CSUS, College of Engineering and Computer Science

Department of Computer Science

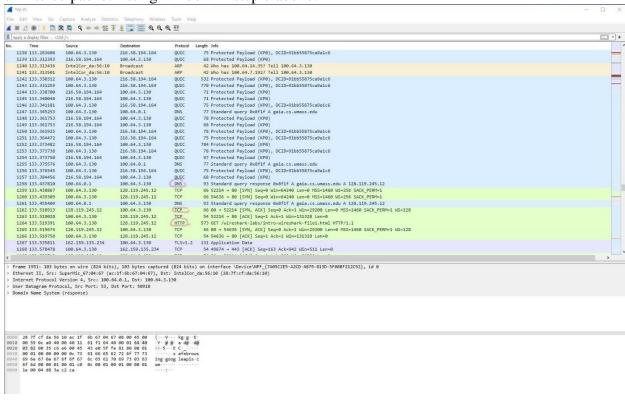
CSC/CPE 138 – Computer Network and Internet

Lab 1 - Wireshark – Introduction

What to hand in

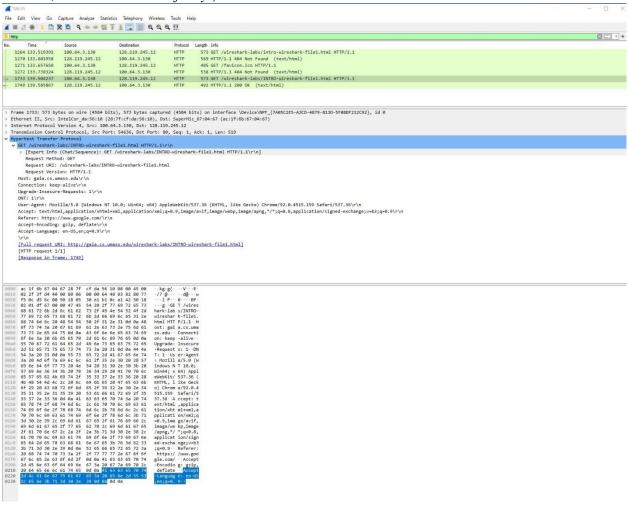
The goal of this first lab was primarily to introduce you to Wireshark. The following questions will demonstrate that you've been able to get Wireshark up and running, and have explored some of its capabilities. Answer the following questions, based on your Wireshark experimentation:

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



- DNS
- TCP
- HTTP
- 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 packetlisting window is the amount of time, in seconds, since Wireshark tracing began. To display the Time field in time-of-day format,

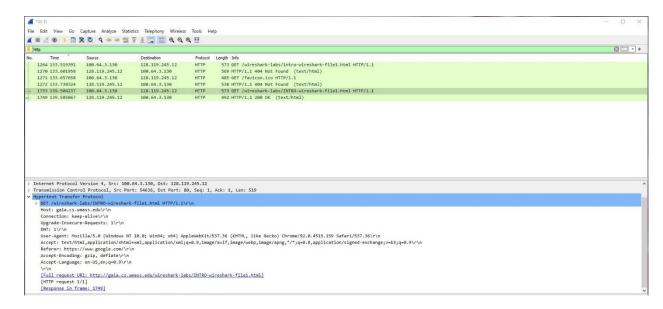
select the Wireshark *View* pull down menu, then select Time *Display Format*, then select *Time-of-day*.)



- 139.585867 139.504237 = **0.08163 seconds** for the HTTP GET request to be received by the server and the OK message to be sent back to my computer.
- 3. What is the Internet address of the gaia.cs.umass.edu (also known as wwwnet.cs.umass.edu)? What is the Internet address of your computer?
 - Internet address of the gaia.cs.umass.edu: 128.119.245.12
 - Internet address of my computer: 100.64.3.130
- 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.

Youser Alalusi

Get:



OK:

