### **GSI023 - REDE DE COMPUTADORES**

# Computer Networking – J. F. Kurose and K. W. Ross – 7th Edition Chapter 2 – Camadas de Aplicação

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

O navegador está rodando a versão 1.1 do HTTP. O server está rodando a versão 1.1 do HTTP.

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

Accept-Language: pt-BR,pt;q=0.9,en-US;q=0.8,en;q=0.7

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

IP do Computador: 10.14.79.51

IP do Sever: 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?

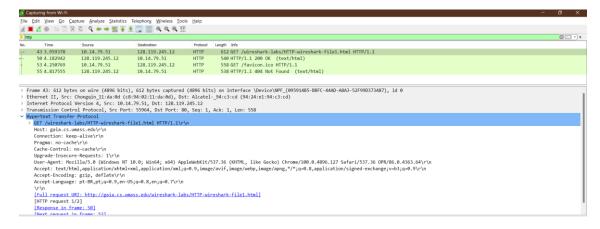
Last-Modified: Thu, 19 May 2022 05:59:02 GMT

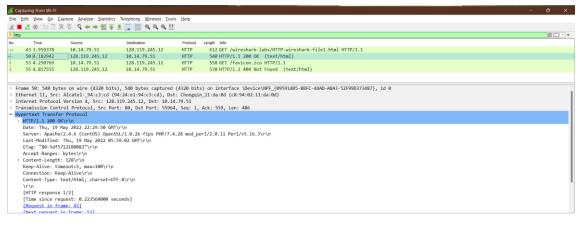
6. How many bytes of content are being returned to your browser?

Content-Length: 128 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.

Na packet-listing window possui apenas linha de estado, diferente do packet content window que possui as demais informações do cabeçalho.





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?

Não há a linha "IF-MODIFIED-SINCE" na primeira requisição.

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

Sim, como Podemos ver no print a baixo, os dados da requisição foram recuperados.



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?

### Sim.

If-Modified-Since: Thu, 19 May 2022 05:59:02 GMT

- 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.
- 304 Not Modified. Não foi necessário retornar o conteúdo pois como não houve modificação, o arquivo já consta no cache.



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?

1 requisição HTTP GET. 119.

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

131.

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): #128(1254), #129(1254), #130(1254), #131(1099)]

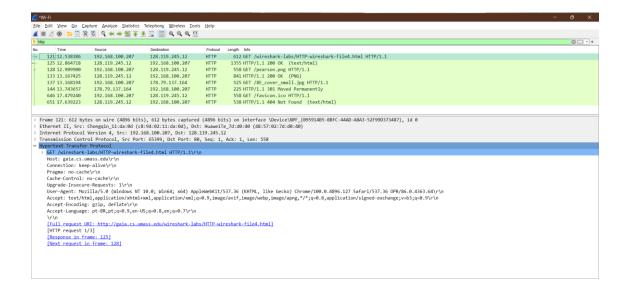


16. How many HTTP GET request messages did your browser send? To which Internet addresses were these GET requests sent?

4 GET. 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.

As imagens são baixadas de modo sequêncial, como é observado nas requisições, o cliente executa dois GET diferentes (uma para cada imagem) seguidos.



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

#### 401 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=

