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9/17/23
CSC 138
Professor Tran

Lab #1

1. HTTP
2. 17.043055 - 16.941950 = .101105 seconds
3. Gaia.cs.umass.edu: 128.119.245.12, my computer: 10.0.0.85
4. Chrome
5. 80

```
No.      Time              Source              Destination          Protocol Length Info
   876 00:35:16.941950     10.0.0.85           128.119.245.12       HTTP     542    GET /
wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1
Frame 876: 542 bytes on wire (4336 bits), 542 bytes captured (4336 bits) on interface en0, id 0
Ethernet II, Src: Apple_7b:33:66 (a0:78:17:7b:33:66), Dst: VantivaU_03:21:93 (a4:56:cc:03:21:93)
Internet Protocol Version 4, Src: 10.0.0.85, Dst: 128.119.245.12
Transmission Control Protocol, Src Port: 60646, Dst Port: 80, Seq: 1, Ack: 1, Len: 488
Hypertext Transfer Protocol
    GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1\r\n
    Host: gaia.cs.umass.edu\r\n
    Connection: keep-alive\r\n
    Upgrade-Insecure-Requests: 1\r\n
    User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like
Gecko) Chrome/112.0.0.0 Safari/537.36\r\n
    Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/
apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.7\r\n
    Accept-Encoding: gzip, deflate\r\n
    Accept-Language: en-US,en;q=0.9,it;q=0.8\r\n
    \r\n
    [Full request URI: http://gaia.cs.umass.edu/wireshark-labs/INTRO-wireshark-file1.html]
    [HTTP request 1/2]
    [Response in frame: 883]
    [Next request in frame: 888]
No.      Time              Source              Destination          Protocol Length Info
   883 00:35:17.043055     128.119.245.12      10.0.0.85            HTTP     492    HTTP/1.1
200 OK  (text/html)
Frame 883: 492 bytes on wire (3936 bits), 492 bytes captured (3936 bits) on interface en0, id 0
Ethernet II, Src: VantivaU_03:21:93 (a4:56:cc:03:21:93), Dst: Apple_7b:33:66 (a0:78:17:7b:33:66)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 10.0.0.85
Transmission Control Protocol, Src Port: 80, Dst Port: 60646, Seq: 1, Ack: 489, Len: 438
Hypertext Transfer Protocol
    HTTP/1.1 200 OK\r\n
    Date: Sun, 17 Sep 2023 07:35:17 GMT\r\n
    Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/7.4.33 mod_perl/2.0.11 Perl/v5.16.3\r\n
    Last-Modified: Sun, 17 Sep 2023 05:59:01 GMT\r\n
    ETag: "51-60587b8ed4762"\r\n
    Accept-Ranges: bytes\r\n
    Content-Length: 81\r\n
    Keep-Alive: timeout=5, max=100\r\n
    Connection: Keep-Alive\r\n
    Content-Type: text/html; charset=UTF-8\r\n
    \r\n
    [HTTP response 1/2]
    [Time since request: 0.101105000 seconds]
    [Request in frame: 876]
    [Next request in frame: 888]
    [Next response in frame: 889]
    [Request URI: http://gaia.cs.umass.edu/wireshark-labs/INTRO-wireshark-file1.html]
    File Data: 81 bytes
Line-based text data: text/html (3 lines)
```

6.

http

No.	^	Time	Source	Destination	Protocol	Length	Info
876		00:35:16.941950	10.0.0.85	128.119.245.12	HTTP	542	GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1
883		00:35:17.043055	128.119.245.12	10.0.0.85	HTTP	492	HTTP/1.1 200 OK (text/html)
888		00:35:17.127452	10.0.0.85	128.119.245.12	HTTP	488	GET /favicon.ico HTTP/1.1
889		00:35:17.226851	128.119.245.12	10.0.0.85	HTTP	538	HTTP/1.1 404 Not Found (text/html)

> Frame 876: 542 bytes on wire (4336 bits), 542 bytes captured (4336 bits) on interface en0, id 0
> Ethernet II, Src: Apple_7b:33:66 (a0:78:17:7b:33:66), Dst: VantivaU_03:21:93 (a4:56:cc:03:21:93)
> Internet Protocol Version 4, Src: 10.0.0.85, Dst: 128.119.245.12
> Transmission Control Protocol, Src Port: 60646, Dst Port: 80, Seq: 1, Ack: 1, Len: 488
v Hypertext Transfer Protocol
  > GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1\r\n
    Host: gaia.cs.umass.edu\r\n
    Connection: keep-alive\r\n
    Upgrade-Insecure-Requests: 1\r\n
    User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/112.0.0.0 Safari/537.36\r\n
    Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.7\r\n
    Accept-Encoding: gzip, deflate\r\n
    Accept-Language: en-US,en;q=0.9,it;q=0.8\r\n
    \r\n
    [Full request URI: http://gaia.cs.umass.edu/wireshark-labs/INTRO-wireshark-file1.html]
    [HTTP request 1/2]
    [Response in frame: 883]
    [Next request in frame: 888]

0000	a4 56 cc 03 21 9
0010	02 10 00 00 40 0
0020	f5 0c ec e6 00 5
0030	10 00 95 23 00 0
0040	68 61 72 6b 2d 6
0050	77 69 72 65 73 6
0060	68 74 6d 6c 20 4
0070	6f 73 74 3a 20 6
0080	73 73 2e 65 64 7
0090	6f 6e 3a 20 6b 6
00a0	55 70 67 72 61 6
00b0	2d 52 65 71 75 6
00c0	65 72 2d 41 67 6
00d0	61 2f 35 2e 30 2
00e0	3b 20 49 6e 74 6
00f0	20 31 30 5f 31 3
0100	65 62 4b 69 74 2
0110	54 4d 4c 2c 20 6
0120	20 43 68 72 6f 6
0130	30 20 53 61 66 6
0140	0a 41 63 63 65 7
0150	6d 6c 2c 61 70 7
0160	68 74 6d 6c 2b 7
0170	74 69 6f 6e 2f 7
0180	6d 61 67 65 2f 6
0190	77 65 62 70 2c 6
01a0	2a 2f 2a 3b 71 3
01b0	61 74 69 6f 6e 2
01c0	68 61 6e 67 65 3
01d0	0d 0a 41 63 63 6
01e0	67 3a 20 67 7a 6
01f0	0d 0a 41 63 63 6
0200	65 3a 20 65 6e 2
0210	39 2c 69 74 3b 7

Text item (text), 57 bytes   Packets: 947 · Displayed: 4 (0.4%) · Dropped: 0 (0.0%)   Profile: Default