CS4392/5376: Computer Networks/Communication Networks

Summer II 2021

Homework #1

• Full name only: \_\_\_\_\_\_\_\_Chen Zhang\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

• Release date: June 7th, 2021 (Wednesday)

• Due date: July 13th, 2021 (Tuesday) before midnight, 11:59 PM

• It should be done INDIVIDUALLY; Show ALL your work; Write your answer in a Word file and

submit it through the Blackboard; You can screen capture for print.

• Total: 25 pts

1. Read “Wireshark Lab: Getting Started”, install Wireshark (https://www.wireshark.org/), and follow 10

steps shown in the section “Taking Wireshark for a Test Run”. Answer four questions shown in the

section “What to hand in”.

[5 pts]

1. List 3 different protocols that appear in the protocol column in the unfiltered

packet-listing window in step 7 above.

Answer:

* STP
* TCP
* 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 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.)

Answer:

It took 0.058 seconds

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?

Answer:

The internet address of the gaia.cs.umass.edu is 128.119.245.12

The internet address of my computer is 100.64.6.91

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.

Answer:

I tried but the print not working on my computer.

Graphical user interface, application

Description automatically generated

2. Read “Wireshark Lab: HTTP” and answer 19 questions.

[20 pts]