

Wireshark Lab: HTTP v7.0

Supplement to Computer Networking: A Top-Down

Approach, 7th ed., J.F. Kurose and K.W. Ross

Enter the following to your browser

<http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file1.html>

Your browser should display the very simple, one-line HTML file.

1. The browser is running HTTP version 1.1. The server is running HTTP version 4.
2. The accepted languages are: en-US, en. So, English of the United States.
3. My IP address is 129.8.216.83. The destination address for the server is 128.119.245.12
4. The status code is 200 is returned from server to browser.
5. The last file was modified Monday, October 14th, 2024 05:59:01 GMT
6. The total number of bytes returned to the browser: 128 bytes
7. I do not see any headers not displayed in the packet-listing window.
8. I do not see any if-modified-since lines.
9. Yes, it did return, you can tell by seeing the return lines of html in the packet. Within Line-based data.
10. I do not see any if-modified-since lines in this packet either.
11. The status code is 404, Response Phrase: Not Found. The server did not explicitly return the contents of the file.
12. I only see that one HTTP GET request message was sent from the browser. The packet number for the trace containing the GET message for the Bill of Rights was packet number 1850.
13. The packet number in the trace containing the status code and phrase associated with the response to the GET request is packet number 2054.
14. The status code of the response was 200, and the phrase was "OK".
15. There were 4 total data-containing TCP segments to carry the HTTP response and text.
16. 4 total HTTP GET request messages were sent. They were sent to the address of 128.119.245.12 and address 178.79.137.164.
17. I sadly could not tell whether they downloaded serially or from two sites in parallel. I am unsure how to determine this.
18. The response status code was 401, and the phrase was "Unauthorized" in response to the initial GET message.
19. The new field included in the GET message was the Authorization field.
- 20.