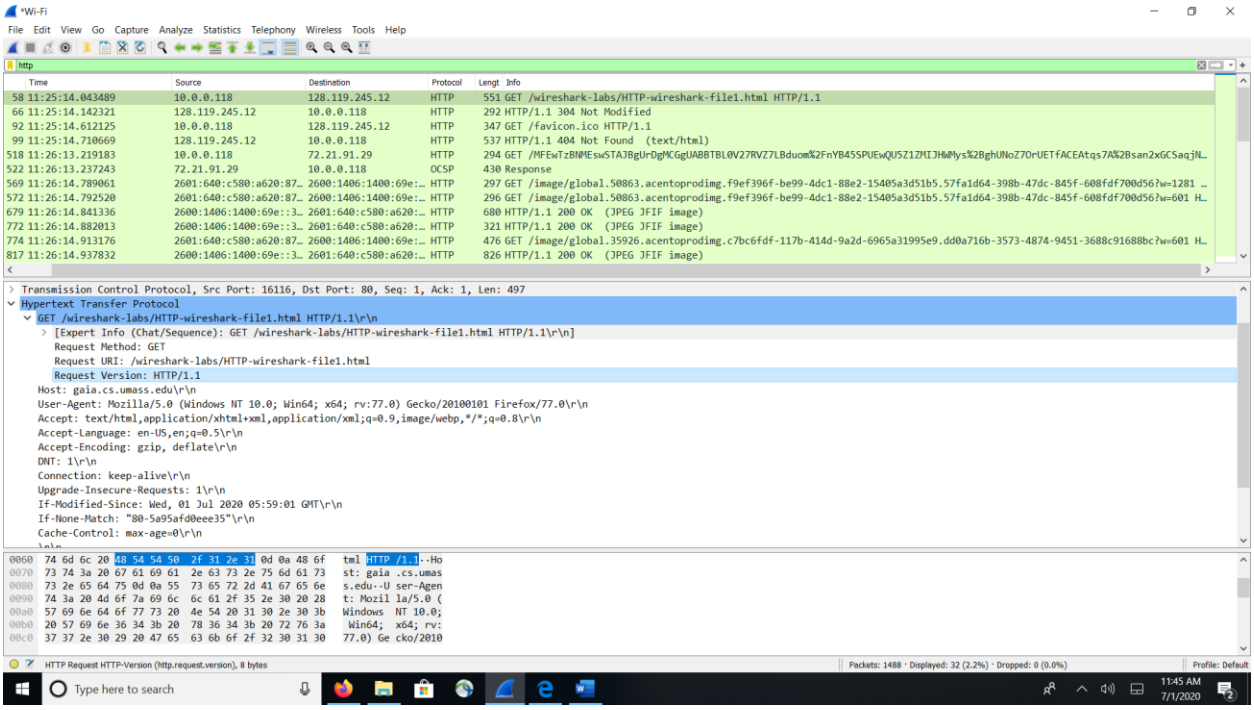
Justin Phillips

cs372 summer2020

lab2

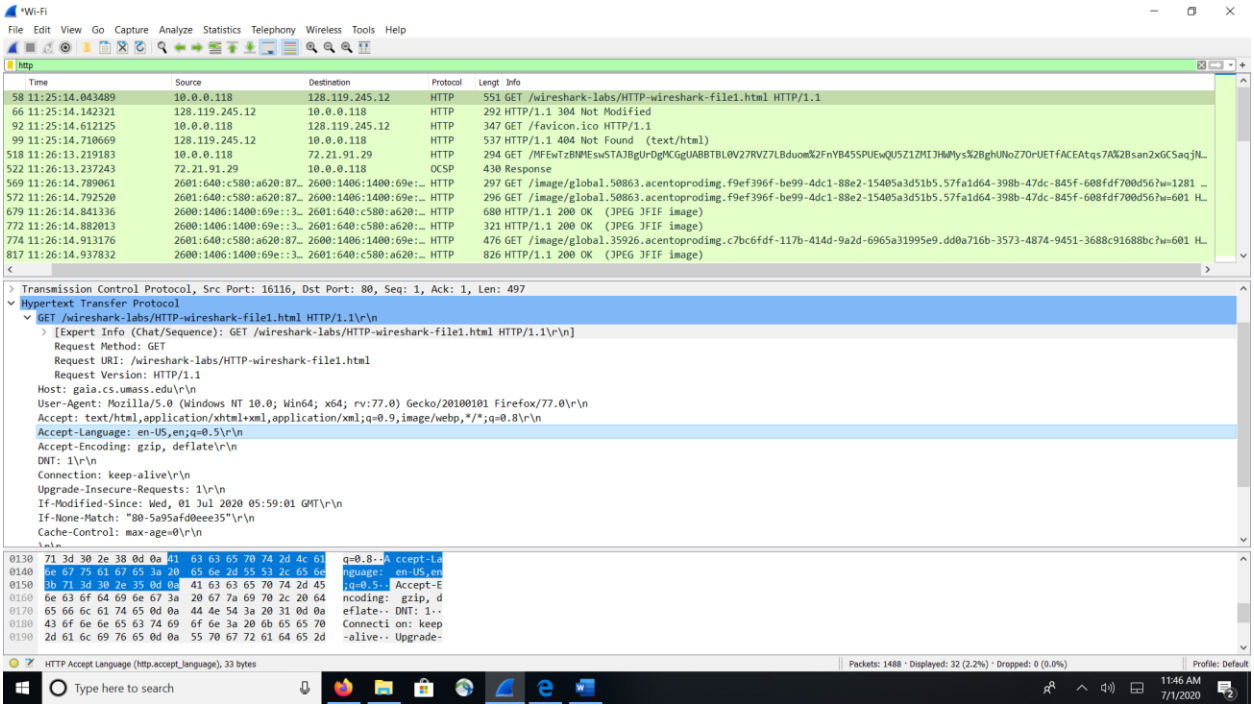
1. Is your browser running HTTP version 1.0 or 1.1? What version of HTTP is the server running?

Both browser and server are running 1.1



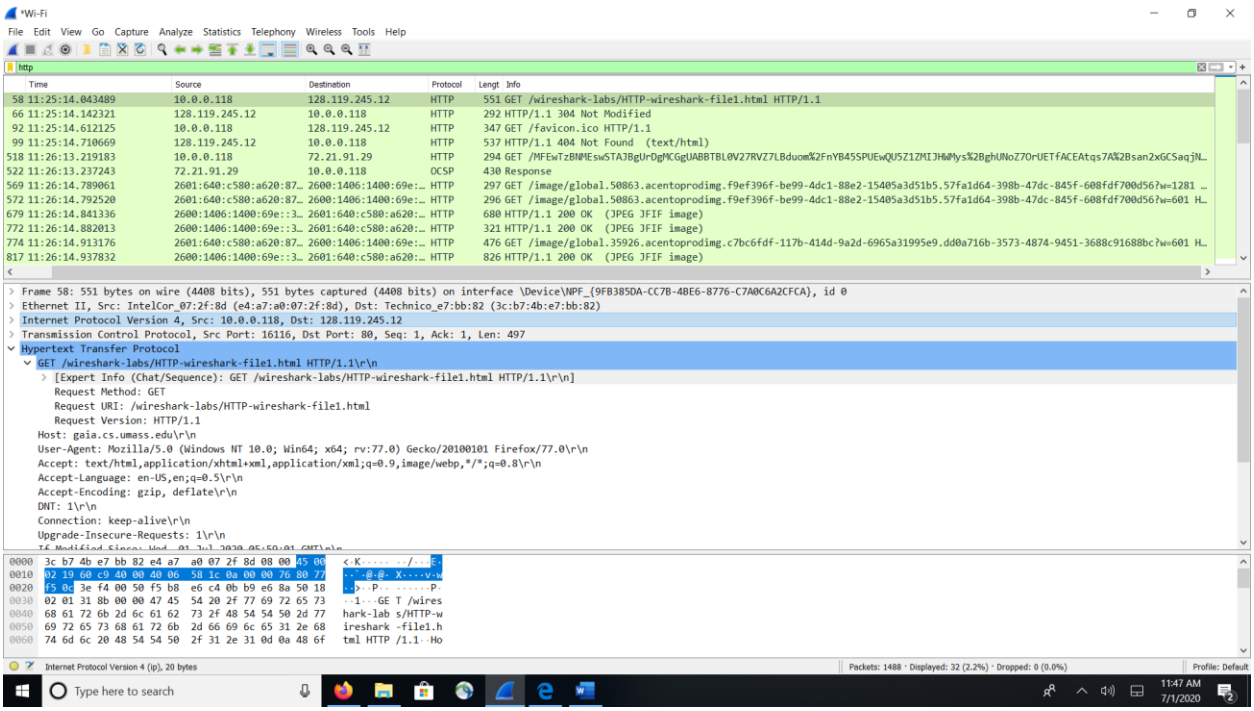
2. What languages (if any) does your browser indicate that it can accept to the server?

the accepted language is en-US



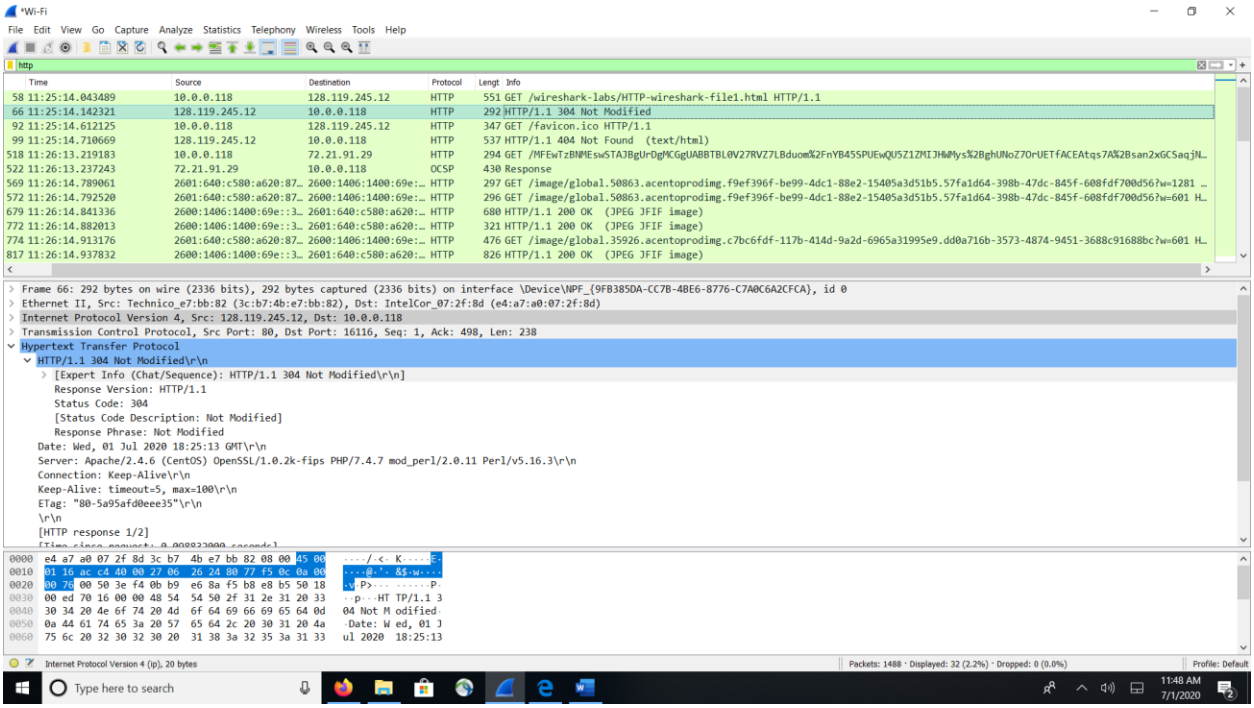
3. What is the IP address of your computer? Of the gaia.cs.umass.edu server?

ip of my pc is 10.0.0.118 and the server is 128.119.245.12



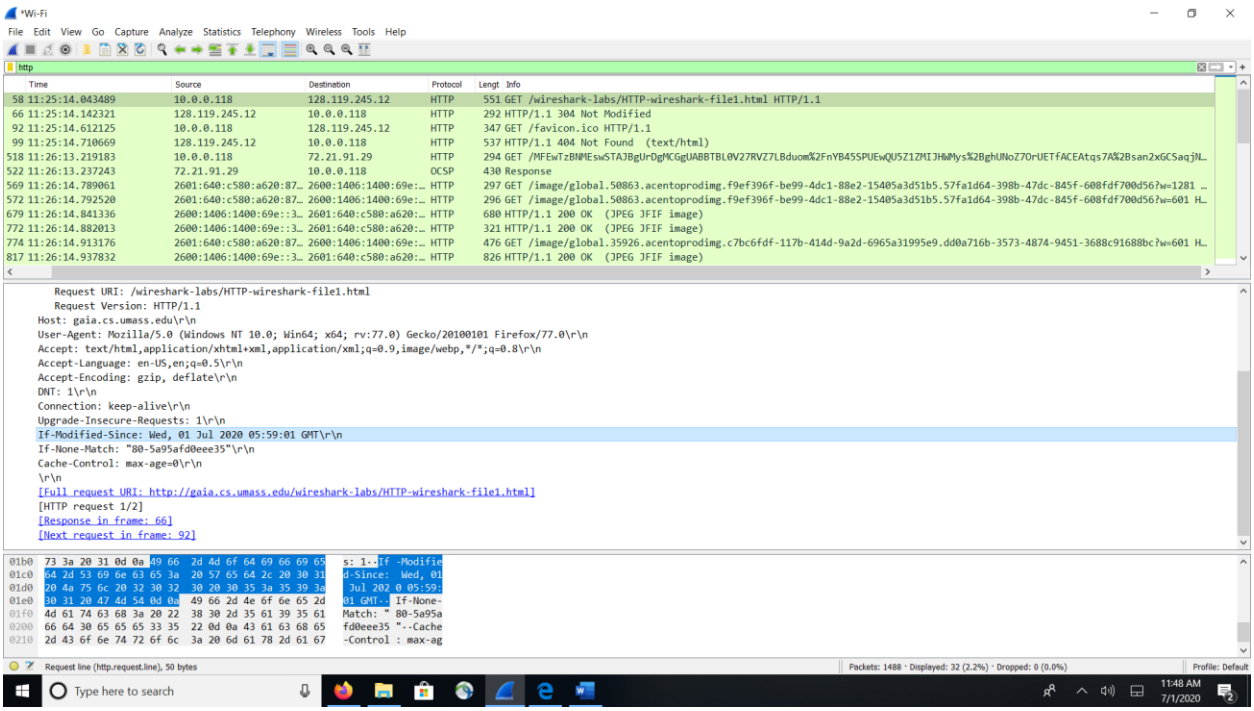
4. What is the status code returned from the server to your browser?

304 not modified



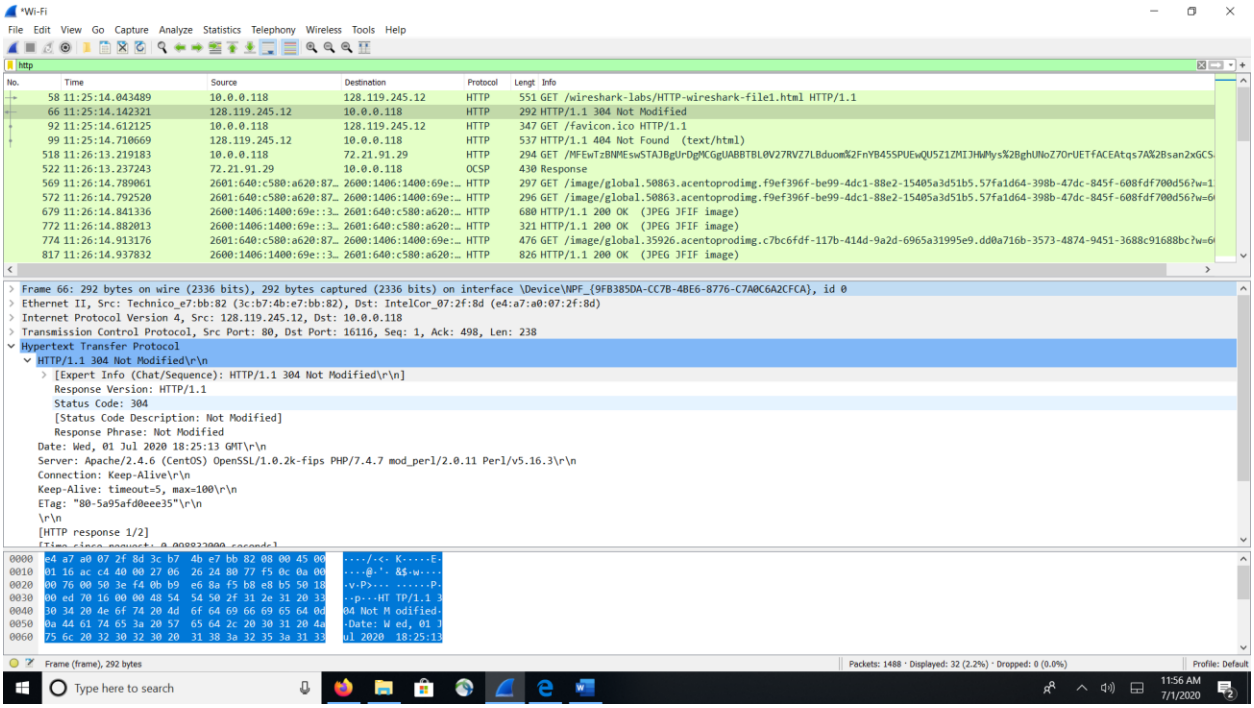
5. When was the HTML file that you are retrieving last modified at the server?

If-Modified-Since: Wed, 01 Jul 2020 05:59:01 GMT\r\n



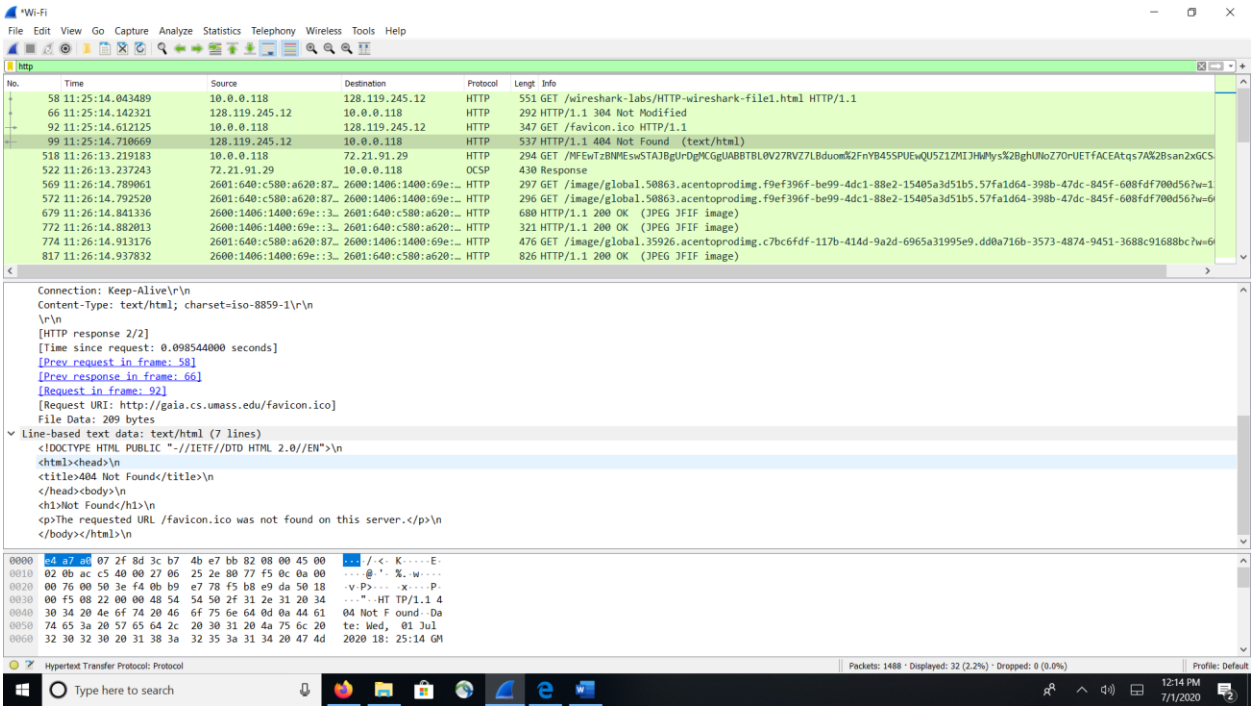
6. How many bytes of content are being returned to your browser?

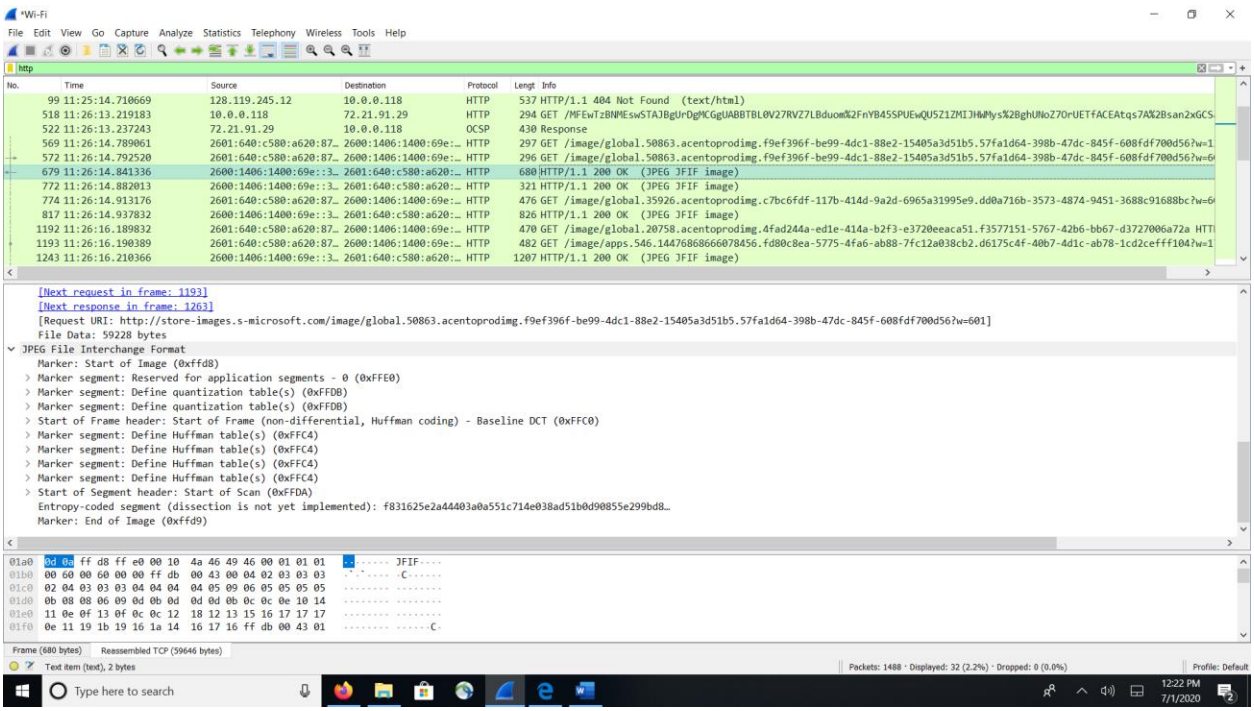
length is 292 bytes



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.

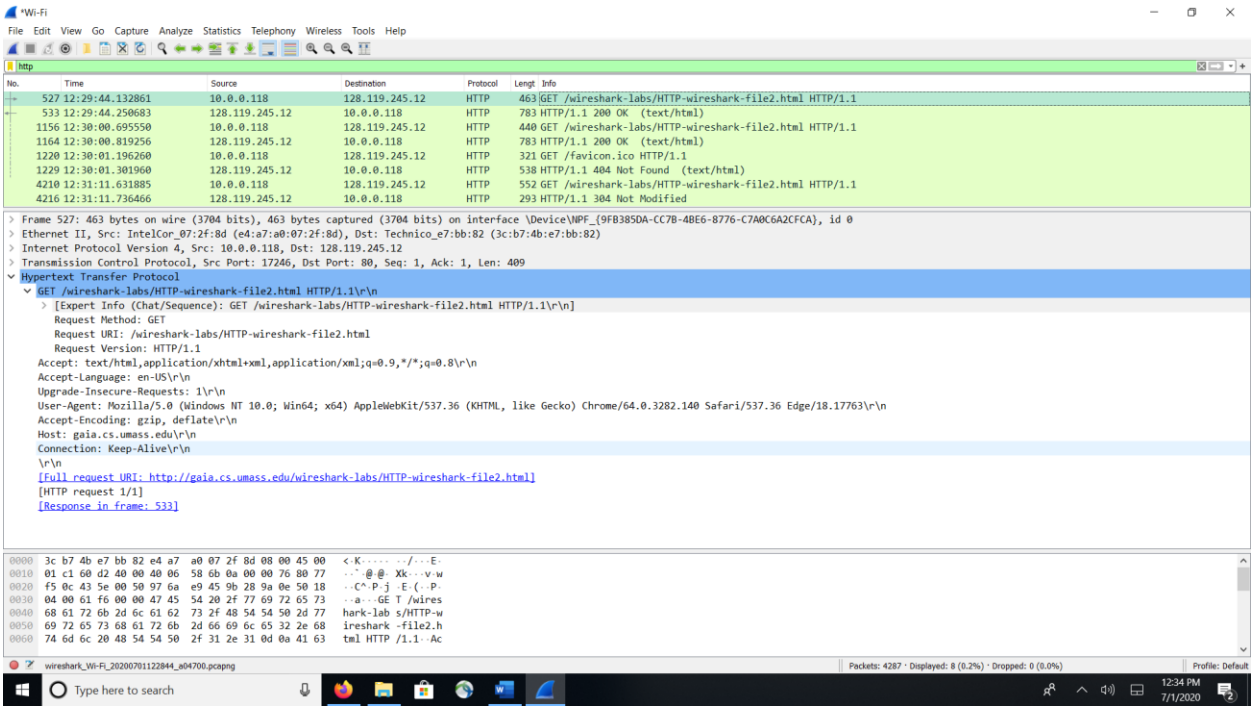
I received a bunch of request for images that I got 200 responses and and html that wasn't found



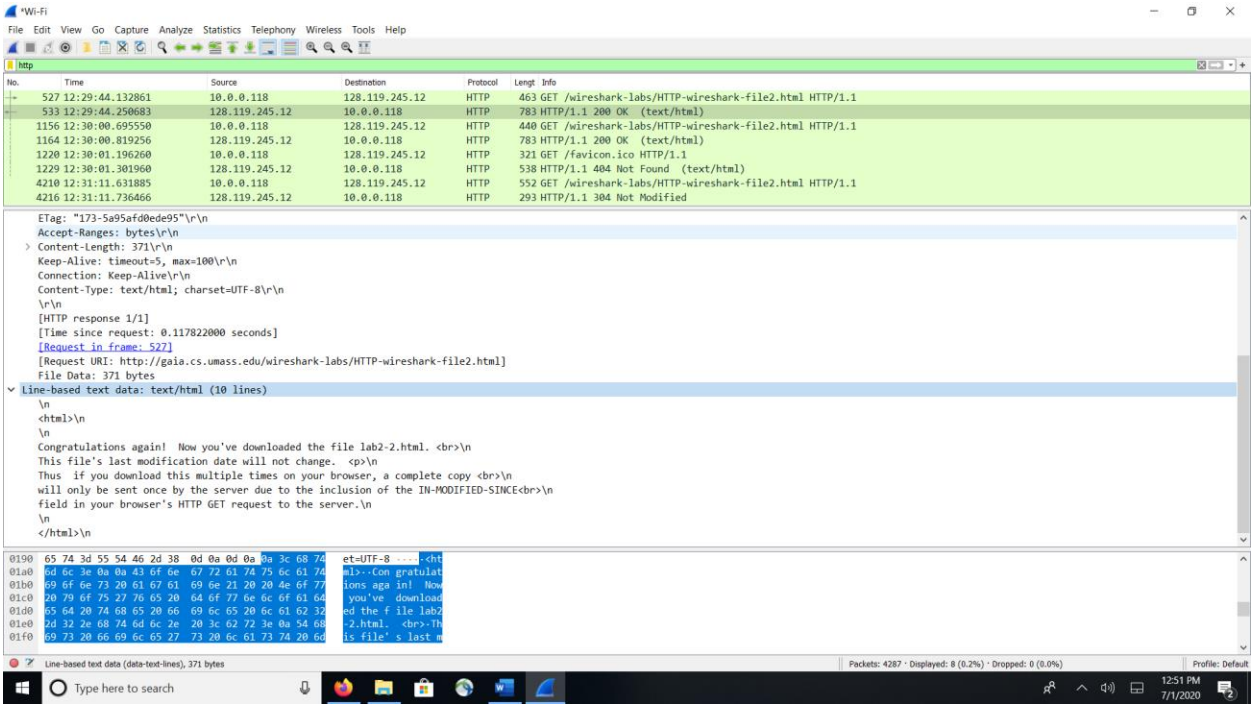


8. Inspect the contents of the first HTTP GET request from your browser to the server. Do you see an "IF-MODIFIED-SINCE" line in the HTTP GET?

no I don't see any if modified

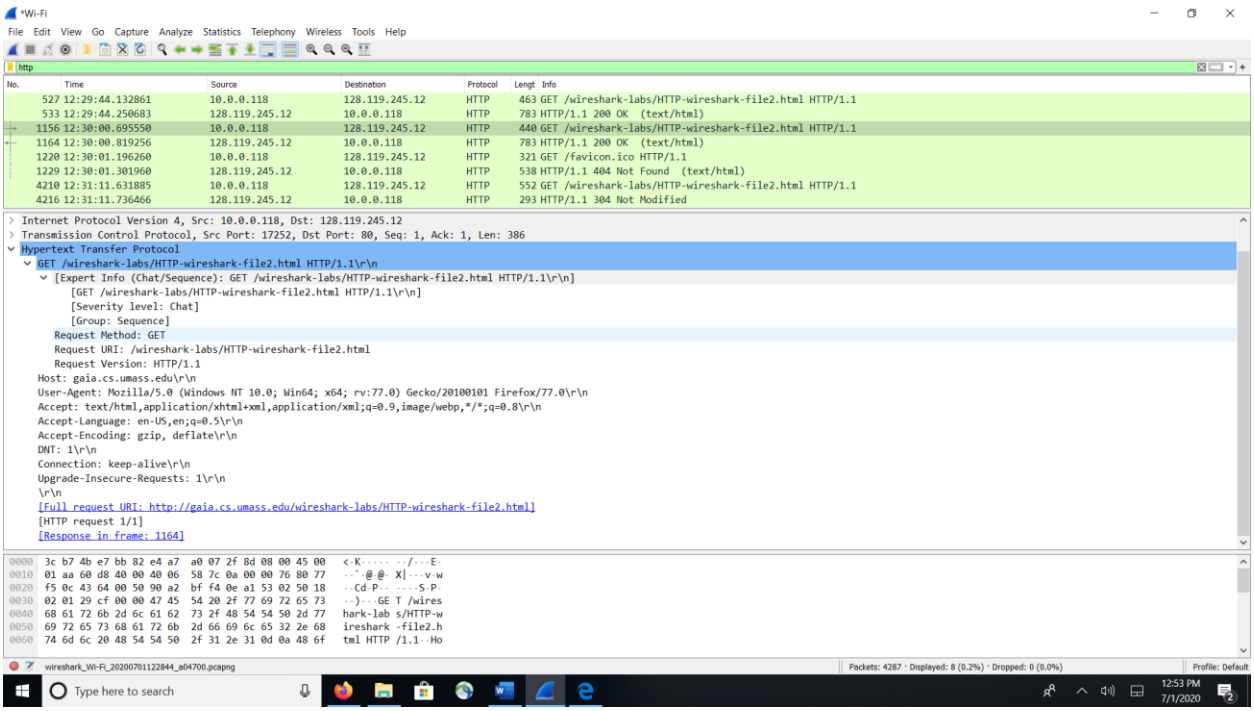


9. Inspect the contents of the server response. Did the server explicitly return the contents of the file? How can you tell?

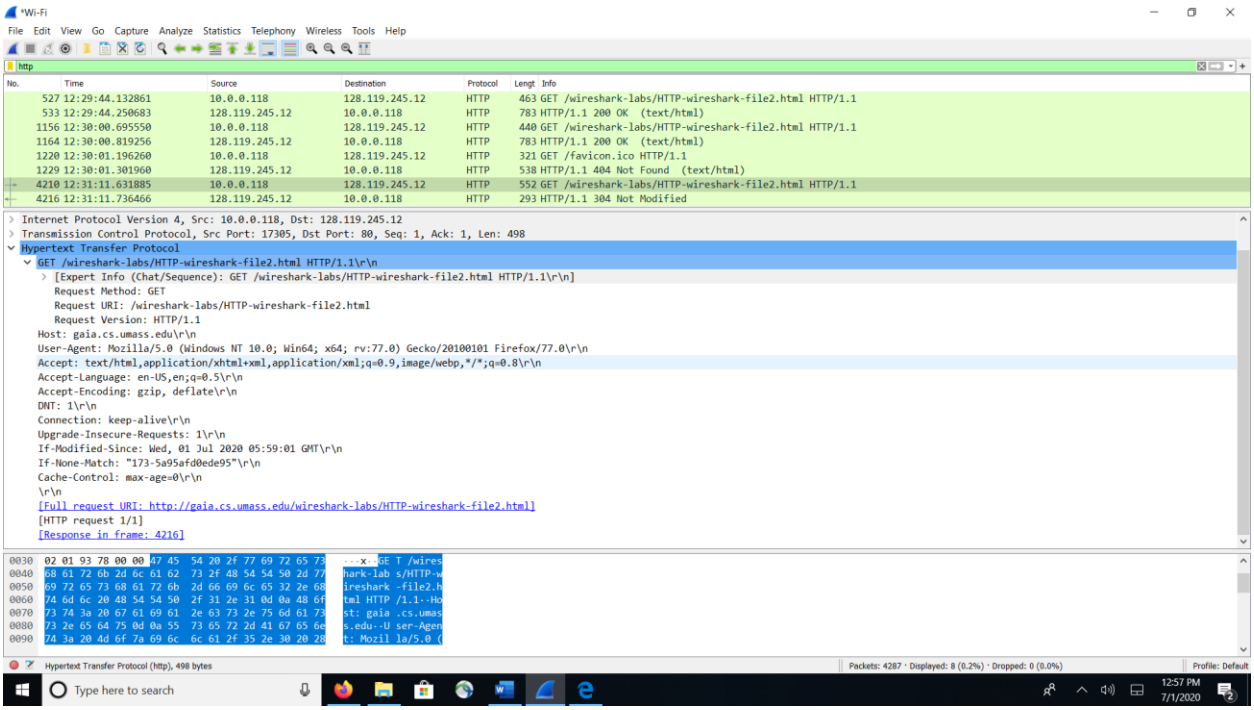


10. Now inspect the contents of the second HTTP GET request from your browser to the server. Do you see an “IF-MODIFIED-SINCE:” line in the HTTP GET? If so, what information follows the “IF-MODIFIED-SINCE:” header?

still do not see an “IF-MODIFIED-SINCE:”

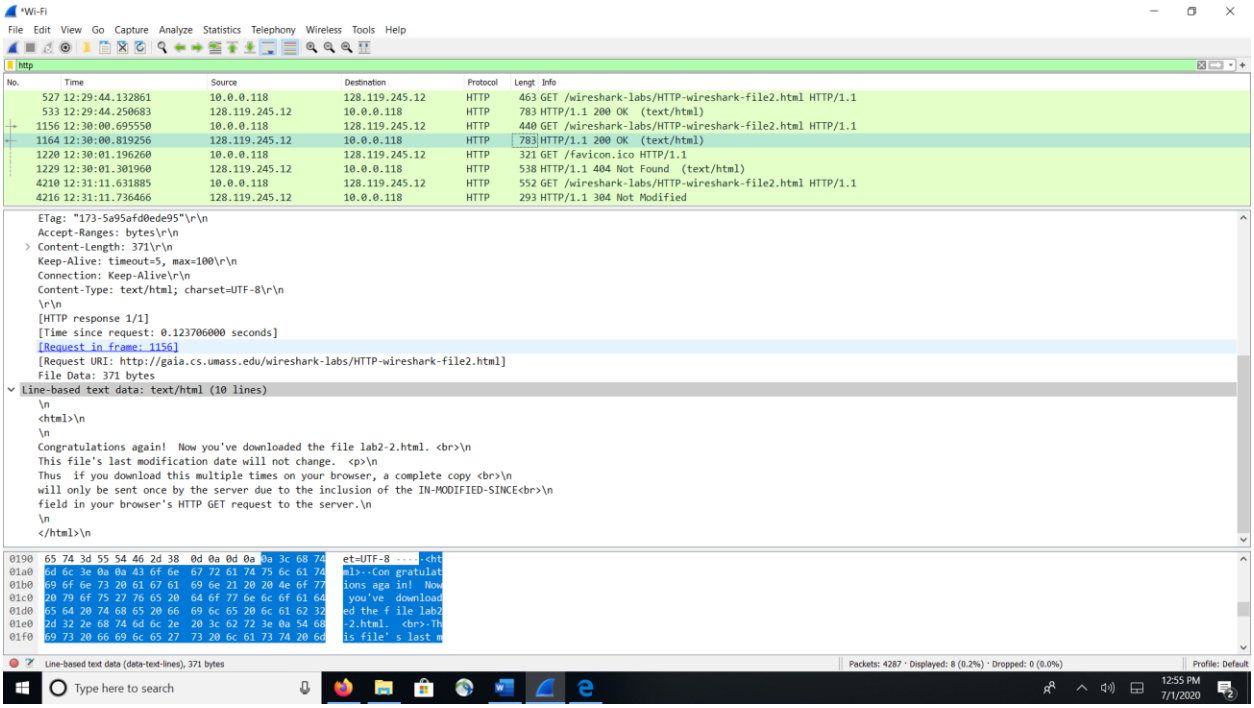


for some reason I did get the “IF-MODIFIED-SINCE:” on the 4th get request and the If-Modified-Since: Wed, 01 Jul 2020 05:59:01 GMT\r\n

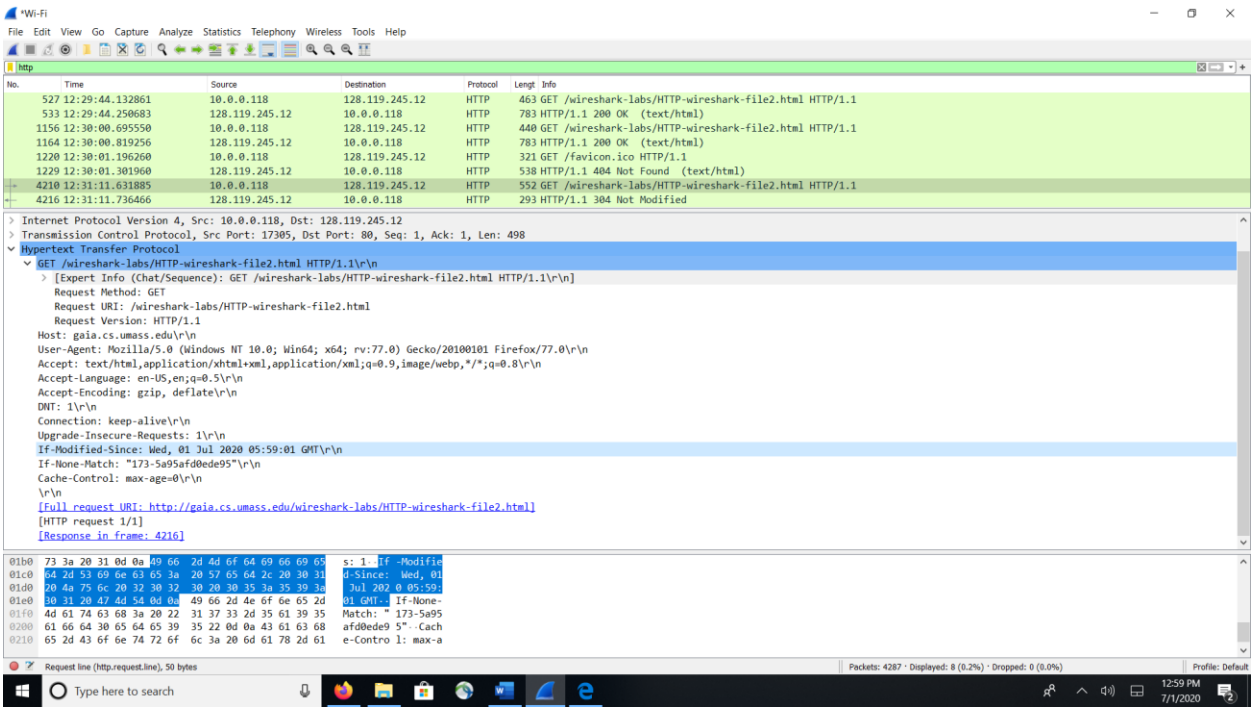


11. What is the HTTP status code and phrase returned from the server in response to this second HTTP GET? Did the server explicitly return the contents of the file? Explain.

The code is a 200 and the response phrase if OK.

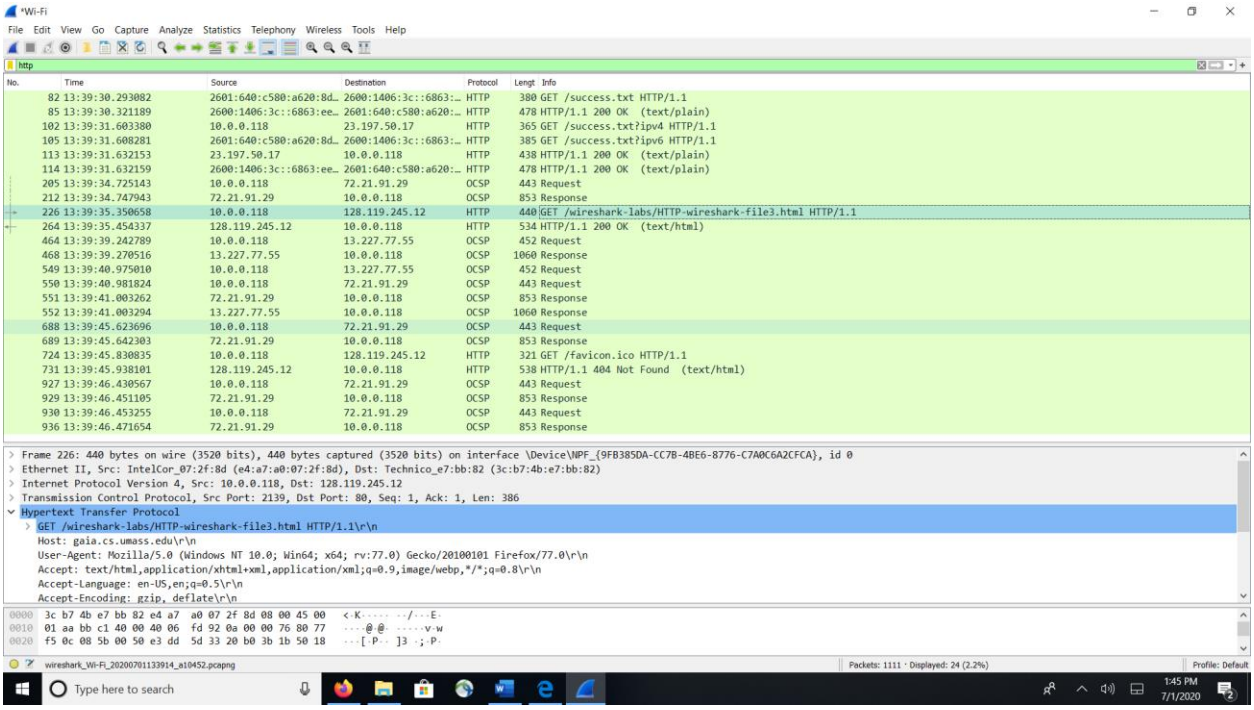


the fourth request was the 304 with a Response Phrase: Not Modified



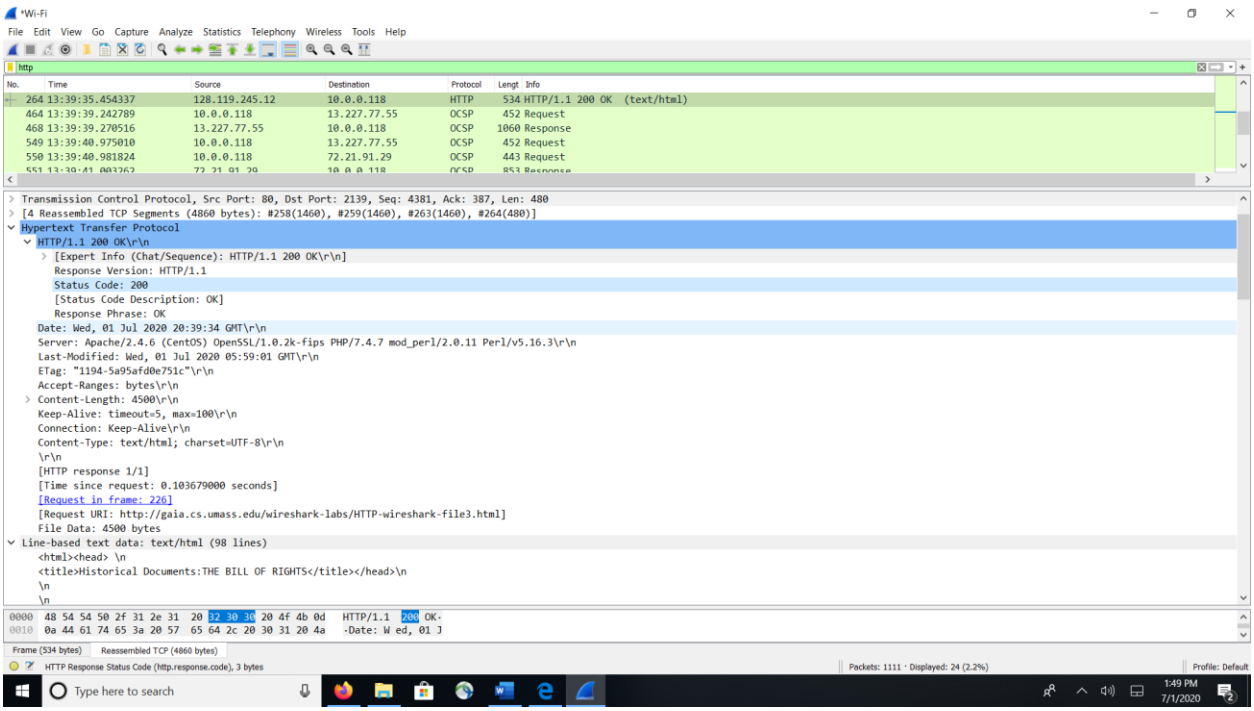
12. How many HTTP GET request messages did your browser send? Which packet number in the trace contains the GET message for the Bill or Rights?

5 GET requests and 226 is the packet number with the Bill of RIghts



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

264 is the packet number

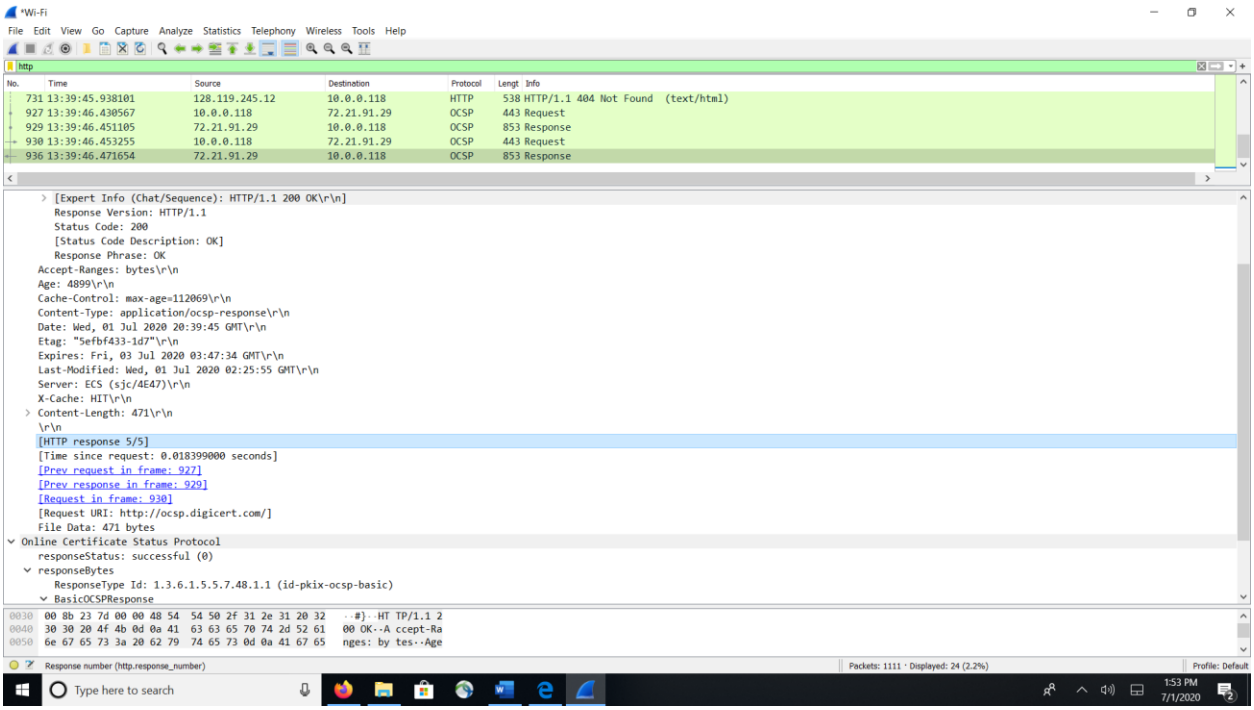


14. What is the status code and phrase in the response?

The code is 200 with a Response Phrase:OK

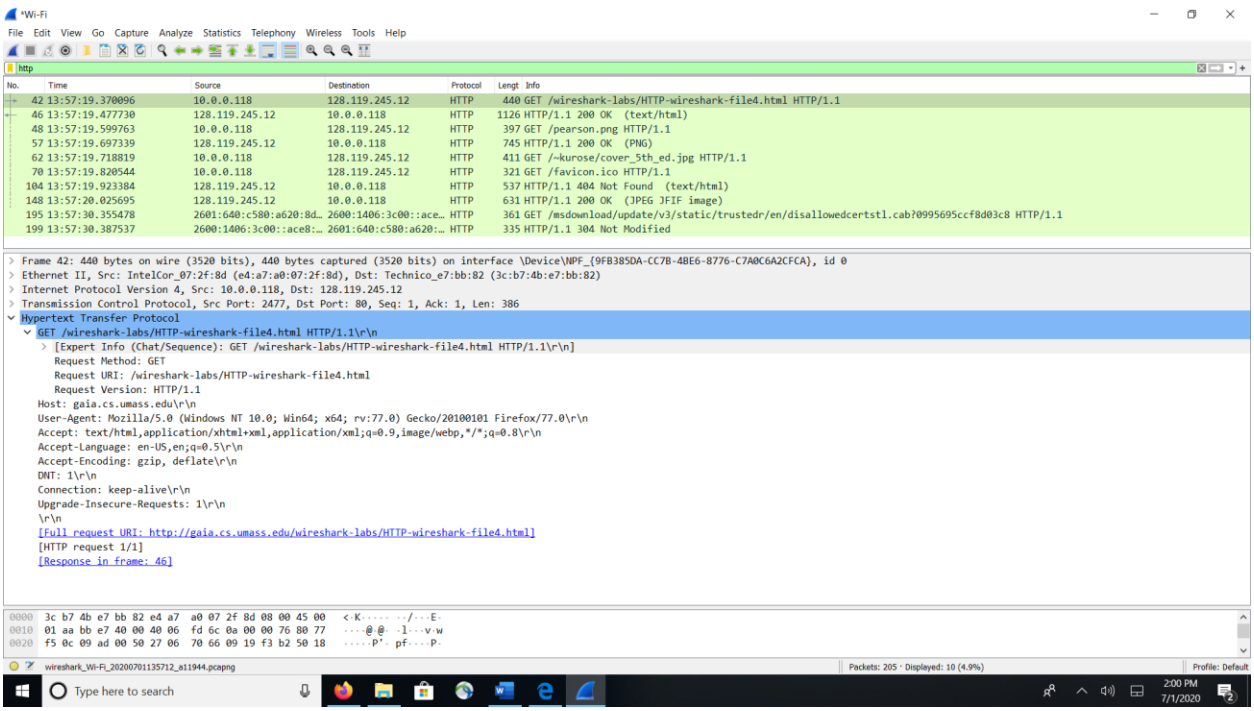
15. How many data-containing TCP segments were needed to carry the single HTTP response and the text of the Bill of Rights?

5 request/responses were send to get the complete Bill of Rights file



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

three Get request were made to [Full request URI: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file4.html]

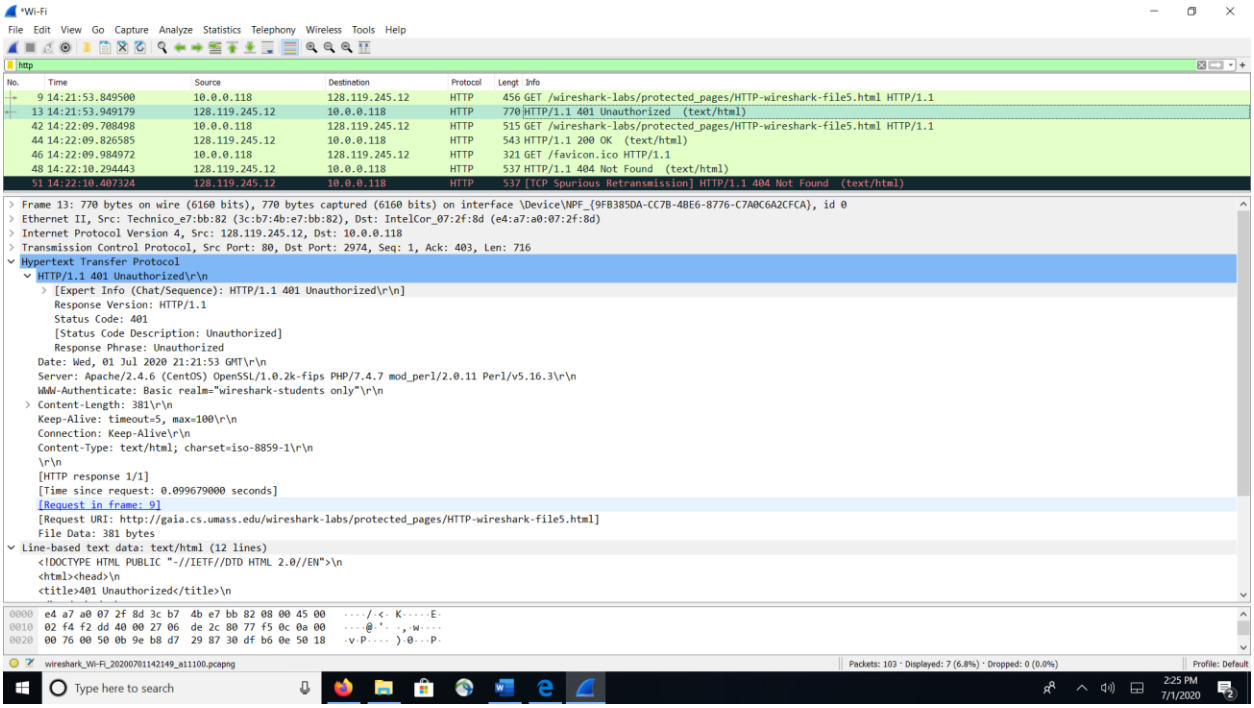


17. Can you tell whether your browser downloaded the two images serially, or whether they were downloaded from the two web sites in parallel? Explain.

I believe that my browser downloaded the images serially since the first one completed before the other one started.

18. What is the server's response (status code and phrase) in response to the initial HTTP GET message from your browser?

The code and response for the GET request. Status Code: 401, Response Phrase: Unauthorized



19. When your browser's sends the HTTP GET message for the second time, what new field is included in the HTTP GET message?

Authorization: Basic d2lyZXNoYXJrLXN0dWRlbnRzOm5ldHdvcms=\r\n