

# **ENTERPRISE INFRASTRUCTURE AND NETWORKS**

**IT 520**

**Lab #1**

**Dalal Alshahil**

**Due to: 02/04/2019**

## Question #1:

What is the Internet address of your computer?

10.8.54.164

Internet Protocol Version 4, Src: 10.8.54.164, Dst: 128.119.245.12

Transmission Control Protocol, Src Port: 56349, Dst Port: 80, Seq: 1, Ack: 1, Len: 526

Hypertext Transfer Protocol

GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1\r\nHost: gaia.cs.umass.edu\r\nConnection: keep-alive\r\n

0000 00 2c c8 59 ec bf ac bc 32 9f 86 ed 08 00 45 02 . . Y . . . 2 . . . E .  
0010 02 42 00 00 40 00 40 06 82 84 0a 08 36 a4 80 77 . . B . @ . @ . . . . 6 . . w  
0020 f5 0c dc 1d 00 50 c7 aa 4f d5 bb 53 22 bf 80 18 . . . P . . 0 . S " . .  
0030 10 29 30 e0 00 00 01 01 08 0a 04 6a 23 d6 d9 be ) ) 0 . . . . . j # . .  
0040 66 8f 47 45 54 20 2f 77 69 72 65 73 68 61 72 6b n GET /w ireshark  
0050 2d 6c 61 62 73 2f 49 4e 54 52 4f 2d 77 69 72 65 -labs/IN TR0-wire  
0060 73 68 61 72 6b 2d 66 69 6c 65 31 2e 68 74 6d 6c shark-fi le1.html  
0070 26 48 54 54 50 2f 31 2e 31 0d 0a 48 6f 73 74 3a HTTP/1. 1 : Host:  
0080 20 67 61 69 61 2e 63 73 2e 75 6d 61 73 73 2e 65 gai a.cs .umass.e  
0090 64 75 0d 0a 43 6f 6e 66 65 63 74 69 6f 6e 3a 20 du .Conn ection:  
00a0 6b 65 65 70 2d 61 6c 69 76 65 0d 0a 55 70 67 72 keep-ali ve .Upgr

System Preferences

Network

Location: Automatic

Wi-Fi

Status: Connected Turn Wi-Fi Off

Wi-Fi is connected to muwireless and has the IP address 10.8.54.164.

Network Name: muwireless

Automatically join this network

Ask to join new networks

Show Wi-Fi status in menu bar

Click the lock to make changes.

2

## Question #2:

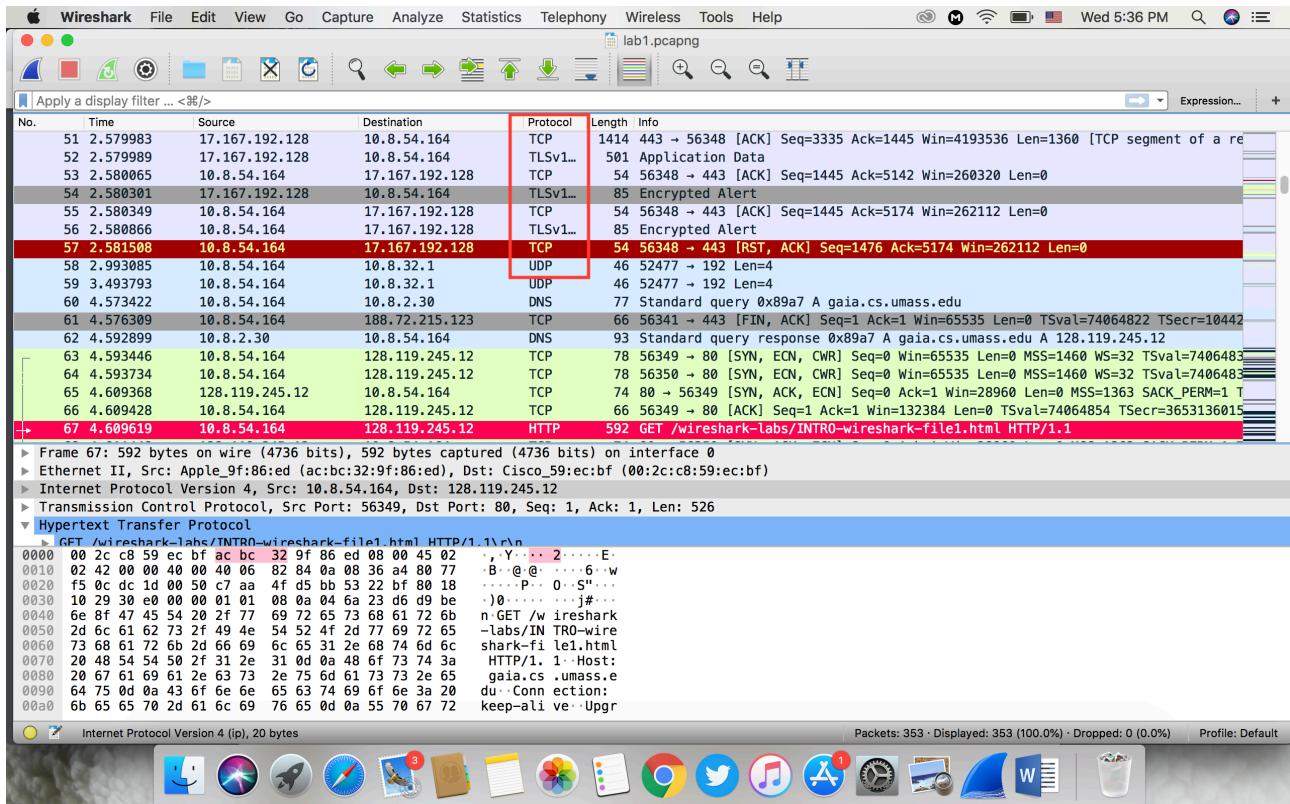
List 3 different protocols that appear in the protocol column in the unfiltered packetlisting window in step 7 above.

Protocols:

TCP

TLSv1

UDP



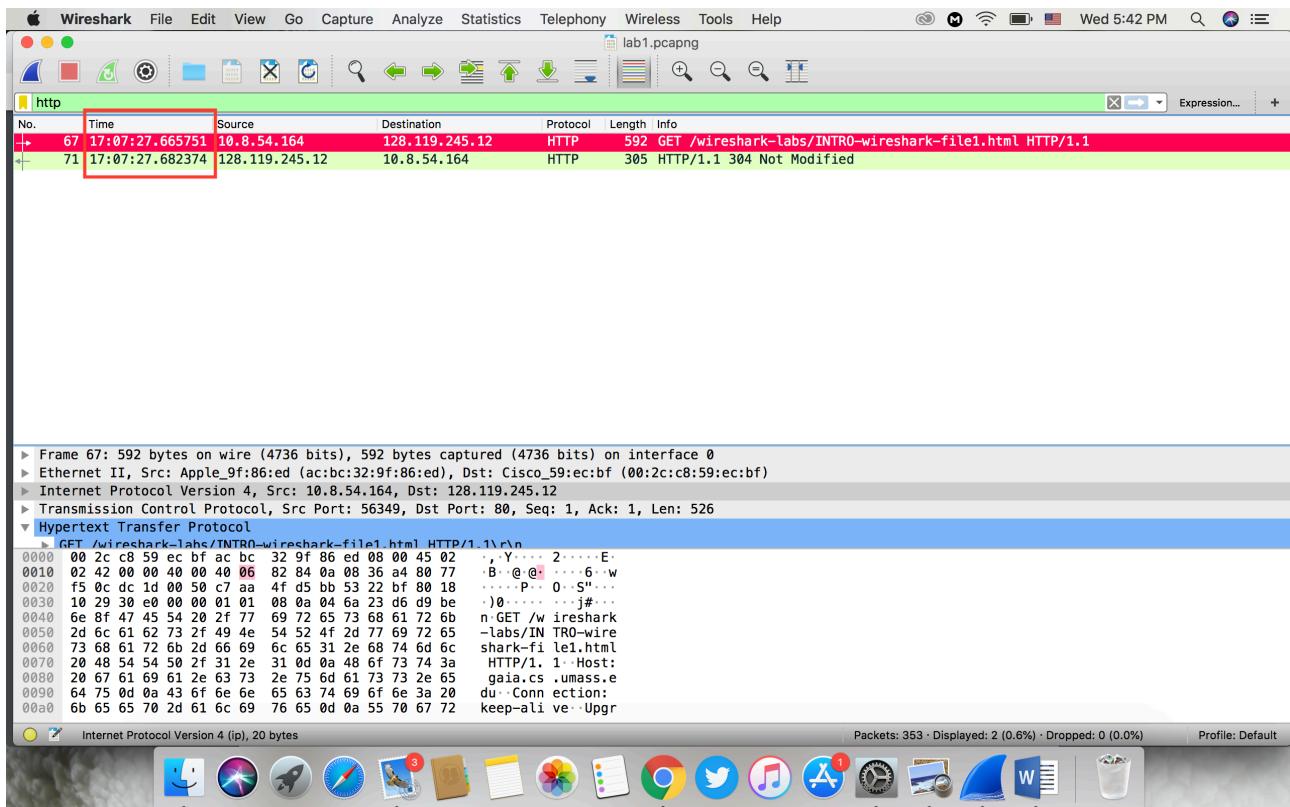
## Question #3:

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.)

Time:

17:07:27.665751

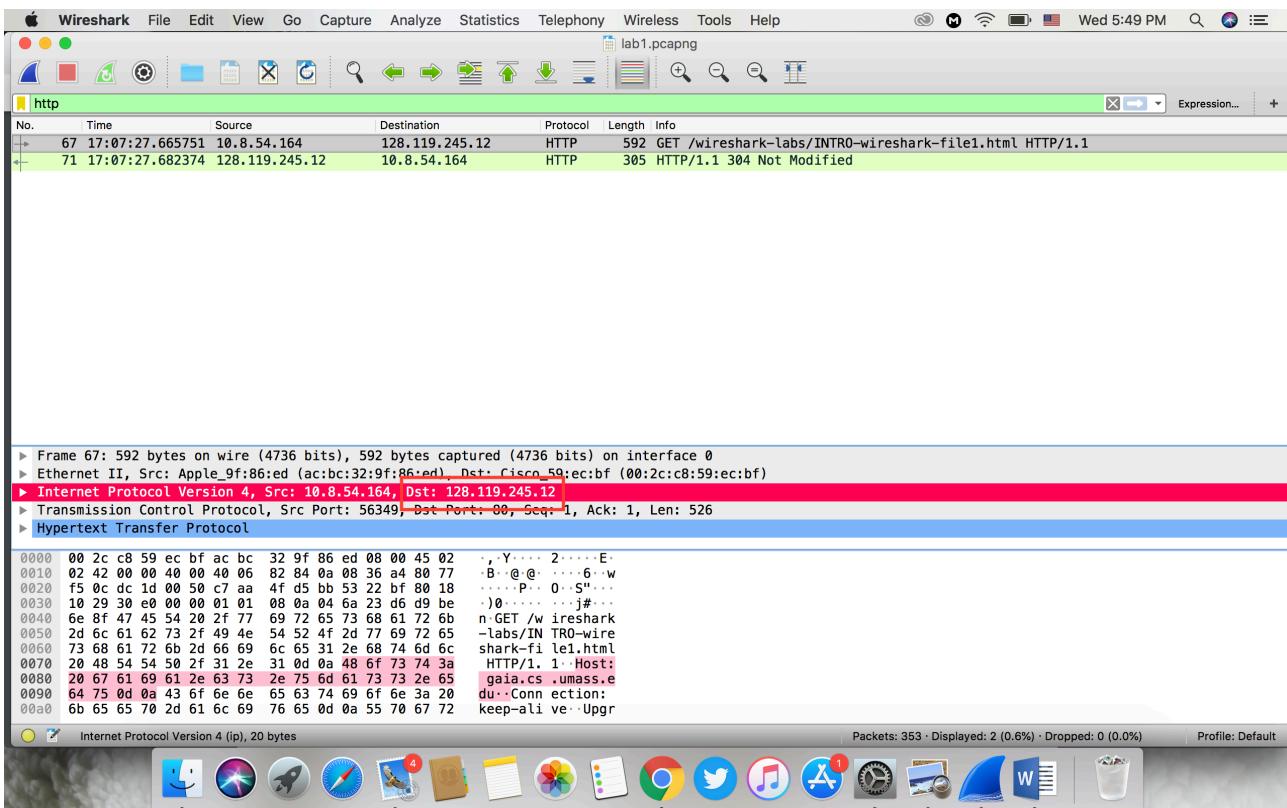
17:07:27.682374



## Question #4:

What is the Internet address of the gaia.cs.umass.edu (also known as wwwnet.cs.umass.edu)?

128.119.245.12



**Question #5:**

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.

I attached the printed file to the lab.