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CS 372: Introduction to Computer Networks

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Wireshark Lab 1

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

MDNS, ARP, TCP, UDP, SSDP, HTTP, DNS, TLSv1, TLSv1.2, ICMP, IPV4, QUIC.

I know we only had to list 3, but I just listed whatever I could see.

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*.)

Time on GET Request: 11.533517 seconds

Time on OK response: 11.668467 seconds

Overall time: 0.13495 seconds, 134.95 milliseconds

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?

Note: I am assuming that my address is the source of the GET request and gaia's address is the destination of the GET request. I also assume that my address is the source of the ok request, and gaia's address is the destination of the OK request.

My address: 192.168.1.10

Address of gaia.cs.umass.edu: 128.119.245.12

4. Screenshot the two HTTP messages (GET and OK) referred to in question 2 above. Make sure to include all pertinent information in the screenshot (Time field, Internet addresses, etc). Paste these screenshots into your lab report.

I've attached the screenshots with the report because if scaled only to the size of the page while maintaining the aspect ratio, it is unreadable. Otherwise, it is very distorted.