Lab 1

Task 2

1. There are 3 protocols that appear in the protocol column in the unfiltered packet-listing window:

    - TCP (Transmission Control Protocol)

    - ARP (Address Resolution Protocol)

    - DNS (Domain Name System)

2.

No.	Time	Source	Destination	Protocol	Length	Info
847	14:37:11.893446	172.30.3.232	128.119.245.12	HTTP	680	GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1
893	14:37:12.259364	172.30.3.232	128.119.245.12	HTTP	595	GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1
954	14:37:12.309478	128.119.245.12	172.30.3.232	HTTP	293	HTTP/1.1 304 Not Modified
1006	14:37:12.647366	128.119.245.12	172.30.3.232	HTTP	492	HTTP/1.1 200 OK (text/html)
1010	14:37:12.650566	172.30.3.232	128.119.245.12	HTTP	595	GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1
1048	14:37:12.875384	172.30.3.232	128.119.245.12	HTTP	595	GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1
1068	14:37:13.042050	128.119.245.12	172.30.3.232	HTTP	492	HTTP/1.1 200 OK (text/html)
1154	14:37:13.237489	128.119.245.12	172.30.3.232	HTTP	492	HTTP/1.1 200 OK (text/html)

It takes 0.388002 seconds when the HTTP GET message was sent until the HTTP OK reply was received

3.

- The Internet address of the gaia.cs.umass.edu is 128.119.245.12

- The Internet address of the computer is 172.30.3.232

4.

C:\Users\minhs\AppData\Local\Temp\wireshark_Wi-FiK9PXJ2.pcapng 1794 total packets, 8 shown

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No.    Time              Source            Destination        Protocol Length Info
   893 14:37:12.259364    172.30.3.232      128.119.245.12     HTTP     595    GET /wireshark-labs/INTRO-wireshark-
file1.html HTTP/1.1
Frame 893: 595 bytes on wire (4760 bits), 595 bytes captured (4760 bits) on interface \Device\NPF_{361405E9-46EA-4B1A-
B219-7BEA115E144F}, id 0
Ethernet II, Src: Intel_23:3f:bb (40:74:e0:23:3f:bb), Dst: JuniperNetwo_8c:35:b0 (44:f4:77:8c:35:b0)
Internet Protocol Version 4, Src: 172.30.3.232, Dst: 128.119.245.12
Transmission Control Protocol, Src Port: 61763, Dst Port: 80, Seq: 1, Ack: 1, Len: 541
Hypertext Transfer Protocol
No.    Time              Source            Destination        Protocol Length Info
  1006 14:37:12.647366    128.119.245.12    172.30.3.232       HTTP     492    HTTP/1.1 200 OK  (text/html)
Frame 1006: 492 bytes on wire (3936 bits), 492 bytes captured (3936 bits) on interface \Device\NPF_{361405E9-46EA-4B1A-
B219-7BEA115E144F}, id 0
Ethernet II, Src: JuniperNetwo_8c:35:b0 (44:f4:77:8c:35:b0), Dst: Intel_23:3f:bb (40:74:e0:23:3f:bb)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 172.30.3.232
Transmission Control Protocol, Src Port: 80, Dst Port: 61763, Seq: 1, Ack: 542, Len: 438
Hypertext Transfer Protocol
Line-based text data: text/html (3 lines)
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