Mihai Dan

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CS 372

Lab 1

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

1. HTTP

2. TCP

3. UDP

**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.)

HTTP GET message time: 153.239273000

HTTP OK message time: 153.460304000

To find out how long it took the website to reply to the initial GET message, the HTTP GET message time will be subtracted from the HTTP OK message time. This looks like:

153.460304000 - 153.239273000 = 0.221031000 seconds

The HTTP OK message was received 0.221031000 seconds after the HTTP GET message.

**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?

gaia.cs.umass.edu Internet address: 128.119.245.12

My computer Internet address: 172.16.0.14

**4.** Print the two HTTP messages (GET and OK) referred to in question 2 above. To do so, select Print from the Wireshark File command menu, and select the “Selected Packet Only” and “Print as displayed” radial buttons, and then click OK.

