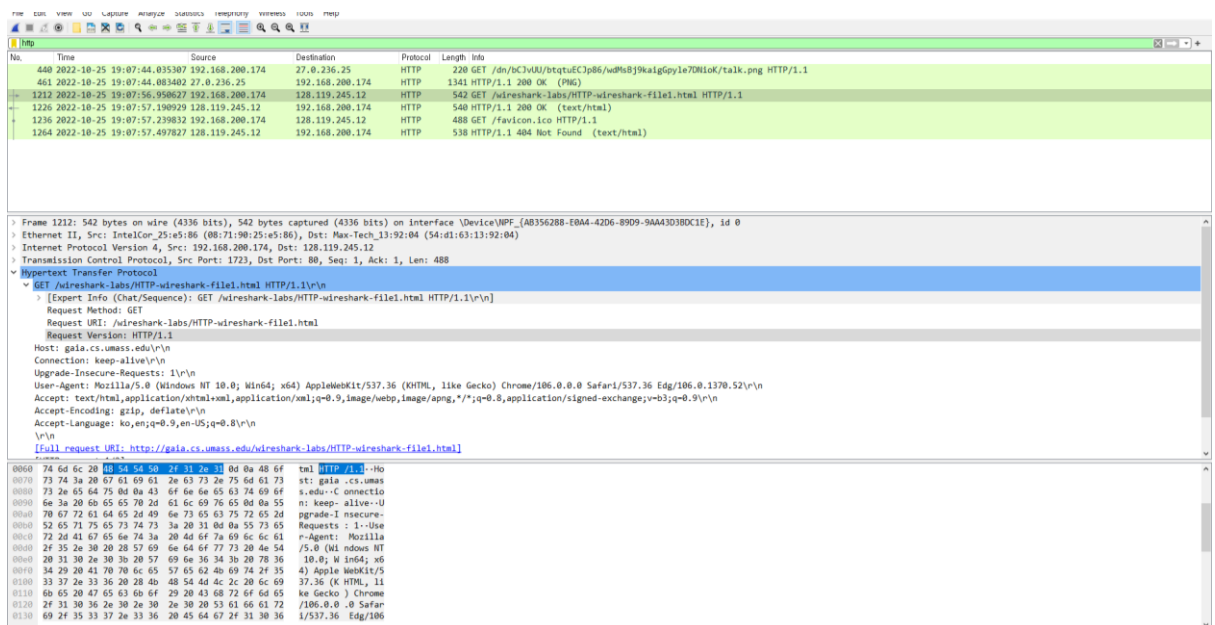
Wireshark Lab 2

ComputerSoftware

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1. Is your browser running HTTP version 1.0, 1.1, or 2? What version of HTTP is the server running?

➔ 1.1



2. What languages (if any) does your browser indicate that it can accept to the server?

➔ Ko

3. What is the IP address of your computer? What is the IP address of the gaia.cs.umass.edu server?

➔ My computer ip: 192.168.200.174

➔ Website ip: 128.119.245.12

4. What is the status code returned from the server to your browser?

➔ 200 OK

5. When was the HTML file that you are retrieving last modified at the server?

➔ Tue, 25 Oct 2022 10:07:54

6. How many bytes of content are being returned to your browser?

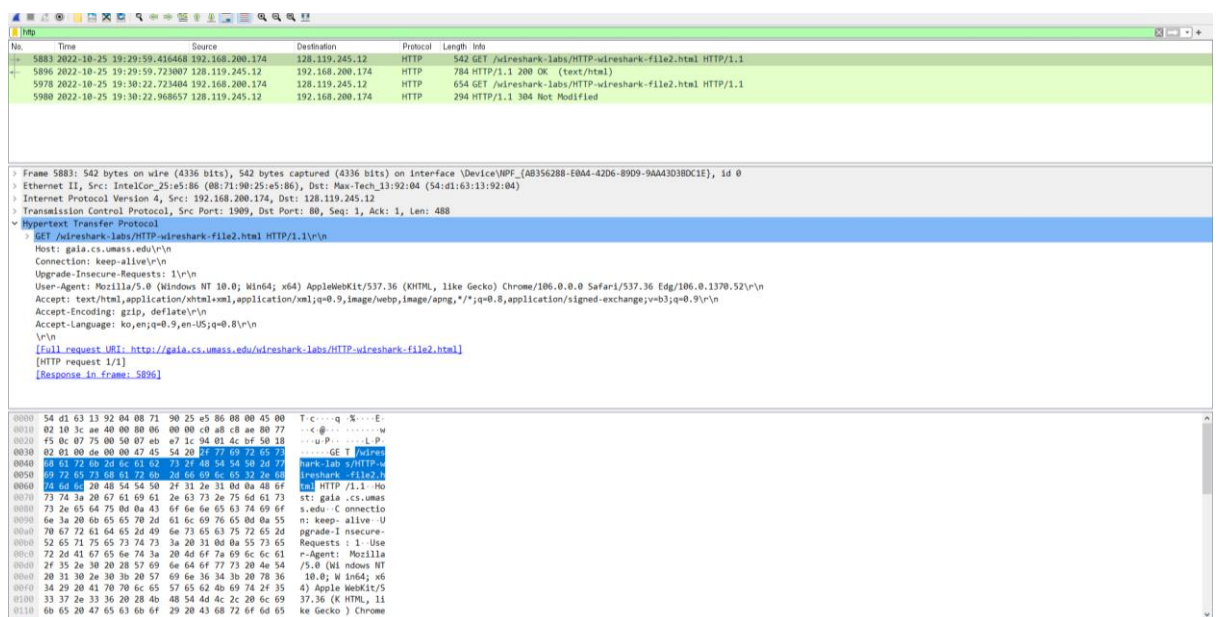
➔ 128

7. By inspecting the raw data in the packet content window, do you see any headers within the data that are not displayed in the packet-listing window? If so, name one.

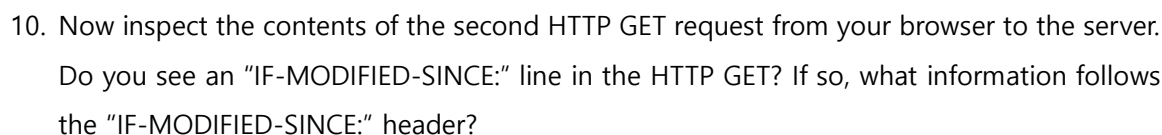
➔ I can't see.

8. Inspect the contents of the first HTTP GET request from your browser to the server. Do you see an "IF-MODIFIED-SINCE" line in the HTTP GET?

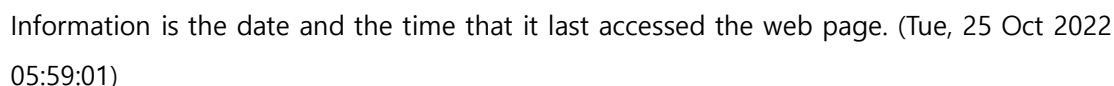
➔ There's no "IF-MODIFIED-SINCE".



- ➔ Return text data. 'Line-based text data' here we can see what server back.



- ➔ In the second http GET, we can find.



11. What is the HTTP status code and phrase returned from the server in response to this second HTTP GET? Did the server explicitly return the contents of the file? Explain.

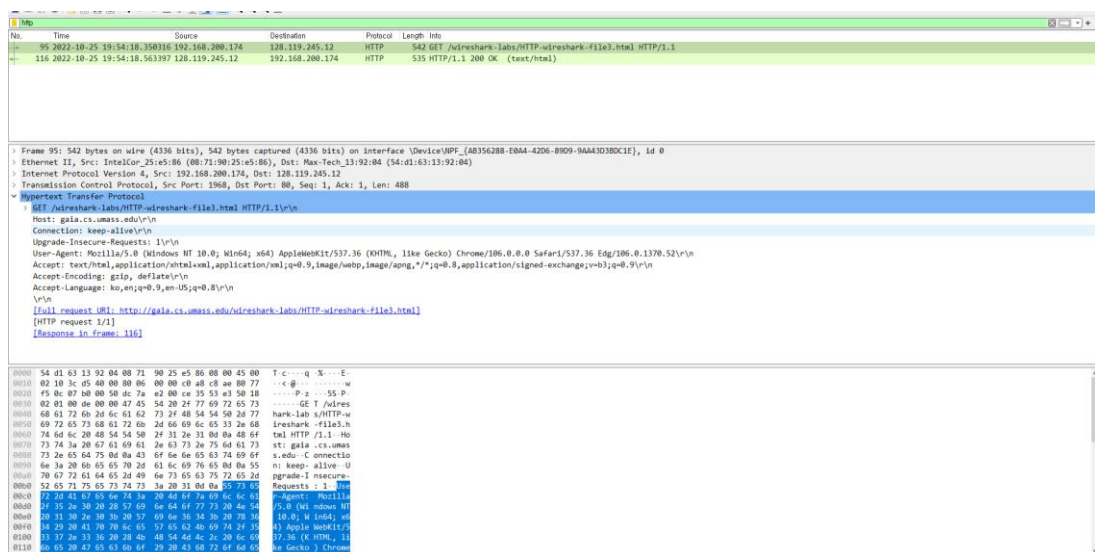
➔ That code is 304.

➔ The server didn't return the contents of the file. because the browser simply retrieved the content from its sketch had the file been modified since it was last accessed it would have returned the contents of the file. Instead of it, told my browser to retrieve the old file from its cache memory.

12. How many HTTP GET request messages did your browser send? Which packet number in the trace contains the GET message for the Bill or Rights?

➔ Just one time.

➔ Packet number is '95'.



13. Which packet number in the trace contains the status code and phrase associated with the response to the HTTP GET request?

➔ Packet number is '116'.

14. What is the status code and phrase in the response?

➔ 200 OK

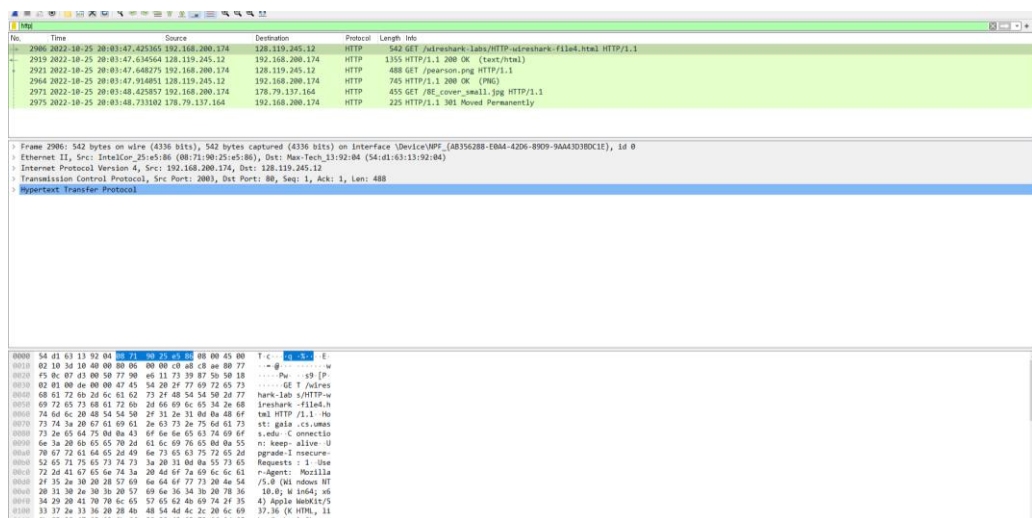
15. How many data-containing TCP segments were needed to carry the single HTTP response and the text of the Bill of Rights?

➔ 4 Reassembled TCP Segments (4861 bytes): #112(1460), #113(1460), #115(1460), #116(481)

16. How many HTTP GET request messages did your browser send? To which Internet addresses were these GET requests sent?

➔ Three GET messages.

➔ Address is '128.119.245.12'



17. Can you tell whether your browser downloaded the two images serially, or whether they were downloaded from the two web sites in parallel? Explain.

➔ The browser downloaded the two images serially.

➔ Because the first image was requested and sent before the second image was requested by the browser.

If it runs in parallel, both files would have been requested then would have written in the same time period.

But, In this case the second the image was requested after the first image came back.