

EE 450

Solution of Lab 1

Dr. Walker

- 1) There might be different ones depend on things running on your machine. Those Wireshark lab found in mine are:

HTTP

TCP

UDP

SSDP

DB-LSP-DISK

SSL

DNS

HTTP/XML

TSLV1

- 2) My Network interface was wireless card:

The HTTP get message was sent 7.907827000 seconds after running the wireshark

And the HTTP 200OK message was received 8.003428000 seconds after the wireshark Lab started

So the waiting time to receive the OK message was: 0.095601 seconds or approximately 95 msec,

- 3) The IP address of gaia.cs.umass.edu: 128.119.245.12
My IP address was a dynamically allocated local one: 192.168.8.101

- 4)

The Get Packet:

No.	Time	Source	Destination	Protocol	Length
44	7.907827000	192.168.8.101	128.119.245.12	HTTP	549

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

Frame 44: 549 bytes on wire (4392 bits), 49 bytes captured (492 bits) on interface 0 Ethernet II,

Src: IntelCor_ce:0b:74 (74:e5:0b:ce:0b:74),

Dst: ediabri_0d:f0:70 (14:35:8b:0d:f0:70)

Internet Protocol Version 4,

Src: 192.168.8.101 (192.168.8.101),

Dst: 128.119.245.1 (128.119.245.12)

Transmission Control Protocol, Src Port: 7253 (57253), Dst Port: http (80), Seq: 1 Ack: 1, Len: 495

Hypertext Transfer Protocol GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1

Host: gaia.cs.umass.edu Connection: keep-alive Cache-Control: max-age=0 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=0.8 User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/30.0.159.69 Safari/537.36 Accept-Encoding: gzip,deflate,sdch Accept-Language: en-US,en;q=0.8 If-None-Match: "734b-51-cef1a240"

If-Modified-Since: Sun, 13 Oct 2013 22:24:01 GMT [Full request URI: http://gaia.cs.umass.edu/wireshark-labs/INTRO-wireshark-file1.html] [HTTP request 1/1] [Response in frame: 46]

The OK Packet:

No.	Time	Source	Destination	Protocol	Length	Info
46	8.003428000	128.119.245.12	192.168.8.101	HTTP	434	HTTP/1.1 200 OK (text/html)

Frame 46: 434 bytes on wire (3472 bits), 34 bytes captured (372 bits) on interface 0 Ethernet II, Src: Mediabri_0d:f0:70 (14:35:8b:0d:f0:70), Dst: IntelCor_ce:0b:74 (74:e5:0b:ce:0b:74) Internet Protocol Version 4, Src: 128.119.245.12 (128.119.245.12), Dst: 192.168.8.101 (192.168.8.101) Transmission Control Protocol, Src Port: http (80), Dst Port: 7253 (57253), Seq: 1 Ack: 496, Len: 380 Hypertext Transfer Protocol Line-based text data text/html