Taking Wireshark for a Test Run

Read the **Wireshark_HTTP_v7.0.pdf** if you need additional help.

- Start `CSC361-VM`.
- Start Wireshark with **Capture Filter** set to `host web.uvic.ca`.
- Start capture packets from `eth0` (whichever is your default network interface).
- Open Firefox (or any browser) and clear all its histories and content data.
- Enter the URL http://web.uvic.ca/~mcheng/lab1/csc100.html.
- After the page loaded, do it again using “reload”.
- Now, you can stop capturing packets in Wireshark but don’t close it.
- After you have completed all the answers, save the Wireshark session into a `.pcap` file.
- Close Firefox and Wireshark. You are done!

Questions

Answer the following questions in the space provided. Submit your answers (a modified version of this file) as an attachment to the submission box. (**Note**: You don’t need to attach your saved `.pcap` file. But we may ask you to show it in the lab.)

1. What is the **source IP address** of the HTTP request?

   206.87.177.243

2. What is the **destination IP address** of the HTTP response?

   142.104.197.80

3. What is the **length** of the HTTP response body text in bytes (just the `csc100.html` file,

   not including all other images)?

   458 bytes

4. Which **versions** of HTTP protocol are running on the client and on the server?

   HTTP 1.1

5. What is the **HTTP status code** returned by the server?

   200

6. When is the **last-modified date** of the requested file `csc100.html`?

   Wed, 15 Aug 2018 23:38:03 GMT\r\n

7. Did you find the HTTP request with `If-Modified-Since:`? What is the packet number? (**Note**: If not, try reload the page.)

   NO

8. Did you see the response status code `304 Not Modified`? What is the packet number? (**Note**: If not, try reload the page.)

   NO

9. In total, how many HTTP GET requests were sent in order to download the whole of `csc100.html` file, including all images?
   5 GET requests

10. What is the TCP port number used by your browser to download the whole of `csc100.html` file, including all images?
    port 60833

11. Did you find the HTTP request with `If-Modified-Since:`? What is the packet number? (**Note**: If not, try reload the page.) 0250

12. Did you see the response status code `304 Not Modified`? What is the packet number? (**Note**: Try reload the page.)040