TTM4100 - Lab 1

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1 QUESTION 1

1 Question 1

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

Answer: TCP, DNS, HTTP

2 Question 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.)"

Answer:

N	٥.	Time	Source	Destination	Protocol	ol Length Info	
К	>	282 12:06:14.84369	2 192.168.1.17	128.119.245.12	HTTP	555 GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1	. 1
4	-	288 12:06:14.99103	3 128.119.245.12	192.168.1.17	HTTP	504 HTTP/1.1 200 OK (text/html)	

Figur 1: Snippet of Wireshark trace

The GET message was sent **12:06:14.843692** and the OK message was recieved **12:06:14.991033**, so it took about **0.147341** seconds.

3 Question 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?"

Answer: From figure 1, we see that the Internet address of **gaia.cs.umass.edu** is **128.119.245.12** (The destination in the GET message) and the Internet address for my computer is **192.168.1.17** (the source address in the GET message).

4 QUESTION 4 2

4 Question 4

"Take screenshots of the two HTTP messages (GET and OK) referred to in question 2 above. The screenshots should include the packet-header window for these messages and the packet list window (see the beginning of this tutorial for the descriptions of the different windows)."

Answer:

Figur 2: Get message

Figur 3: OK message