

LAB 1B

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* Khi em sử dụng đường link: <http://gaia.cs.umass.edu/wireshark-labs/INTRO-wireshark-file1.html> theo yêu cầu của đề bài thì khi nhận respond về lại ra mã lỗi 404 khác với yêu cầu của những câu hỏi bên dưới. Em đã thử nhiều lần nhưng respond vẫn ra mã lỗi 404 nên em xin phép thầy ở bài Lab1B này em sử dụng file http-ethereal-trace-1 để làm.

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

UDP, TLSv1.2, STUN, TCP, QUIC

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.)

12:29:47.83 - 12:29:47.86 = 0.03s

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?

Internet address of the gaia.cs.umass.edu 128.119. 245.12

Internet address of my computer 192.168.1.102

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.

No.	Time	Source	Destination	Protocol	Length	Info
10	12:29:47.838388	192.168.1.102	128.119.245.12	HTTP	555	GET /ethereal-labs/lab2-1.html HTTP/1.1

Frame 10: 555 bytes on wire (4440 bits), 555 bytes captured (4440 bits)
 Ethernet II, Src: Dell_4f:36:23 (00:08:74:4f:36:23), Dst: LinksysG_da:af:73 (00:06:25:da:af:73)
 Internet Protocol Version 4, Src: 192.168.1.102, Dst: 128.119.245.12
 Transmission Control Protocol, Src Port: 4127, Dst Port: 80, Seq: 1, Ack: 1, Len: 501
 Hypertext Transfer Protocol
 GET /ethereal-labs/lab2-1.html HTTP/1.1\r\n
 Host: gaia.cs.umass.edu\r\n
 User-Agent: Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US; rv:1.0.2) Gecko/20021120 Netscape/7.01\r\n
 Accept: text/xml,application/xml,application/xhtml+xml,text/html;q=0.9,text/plain;q=0.8,image/png,image/jpeg,image/gif;q=0.2,text/css,*/*;q=0.1\r\n
 Accept-Language: en-us, en;q=0.50\r\n
 Accept-Encoding: gzip, deflate, compress;q=0.9\r\n
 Accept-Charset: ISO-8859-1, utf-8;q=0.66, *;q=0.66\r\n
 Keep-Alive: 300\r\n
 Connection: keep-alive\r\n
 \r\n
 [Full request URI: http://gaia.cs.umass.edu/ethereal-labs/lab2-1.html]
 [HTTP request 1/2]
 [Response in frame: 12]
 [Next request in frame: 13]

No.	Time	Source	Destination	Protocol	Length	Info
12	12:29:47.862531	128.119.245.12	192.168.1.102	HTTP	439	HTTP/1.1 200 OK (text/html)

Frame 12: 439 bytes on wire (3512 bits), 439 bytes captured (3512 bits)
 Ethernet II, Src: LinksysG_da:af:73 (00:06:25:da:af:73), Dst: Dell_4f:36:23 (00:08:74:4f:36:23)
 Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.1.102
 Transmission Control Protocol, Src Port: 80, Dst Port: 4127, Seq: 1, Ack: 502, Len: 385
 Hypertext Transfer Protocol
 HTTP/1.1 200 OK\r\n
 Date: Tue, 23 Sep 2003 05:29:50 GMT\r\n
 Server: Apache/2.0.40 (Red Hat Linux)\r\n
 Last-Modified: Tue, 23 Sep 2003 05:29:00 GMT\r\n
 ETag: "1bfed-49-79d5bf00"\r\n
 Accept-Ranges: bytes\r\n
 Content-Length: 73\r\n
 Keep-Alive: timeout=10, max=100\r\n
 Connection: Keep-Alive\r\n
 Content-Type: text/html; charset=ISO-8859-1\r\n
 \r\n
 [HTTP response 1/2]
 [Time since request: 0.024143000 seconds]
 [Request in frame: 10]
 [Next request in frame: 13]
 [Next response in frame: 14]
 [Request URI: http://gaia.cs.umass.edu/favicon.ico]
 File Data: 73 bytes
 Line-based text data: text/html (3 lines)