Lachlan Sinclair

CS 372 Lab 1

10/13/2019

Question 1:

TCP, UDP, HTTP

Question 2:

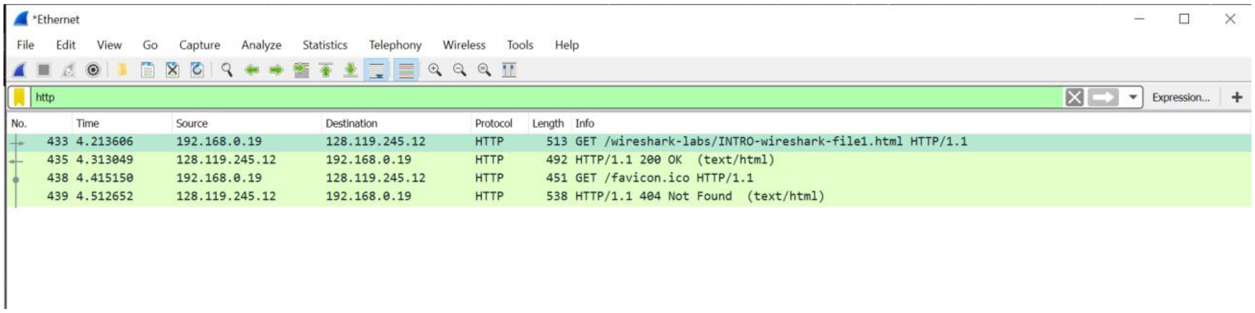
4.313049-4.213606 = **0.099443 seconds**

Question 3:

gaia.cs.umass.edu address is 128.119.245.12

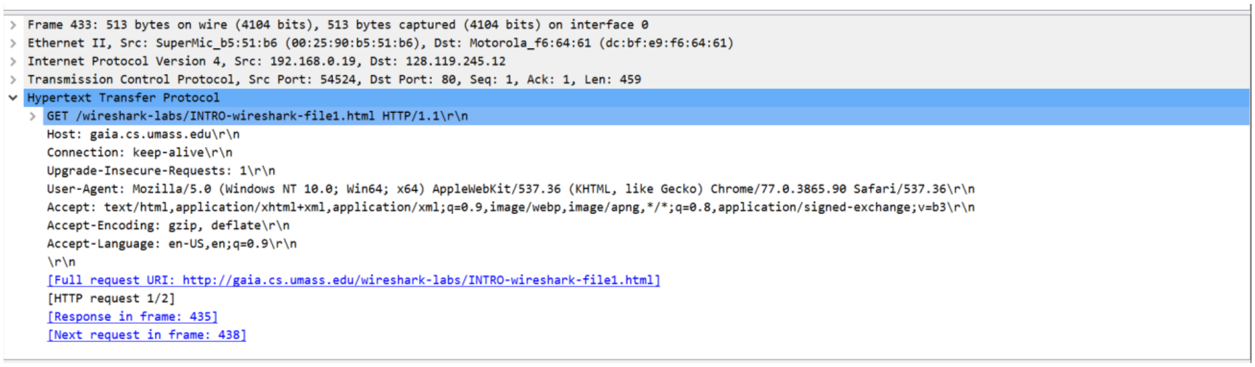
my internet address is 192.168.0.19

Question 4:

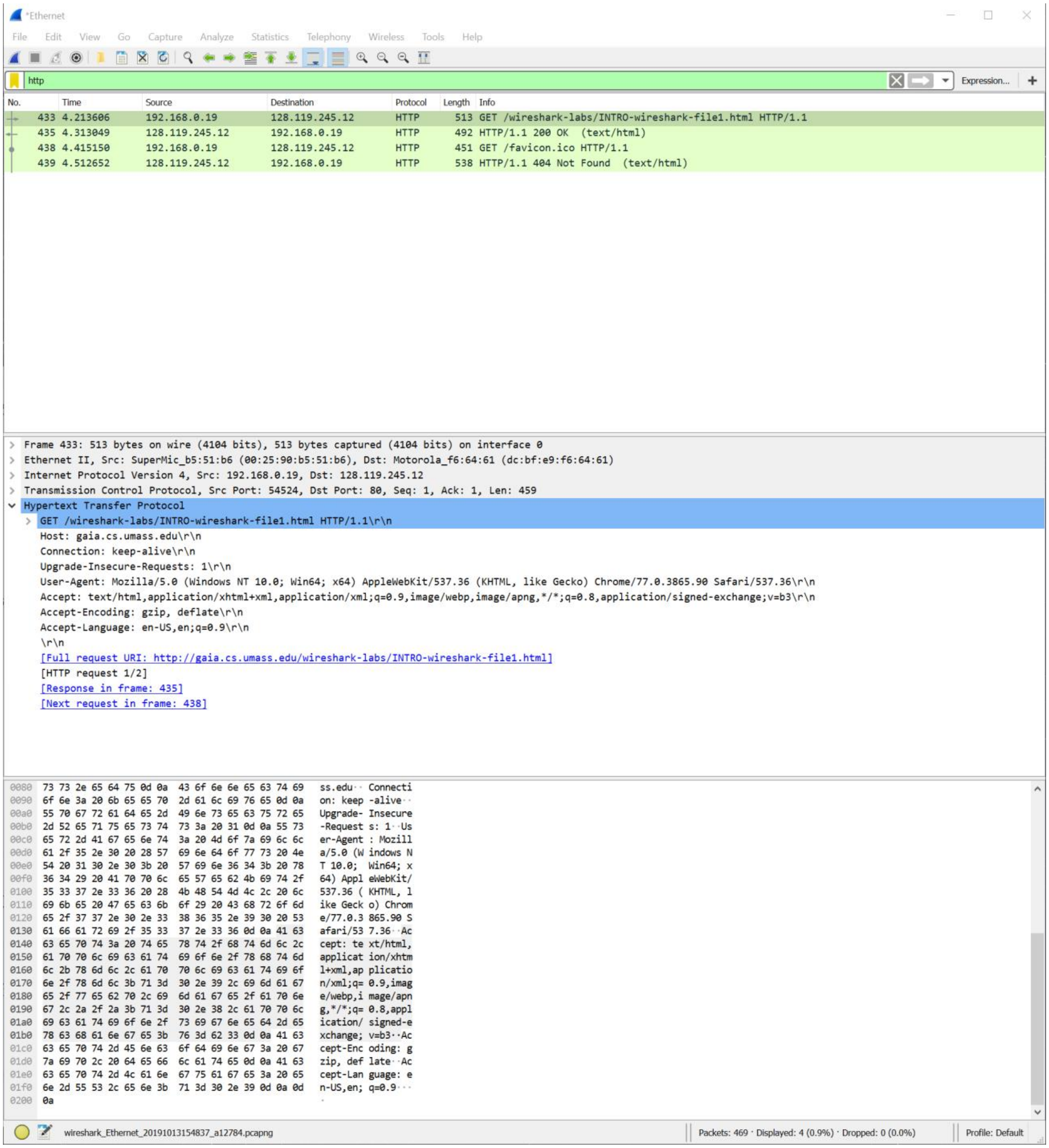

*Ethernet
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Expression... +

http

No.	Time	Source	Destination	Protocol	Length	Info
433	4.213606	192.168.0.19	128.119.245.12	HTTP	513	GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1
435	4.313049	128.119.245.12	192.168.0.19	HTTP	492	HTTP/1.1 200 OK (text/html)
438	4.415150	192.168.0.19	128.119.245.12	HTTP	451	GET /favicon.ico HTTP/1.1
439	4.512652	128.119.245.12	192.168.0.19	HTTP	538	HTTP/1.1 404 Not Found (text/html)



```
> Frame 433: 513 bytes on wire (4104 bits), 513 bytes captured (4104 bits) on interface 0
> Ethernet II, Src: SuperMic_b5:51:b6 (00:25:90:b5:51:b6), Dst: Motorola_f6:64:61 (dc:bf:e9:f6:64:61)
> Internet Protocol Version 4, Src: 192.168.0.19, Dst: 128.119.245.12
> Transmission Control Protocol, Src Port: 54524, Dst Port: 80, Seq: 1, Ack: 1, Len: 459
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 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/77.0.3865.90 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: 435]
    [Next request in frame: 438]
```



```
No.      Time        Source           Destination      Protocol  Length  Info
   433 4.213606   192.168.0.19     128.119.245.12   HTTP       513 GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1
   435 4.313049   128.119.245.12   192.168.0.19     HTTP       492 HTTP/1.1 200 OK  (text/html)
   438 4.415150   192.168.0.19     128.119.245.12   HTTP       451 GET /favicon.ico HTTP/1.1
   439 4.512652   128.119.245.12   192.168.0.19     HTTP       538 HTTP/1.1 404 Not Found  (text/html)
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    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/77.0.3865.90 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: 435]
    [Next request in frame: 438]
```

```
0080  73 73 2e 65 64 75 0d 0a  43 6f 6e 6e 65 63 74 69   ss.edu·· Connecti
0090  6f 6e 3a 20 6b 65 65 70  2d 61 6c 69 76 65 0d 0a   on: keep -alive··
00a0  55 70 67 72 61 64 65 2d  49 6e 73 65 63 75 72 65   Upgrade- Insecure
00b0  2d 52 65 71 75 65 73 74  73 3a 20 31 0d 0a 55 73   -Request s: 1··Us
00c0  65 72 2d 41 67 65 6e 74  3a 20 4d 6f 7a 69 6c 6c   er-Agent : Mozill
00d0  61 2f 35 2e 30 20 28 57  69 6e 64 6f 77 73 20 4e   a/5.0 (W indows N
00e0  54 20 31 30 2e 30 3b 20  57 69 6e 36 34 3b 20 78   T 10.0;  Win64; x
00f0  36 34 29 20 41 70 70 6c  65 57 65 62 4b 69 74 2f   64) Appl eWebKit/
0100  35 33 37 2e 33 36 20 28  4b 48 54 4d 4c 2c 20 6c   537.36 ( KHTML, l
0110  69 6b 65 20 47 65 63 6b  6f 29 20 43 68 72 6f 6d   ike Geck o) Chrom
0120  65 2f 37 37 2e 30 2e 33  38 36 35 2e 39 30 20 53   e/77.0.3 865.90 S
0130  61 66 61 72 69 2f 35 33  37 2e 33 36 0d 0a 41 63   afari/53 7.36··Ac
0140  63 65 70 74 3a 20 74 65  78 74 2f 68 74 6d 6c 2c   cept: te xt/html,
0150  61 70 70 6c 69 63 61 74  69 6f 6e 2f 78 68 74 6d   applicat ion/xhtm
0160  6c 2b 78 6d 6c 2c 61 70  70 6c 69 63 61 74 69 6f   l+xml,ap plicatio
0170  6e 2f 78 6d 6c 3b 71 3d  30 2e 39 2c 69 6d 61 67   n/xml;q= 0.9,imag
0180  65 2f 77 65 62 70 2c 69  6d 61 67 65 2f 61 70 6e   e/webp,i mage/apn
0190  67 2c 2a 2f 2a 3b 71 3d  30 2e 38 2c 61 70 70 6c   g,*/*;q= 0.8,appl
01a0  69 63 61 74 69 6f 6e 2f  73 69 67 6e 65 64 2d 65   ication/ signed-e
01b0  78 63 68 61 6e 67 65 3b  76 3d 62 33 0d 0a 41 63   xchange; v=b3··Ac
01c0  63 65 70 74 2d 45 6e 63  6f 64 69 6e 67 3a 20 67   cept-Enc oding: g
01d0  7a 69 70 2c 20 64 65 66  6c 61 74 65 0d 0a 41 63   zip, def late··Ac
01e0  63 65 70 74 2d 4c 61 6e  67 75 61 67 65 3a 20 65   cept-Lan guage: e
01f0  6e 2d 55 53 2c 65 6e 3b  71 3d 30 2e 39 0d 0a 0d   n-US,en; q=0.9···
0200  0a                                                 ·
```

wireshark_Ethernet_20191013154837_a12784.pcapng

Packets: 469 · Displayed: 4 (0.9%) · Dropped: 0 (0.0%)

Profile: Default