Beomjin Han Csc 138 Dr. Wang Lab 1

- 1. 3 different protocols shown in the packets list are HTTP, TCP, and DNS.
- 2. It took approximately 0.11 seconds from HTTP GET to HTTP OK.
- 3. Internet address of gaia.cs.umass.edu is 128.119.245.12. My PC is 10.0.0.84.
- 4. Printed in the next two pages.

[Next request in frame: 2985]

```
Time
                      Source
                                             Destination
                                                                   Protocol Length Info
No.
   2961 87.005675
                      10.0.0.84
                                             128.119.245.12
                                                                   HTTP
                                                                            514
                                                                                   GET /wireshark-labs/INTRO-wireshark-file1.html
HTTP/1.1
Frame 2961: 514 bytes on wire (4112 bits), 514 bytes captured (4112 bits) on interface 0
Ethernet II, Src: Shenzhen_c3:58:32 (bc:ec:23:c3:58:32), Dst: Technico_4e:89:f1 (a4:56:cc:4e:89:f1)
Internet Protocol Version 4, Src: 10.0.0.84, Dst: 128.119.245.12
Transmission Control Protocol, Src Port: 50685, Dst Port: 80, Seq: 1, Ack: 1, Len: 460
Hypertext Transfer Protocol
    GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1\r\n
        [Expert Info (Chat/Sequence): GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1\r\n]
        Request Method: GET
        Request URI: /wireshark-labs/INTRO-wireshark-file1.html
        Request Version: HTTP/1.1
    Host: gaia.cs.umass.edu\r\n
    Connection: keep-alive\r\n
    Upgrade-Insecure-Requests: 1\r\n
    User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/76.0.3809.132 Safari/
537.36\r\n
    Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,image/apng,*/*;q=0.8,application/signed-
exchange; v=b3\r\n
    Accept-Encoding: gzip, deflate\r\n
    Accept-Language: en-US,en;q=0.9\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: 2964]
```

No. Time Source Destination Protocol Length Info 2964 87.115892 128.119.245.12 10.0.0.84 HTTP 492 HTTP/1.1 200 OK (text/html) Frame 2964: 492 bytes on wire (3936 bits), 492 bytes captured (3936 bits) on interface 0 Ethernet II, Src: Technico\_4e:89:fa (a4:56:cc:4e:89:fa), Dst: Shenzhen\_c3:58:32 (bc:ec:23:c3:58:32) Internet Protocol Version 4, Src: 128.119.245.12, Dst: 10.0.0.84 Transmission Control Protocol, Src Port: 80, Dst Port: 50685, Seq: 1, Ack: 461, Len: 438 Hypertext Transfer Protocol HTTP/1.1 200 OK\r\n [Expert Info (Chat/Sequence): HTTP/1.1 200  $OK\r\n]$ Response Version: HTTP/1.1 Status Code: 200 [Status Code Description: OK] Response Phrase: OK Date: Fri, 13 Sep 2019 02:33:30 GMT\r\n Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/5.4.16 mod\_perl/2.0.10 Perl/v5.16.3\r\n Last-Modified: Thu, 12 Sep 2019 05:59:01 GMT\r\n ETag: "51-59254d59804e8"\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: 0.110217000 seconds] [Request in frame: 2961] [Next request in frame: 2985] [Next response in frame: 2986]

[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)