

## Lab 1

The goal of this first lab was primarily to introduce you to Wireshark. The following questions will demonstrate that you've been able to get Wireshark up and running, and have explored some of its capabilities. Answer the following questions, based on your Wireshark experimentation:

1. List 3 different protocols that appear in the protocol column in the unfiltered packet-listing window in step 7 above.

**TCP, DNS, SSL were 3 of the protocols that appeared in the protocol column.**

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 HTTP message was sent at 10:48:08.185261 and the OK reply was received at 10:48:08.299988 so it took .114727 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?

**Address of the gaia.cs.umass.edu: 128.119.245.12**

**Address of my computer: 192.168.0.106**

4. 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.

No.	Time	Source	Destination	Protocol	Length	Info
68	10:48:08.185261	192.168.0.107	128.119.245.12	HTTP	479	GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1
70	10:48:08.299988	128.119.245.12	192.168.0.107	HTTP	494	HTTP/1.1 200 OK (text/html)