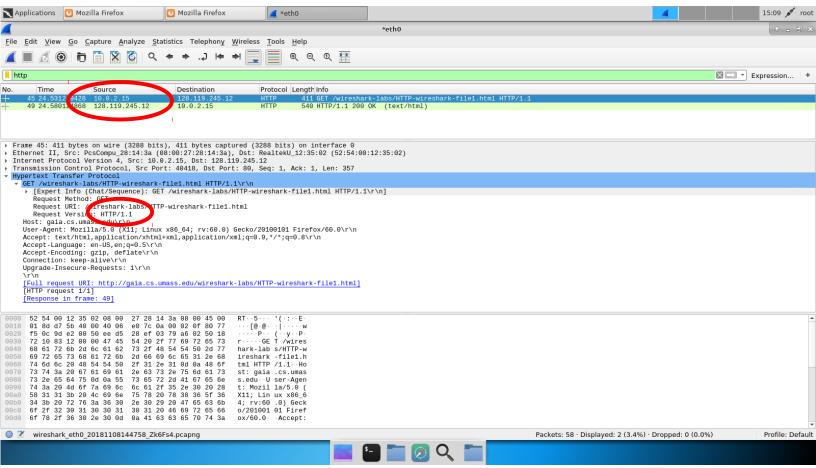
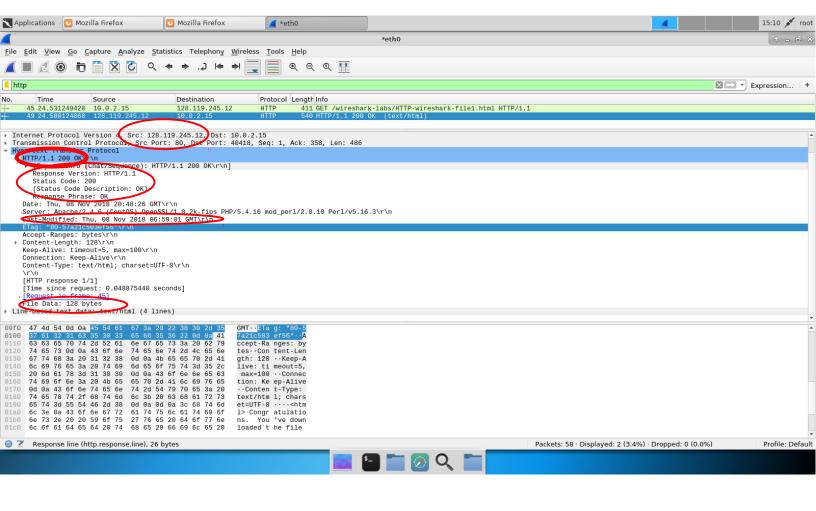
Wireshark Lab: HTTP

Questions:

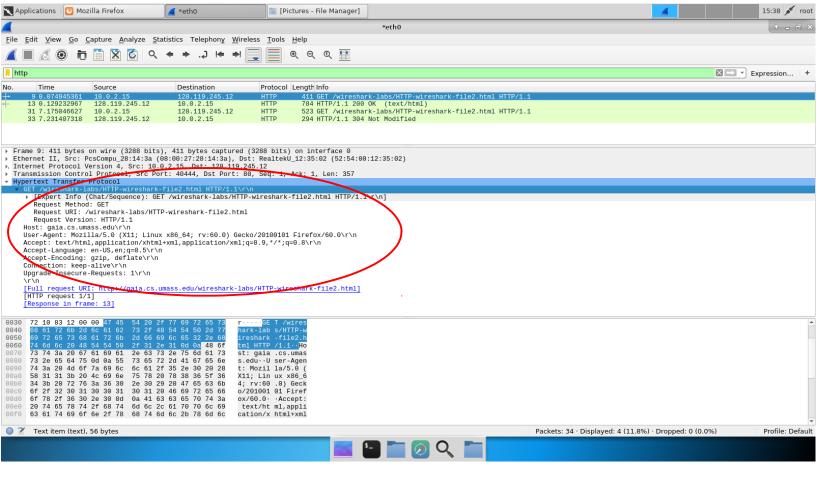
- 1. My browser is running HTTP 1.1, the server is running HTTP 1.1(shown in next picture)
- 2. en-US, en languages (english)
- 3. My IP = 10.0.2.15 Server IP = 128.119.245.12



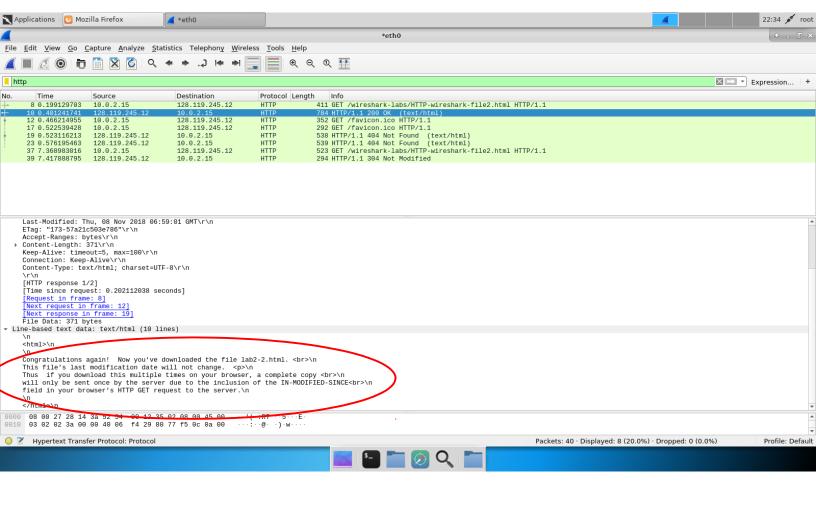
- 4. Status Code is 200 Phrase is 'OK'
- 5. Modified Last Nov 8th at 06:59PM GMT
- 6. 128 bytes
- 7. The expert info header



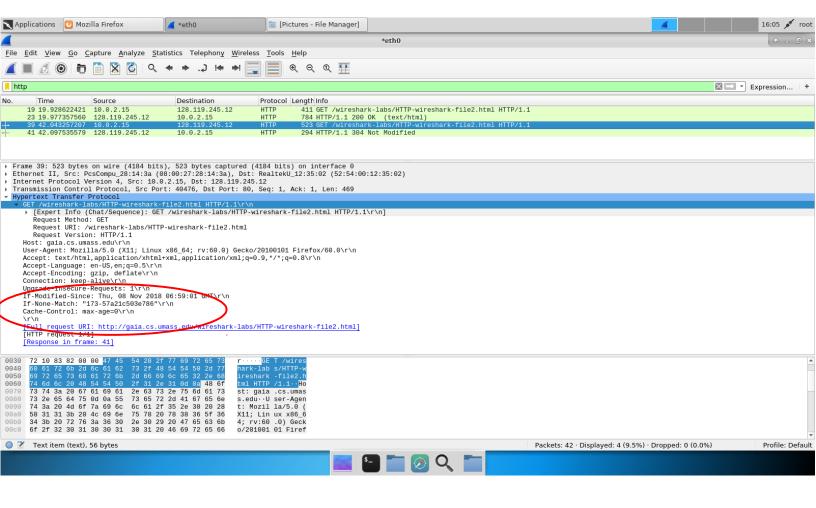
8. No, it is not there in the first message



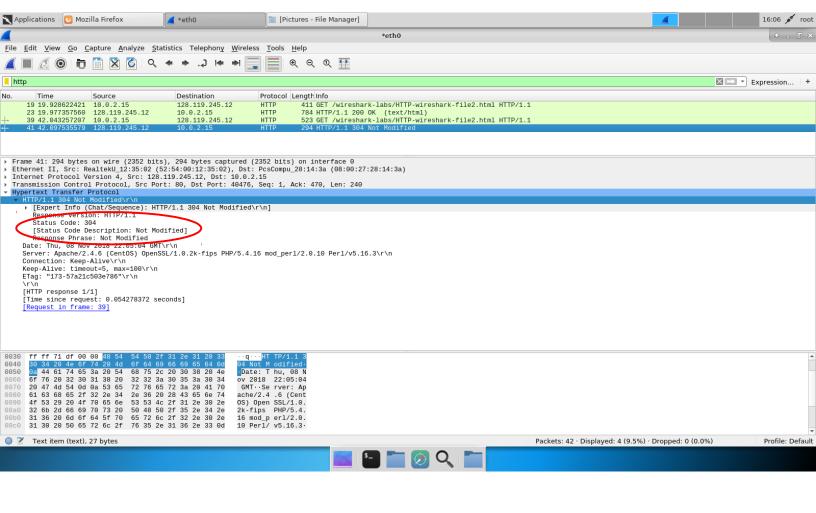
9. Yes, the contents are located in the Line-based text data, it is returned here



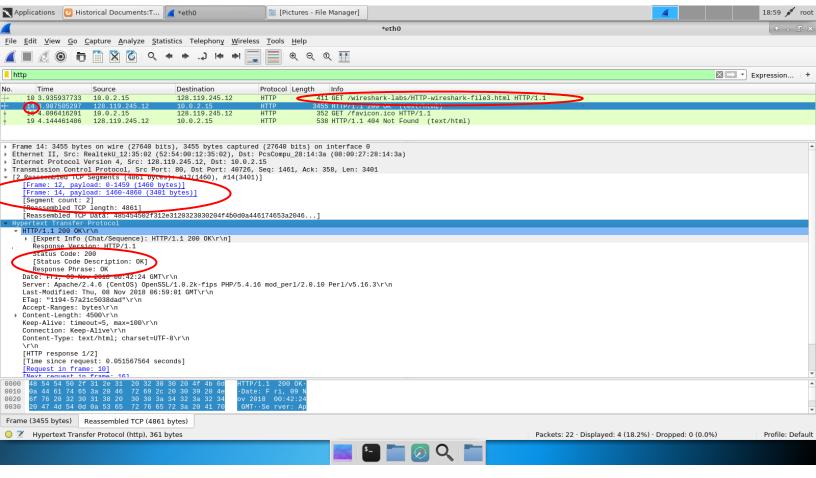
10. Yes, the line exists in the second HTTP GET request. If-non-match and cache-control follow.



11. The status code is 304 and response phrase is 'Not Modified'



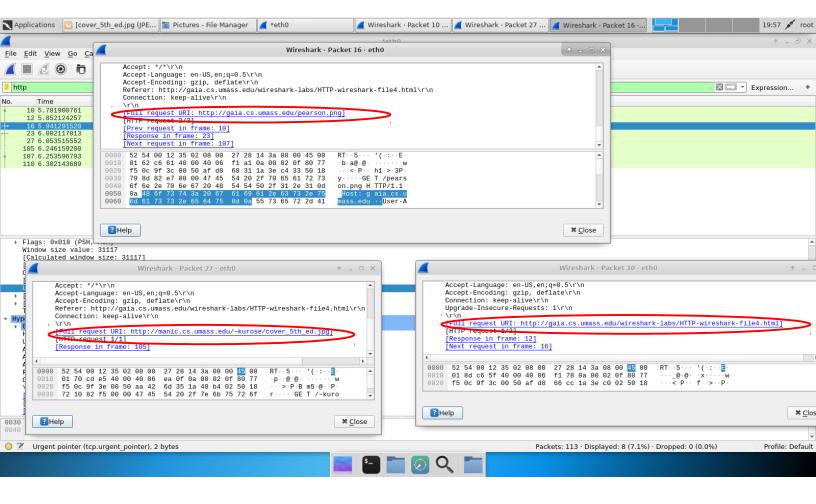
- 12. My browser sent 1 GET request for the .html and one for favicon.ico, which returns 404 not found from the server. Packet number 10 contains the GET for the Bill of Rights.
- 13. Packet 14
- 14. Status Code is 200 Phrase is 'OK'
- 15. 2 Re-assembled TCP Segments 1460+3401 bytes for a total of 4861 bytes.



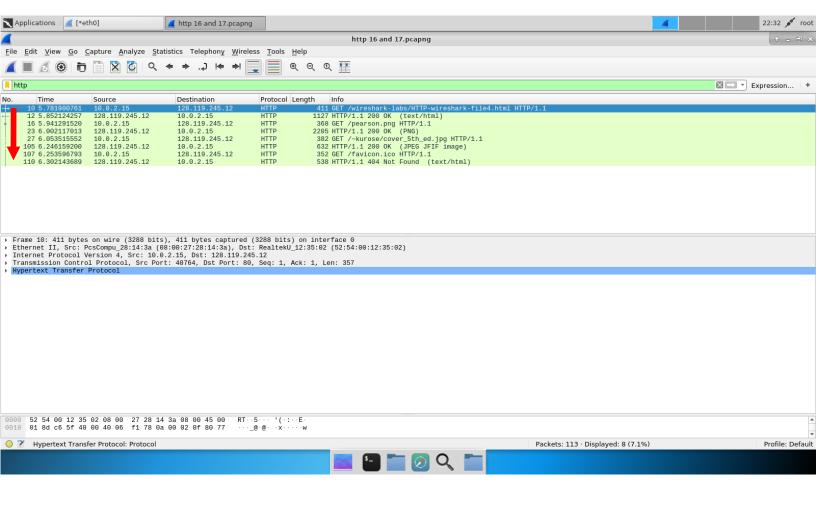
16. Ignoring the 404 not found returned from a GET for an icon image, there are 3 GET requests. These were sent to:

http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file4.html http://gaia.cs.umass.edu/pearson.png http://manic.cs.umass.edu/~kurose/cover_5th_ed.jpg

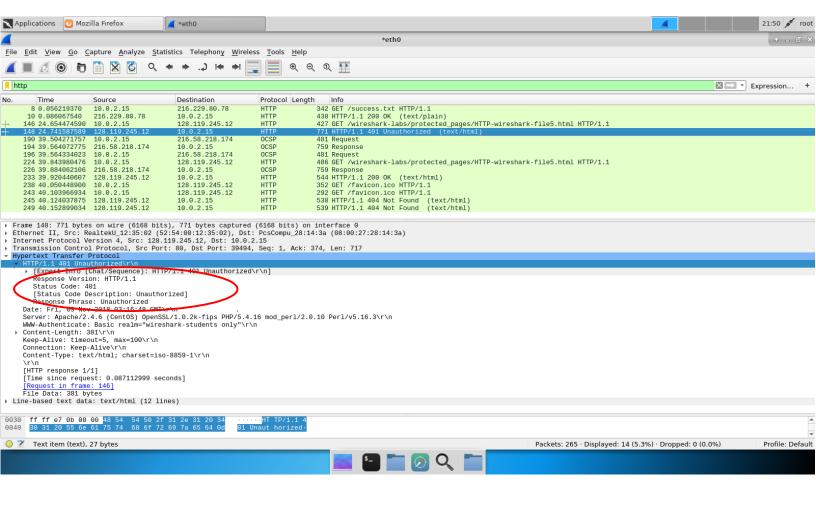
all show as IP 128.119.245.12 as highlighted as the destination for these requests



17. Packet 23 contains the image for GET request at packet 16. Packet 105 contains the jpeg image for GET request 27. These requests are being made serially as they come one after another. This can be seen in the Frame data on the timestamp as well.



18. The initial GET is for success.txt, this response code and phrase is 200, OK. The second GET, packet 146, is for the protected page and the response status code and phrase is 401 Authorization Required in packet 148.



19. Authorization: Basic is the new field.

