Lab 1

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Question 1

HTTP, TCP, TSLv1.2

Question 2

It took roughly .02 seconds (rounded up)

Question 3

The IP of the website is 128.119.245.12. My IP address is 192.168.2.5

Question 4

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The first packet:
No. Time                 Source        Destination      Protocol Length
54  20:02:01.046188000  192.168.2.5   128.119.245.12    HTTP    477

Info
GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1

Frame 54: 477 bytes on wire (3816 bits), 477 bytes captured
(3816 bits) on interface 0
Ethernet II, Src: IntelCor_67:9c:0b (e8:b1:fc:67:9c:0b),
        Dst: BelkinIn_98:a4:90 (ec:1a:59:98:a4:90)
Internet Protocol Version 4, Src: 192.168.2.5 (192.168.2.5),
        Dst: 128.119.245.12 (128.119.245.12)
Transmission Control Protocol, Src Port: 59577 (59577),
        Dst Port: http (80), Seq: 1, Ack: 1, Len: 411
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
    Accept: text/html,application/xhtml+xml,
        application/xml;q=0.9,image/webp,*/*;q=0.8\r\n
    Upgrade-Insecure-Requests: 1\r\n
    User-Agent: Mozilla/5.0 (X11; Linux x86_64)
        AppleWebKit/537.36 (KHTML, like Gecko)
        Chrome/45.0.2454.85 Safari/537.36\r\n
    Accept-Encoding: gzip, deflate, sdch\r\n
    Accept-Language: en-US,en;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: 56]
    [Next request in frame: 66]

Response:
No. Time               Source          Destination  Protocol Length
56  20:02:01.062118000 128.119.245.12  192.168.2.5  HTTP     506

Info
HTTP/1.1 200 OK  (text/html)

Frame 56: 506 bytes on wire (4048 bits), 506 bytes captured (4048 bits) on interfac
Ethernet II, Src: BelkinIn_98:a4:90 (ec:1a:59:98:a4:90),
        Dst: IntelCor_67:9c:0b (e8:b1:fc:67:9c:0b)
Internet Protocol Version 4, Src: 128.119.245.12 (128.119.245.12),
        Dst: 192.168.2.5 (192.168.2.5)
Transmission Control Protocol, Src Port: http (80),
        Dst Port: 59577 (59577), Seq: 1, Ack: 412, Len: 440
Hypertext Transfer Protocol
    HTTP/1.1 200 OK\r\n
    Date: Wed, 09 Sep 2015 00:02:01 GMT\r\n
    Server:
        Apache/2.4.6 (CentOS) OpenSSL/1.0.1e-fips
        PHP/5.4.16 mod_perl/2.0.9dev Perl/v5.16.3\r\n
    Last-Modified: Tue, 08 Sep 2015 05:59:02 GMT\r\n
    ETag: ”51-51f3610144578”\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: 0.015930000 seconds]
    [Request in frame: 54]
    [Next request in frame: 66]
    [Next response in frame: 73]
Line-based text data: text/html
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<html>\n
 Congratulations!  You've downloaded the first Wireshark lab file!\n
</html>\n
```

References

None