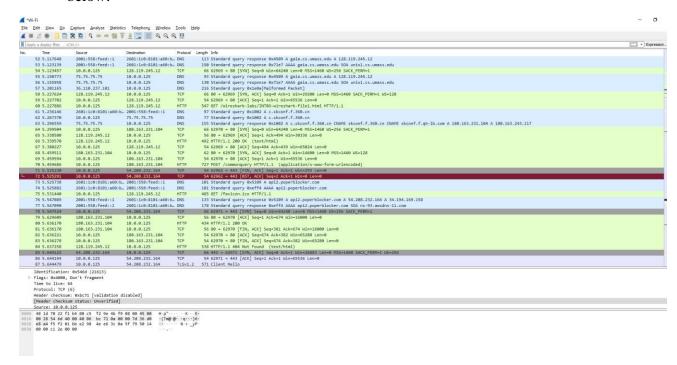
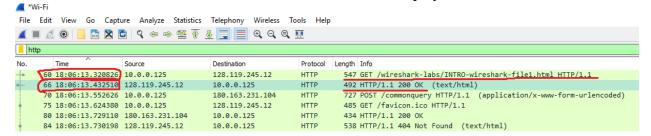
CS 372 – Lab 1

Hao (Jeff) Deng

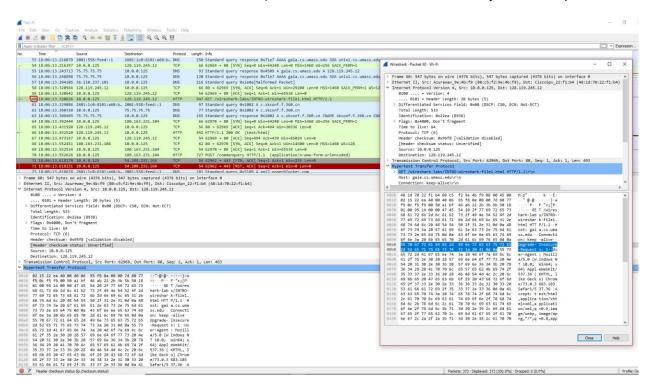
- 1. List 3 different protocols that appear in the protocol column in the unfiltered packet-listing window in step 7 above.
 - The 3 different protocols are: DNS, TCP, and HTTP as you can see the screenshot below:

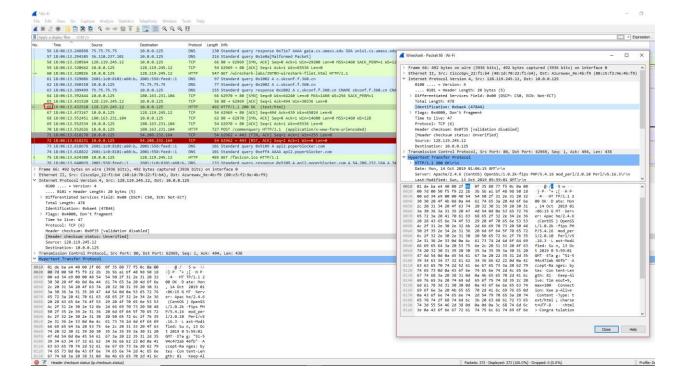


- 2. How long did it take from when the HTTP GET message was sent until the HTTP OK reply was received? (By default, the value of the Time column in the packet-listing window is the amount of time, in seconds, since Wireshark tracing began. To display the Time field in time-of-day format, select the Wireshark View pull down menu, then select Time Display Format, then select Time-of-day.)
 - The amount of time it took to receive HTTP OK replay was 0.11 seconds.



- 3. What is the Internet address of the gaia.cs.umass.edu (also known as www-net.cs.umass.edu)? What is the Internet address of your computer?
 - The Internet address of the website is **128.119.245.12** and the address for my computer is **10.0.0.125**. The image above can support this with detail.
- Screenshot the two HTTP messages (GET and OK) referred to in question 2 above. Make sure to include all pertinent information in the screenshot (Time field, Internet addresses, etc). Paste these screenshots into your lab report.





Extra Credit:

MINGW64:/c/Users/Jeffster/Desktop

```
Jeffster@Jeffster MINGW64 ~/Desktop
$ python cs372_lab1EC.py
200 OK
Date : Mon, 14 Oct 2019 02:43:56 GMT
Server : Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/5.4.16 mod_perl/2.0.10 P
r1/v5.16.3
Last-Modified : Sun, 13 Oct 2019 05:59:01 GMT
ETag : "51-594c472ab46fb"
Accept-Ranges : bytes
Content-Length: 81
Keep-Alive : timeout=5, max=100
Connection : Keep-Alive
Content-Type : text/html; charset=UTF-8
Congratulations! You've downloaded the first Wireshark lab file!
</html>
 effster@Jeffster MINGW64 ~/Desktop
$
 cs372_lab1EC.py
  C: > Users > Jeffster > Desktop > ♥ cs372_lab1EC.py > ...
    1 import requests
        result = requests.get("http://gaia.cs.umass.edu/wireshark-labs/INTRO-wireshark-file1.html")
        headers = result.raw._original_response.msg._headers
        print(result.status_code, " ", result.reason)
        for i in headers:
            print(i[0], ": ", i[1]) \text{ # This prints out the information from the request}
        # I got helped from Stack Overflow and the class slide
   13
        print("\n", result.text)
```