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4/20/2017
CSCD330
Lab #2

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

    Mine is running HTTP 1.1, destination is running HTTP 1.1 as well.

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

    en-US and en.

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

    Mine is: 10.102.135.103, destination: 128.119.245.12.

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

    200.

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

    Friday April 21, 2017.

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 do not see any.

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 there is not.

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

Yes, it shows the exact message that was displayed in the browser.

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?

Yes there is. After this there is the last time this file was modified.

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 was 304 this time. No, it did not.

12. How many HTTP GET request messages were sent by your browser?

Just one was sent.

13. How many data-containing TCP segments were needed to carry the single HTTP Response?

There was 5.

14. What is the status code and phrase associated with the response to the HTTP GET Request?

It was 200.

15. Are there any HTTP status lines in the transmitted data associated with a TCP induced "Continuation"?

No.

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

401 Authentication Required.

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 field.