

1. My browser is running HTTP 1.1. The server is also running HTTP 1.1.
2. My browser is indicating that it will accept English of any kind, but specifically en-us.
3. The IP address of my computer is 192.168.2.3. The IP address of the server is 128.119.245.12
4. 200.
5. Last modified on October 3, 2014 at 20:04:01 GMT
6. 496 bytes.
7. DNS and ICMP headers are not shown in the packet content window.

8. No, there is no If-Modified-Since line.
9. Yes. There is a response of 200, which returns the actual data.
10. Yes, there is an If-Modified-Since line. The value is Fri, Oct 03, 2014 20:21:01 GMT.
11. The server returned 304, and doesn't explicitly return anything, due to the conditional check.

12. The browser sent a single GET request. It was packet number 4 in the trace.
13. Packet number 12.
14. Status code 200, with a response containing the HTML of the page.
15. 7 TCP packets were needed. Those packets were the numbers between the GET request and the response.

16. The browser sent 4 separate GET requests. The requests were sent to gaia.cs.umass.edu, manic.cs.umass.edu, caite.cs.umass.edu and www.pearsonhighered.com
17. The images were downloaded in parallel: the GET requests were sent one after the other, without waiting for a response to come back first.

18. The initial response was 401 Authorization Required.
19. A new "Authorization: Basic" line was added to the HTTP header.