**Wireshark Lab - Getting Started**

**Q#1**

Browser and server are running http version 1.1

**Q#2**

text/html, application/xhtml+xml, application/xml; q=0.9, image/webp

**Q#3**

Computer IP = 192.168.1.2

Server IP = 128.119.245.12

**Q#4**

Status Code: 200

**Q#5**

Last-Modified: Sun, 20 Sep 2015 05:59:01

**Q#6**

128 bytes are returned.

**Q#7**

No

**Q#8**

Yes server explicitly returned the contents of file because 371 bytes are returned from server.

**Q#9**

If-Modified-Since: Sun, 20 Sep 2015 05:59:01 GMT\r\n

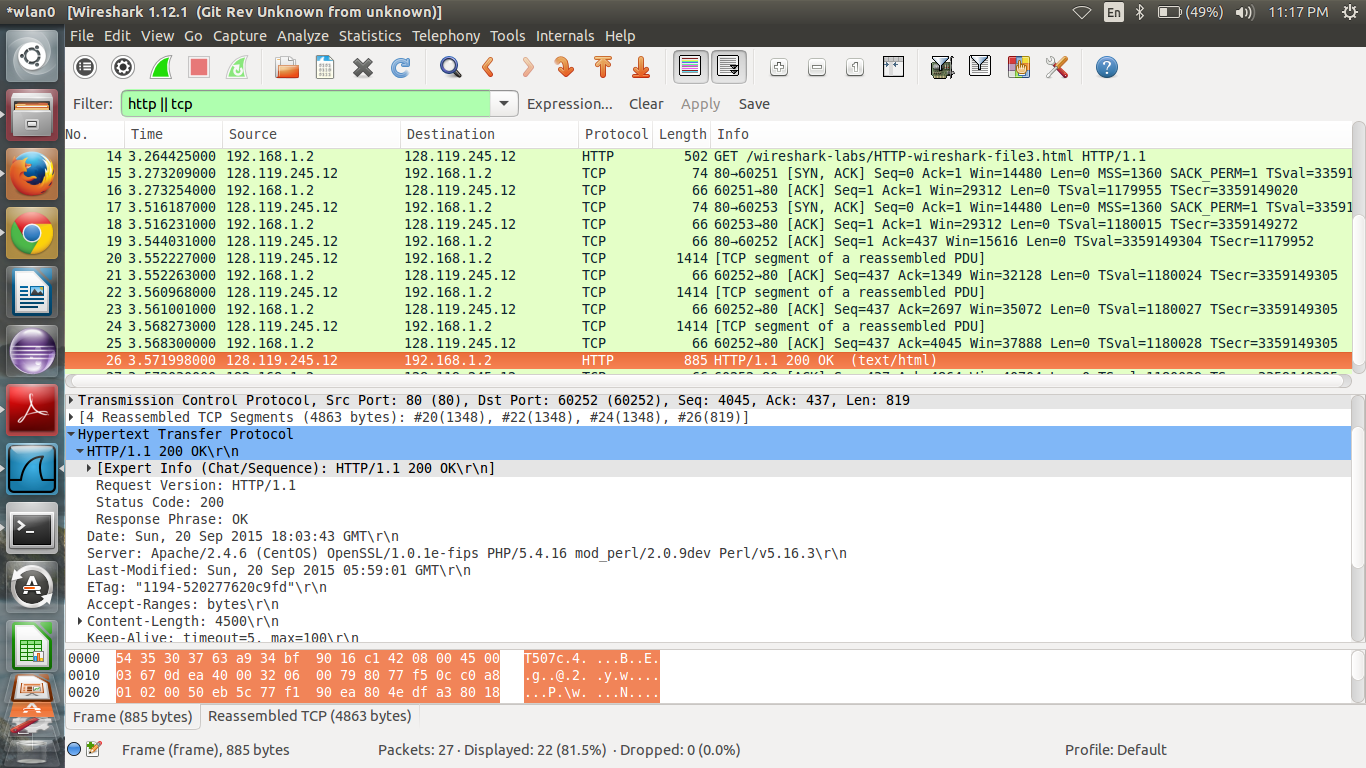
**Q#10**

Status code 304

No server dose not explicitly returned the contents of file because there is no content length in second response from server.

**Q#11**

Only 1. Packet no 14.



**Q#12**

Packet no 16

**Q#13**

Status 200

Phrase OK

**Q#14**

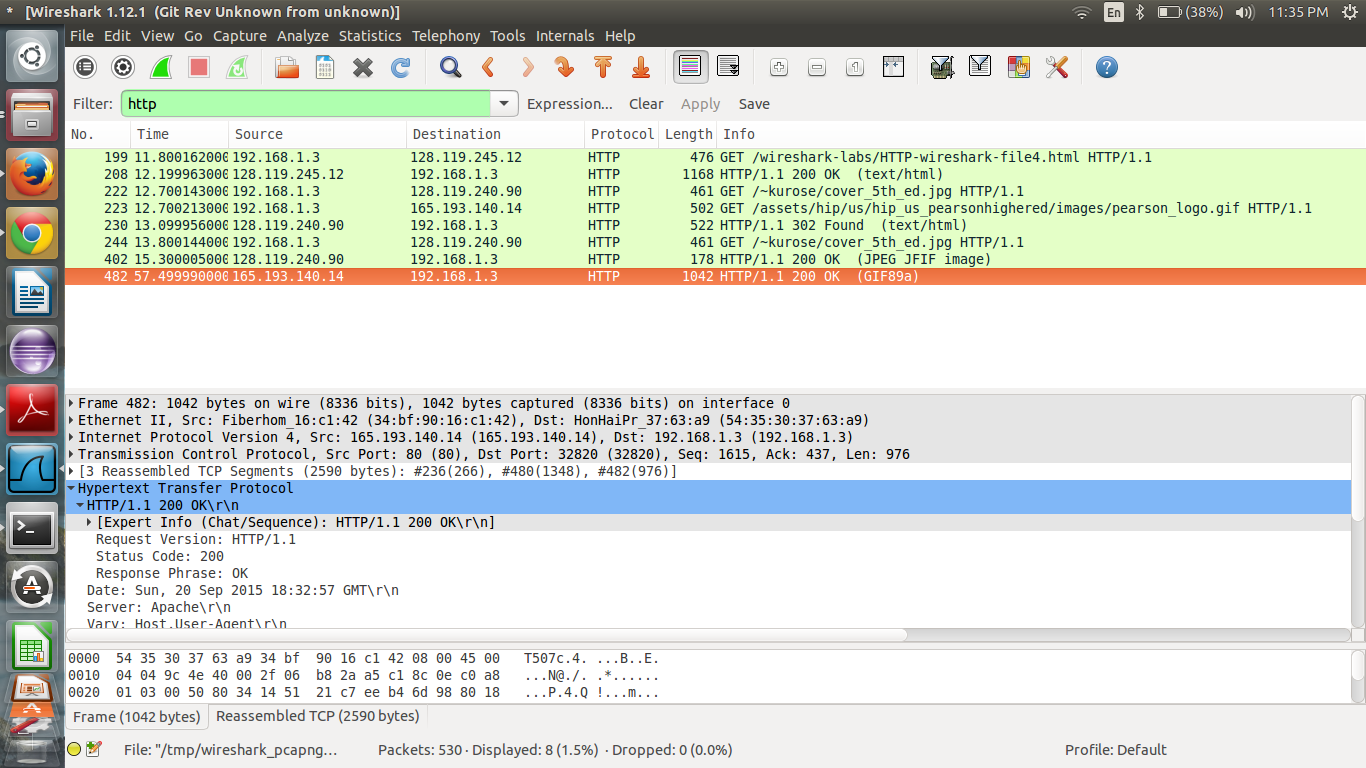
4 TCP segments

**Q#15**

4 GET messages were sent

**Q#16**

Images are received serially because images are loaded one after other. Also GET messages are send one after the other.

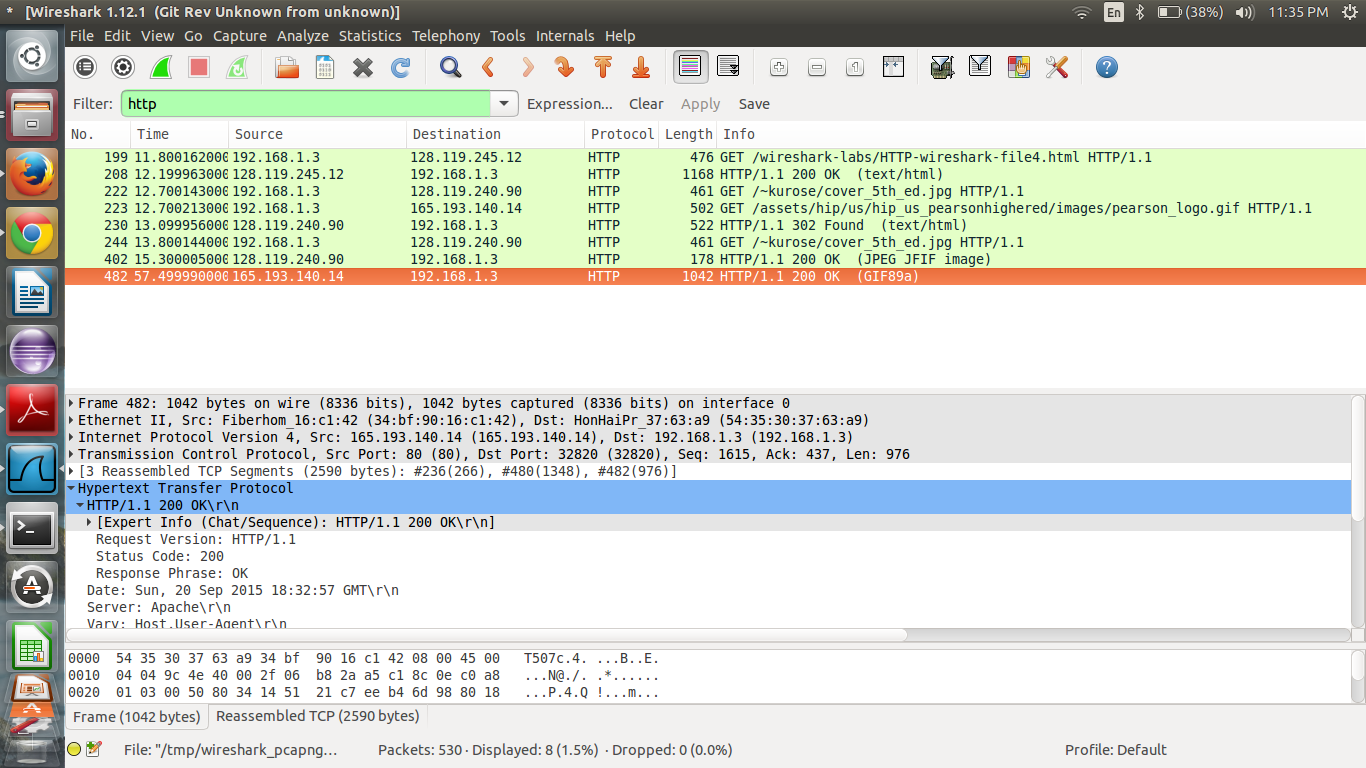


**Q#17**

Status : 401

Phrase : Unauthorized

**Q#18 :** Authorization: Basic d2lyZXNoYXJrLXN0dWRlbnRzOm5ldHdvcms=\r\n



**Q#1**

No. Time Source Destination Protocol Length Info

24 4.971880000 192.168.1.2 128.119.245.12 HTTP 502 GET /wireshark-labs/HTTP-wireshark-file1.html HTTP/1.1

Frame 24: 502 bytes on wire (4016 bits), 502 bytes captured (4016 bits) on interface 0

Ethernet II, Src: HonHaiPr\_37:63:a9 (54:35:30:37:63:a9), Dst: Fiberhom\_16:c1:42 (34:bf:90:16:c1:42)

Internet Protocol Version 4, Src: 192.168.1.2 (192.168.1.2), Dst: 128.119.245.12 (128.119.245.12)

Transmission Control Protocol, Src Port: 60164 (60164), Dst Port: 80 (80), Seq: 1, Ack: 1, Len: 436

Hypertext Transfer Protocol

GET /wireshark-labs/HTTP-wireshark-file1.html HTTP/1.1\r\n

[Expert Info (Chat/Sequence): GET /wireshark-labs/HTTP-wireshark-file1.html HTTP/1.1\r\n]

Request Method: GET

Request URI: /wireshark-labs/HTTP-wireshark-file1.html

Request Version: HTTP/1.1

Host: gaia.cs.umass.edu\r\n

Connection: keep-alive\r\n

Cache-Control: max-age=0\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/45.0.2454.93 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/HTTP-wireshark-file1.html]

[HTTP request 1/1]

[Response in frame: 31]

No. Time Source Destination Protocol Length Info

31 5.256795000 128.119.245.12 192.168.1.2 HTTP 554 HTTP/1.1 200 OK (text/html)

Frame 31: 554 bytes on wire (4432 bits), 554 bytes captured (4432 bits) on interface 0

Ethernet II, Src: Fiberhom\_16:c1:42 (34:bf:90:16:c1:42), Dst: HonHaiPr\_37:63:a9 (54:35:30:37:63:a9)

Internet Protocol Version 4, Src: 128.119.245.12 (128.119.245.12), Dst: 192.168.1.2 (192.168.1.2)

Transmission Control Protocol, Src Port: 80 (80), Dst Port: 60164 (60164), Seq: 1, Ack: 437, Len: 488

Hypertext Transfer Protocol

HTTP/1.1 200 OK\r\n

[Expert Info (Chat/Sequence): HTTP/1.1 200 OK\r\n]

Request Version: HTTP/1.1

Status Code: 200

Response Phrase: OK

Date: Sun, 20 Sep 2015 17:33:36 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: Sun, 20 Sep 2015 05:59:01 GMT\r\n

ETag: "80-52027762100ae"\r\n

Accept-Ranges: bytes\r\n

Content-Length: 128\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 1/1]

[Time since request: 0.284915000 seconds]

[Request in frame: 24]

Line-based text data: text/html

**Q#2**

No. Time Source Destination Protocol Length Info

10 0.334877000 192.168.1.2 128.119.245.12 HTTP 502 GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1

Frame 10: 502 bytes on wire (4016 bits), 502 bytes captured (4016 bits) on interface 0

Ethernet II, Src: HonHaiPr\_37:63:a9 (54:35:30:37:63:a9), Dst: Fiberhom\_16:c1:42 (34:bf:90:16:c1:42)

Internet Protocol Version 4, Src: 192.168.1.2 (192.168.1.2), Dst: 128.119.245.12 (128.119.245.12)

Transmission Control Protocol, Src Port: 60231 (60231), Dst Port: 80 (80), Seq: 1, Ack: 1, Len: 436

Hypertext Transfer Protocol

GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1\r\n

[Expert Info (Chat/Sequence): GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1\r\n]

Request Method: GET

Request URI: /wireshark-labs/HTTP-wireshark-file2.html

Request Version: HTTP/1.1

Host: gaia.cs.umass.edu\r\n

Connection: keep-alive\r\n

Cache-Control: max-age=0\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/45.0.2454.93 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/HTTP-wireshark-file2.html]

[HTTP request 1/2]

[Response in frame: 16]

[Next request in frame: 23]

No. Time Source Destination Protocol Length Info

16 0.632807000 128.119.245.12 192.168.1.2 HTTP 798 HTTP/1.1 200 OK (text/html)

Frame 16: 798 bytes on wire (6384 bits), 798 bytes captured (6384 bits) on interface 0

Ethernet II, Src: Fiberhom\_16:c1:42 (34:bf:90:16:c1:42), Dst: HonHaiPr\_37:63:a9 (54:35:30:37:63:a9)

Internet Protocol Version 4, Src: 128.119.245.12 (128.119.245.12), Dst: 192.168.1.2 (192.168.1.2)

Transmission Control Protocol, Src Port: 80 (80), Dst Port: 60231 (60231), Seq: 1, Ack: 437, Len: 732

Hypertext Transfer Protocol

HTTP/1.1 200 OK\r\n

[Expert Info (Chat/Sequence): HTTP/1.1 200 OK\r\n]

Request Version: HTTP/1.1

Status Code: 200

Response Phrase: OK

Date: Sun, 20 Sep 2015 17:54:11 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: Sun, 20 Sep 2015 05:59:01 GMT\r\n

ETag: "173-520277620fcc6"\r\n

Accept-Ranges: bytes\r\n

Content-Length: 371\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: 0.297930000 seconds]

[Request in frame: 10]

[Next request in frame: 23]

[Next response in frame: 24]

Line-based text data: text/html

No. Time Source Destination Protocol Length Info

23 3.446037000 192.168.1.2 128.119.245.12 HTTP 588 GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1

Frame 23: 588 bytes on wire (4704 bits), 588 bytes captured (4704 bits) on interface 0

Ethernet II, Src: HonHaiPr\_37:63:a9 (54:35:30:37:63:a9), Dst: Fiberhom\_16:c1:42 (34:bf:90:16:c1:42)

Internet Protocol Version 4, Src: 192.168.1.2 (192.168.1.2), Dst: 128.119.245.12 (128.119.245.12)

Transmission Control Protocol, Src Port: 60231 (60231), Dst Port: 80 (80), Seq: 437, Ack: 733, Len: 522

Hypertext Transfer Protocol

GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1\r\n

[Expert Info (Chat/Sequence): GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1\r\n]

Request Method: GET

Request URI: /wireshark-labs/HTTP-wireshark-file2.html

Request Version: HTTP/1.1

Host: gaia.cs.umass.edu\r\n

Connection: keep-alive\r\n

Cache-Control: max-age=0\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/45.0.2454.93 Safari/537.36\r\n

Accept-Encoding: gzip, deflate, sdch\r\n

Accept-Language: en-US,en;q=0.8\r\n

If-None-Match: "173-520277620fcc6"\r\n

If-Modified-Since: Sun, 20 Sep 2015 05:59:01 GMT\r\n

\r\n

[Full request URI: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file2.html]

[HTTP request 2/2]

[Prev request in frame: 10]

[Response in frame: 24]

No. Time Source Destination Protocol Length Info

24 3.728746000 128.119.245.12 192.168.1.2 HTTP 307 HTTP/1.1 304 Not Modified

Frame 24: 307 bytes on wire (2456 bits), 307 bytes captured (2456 bits) on interface 0

Ethernet II, Src: Fiberhom\_16:c1:42 (34:bf:90:16:c1:42), Dst: HonHaiPr\_37:63:a9 (54:35:30:37:63:a9)

Internet Protocol Version 4, Src: 128.119.245.12 (128.119.245.12), Dst: 192.168.1.2 (192.168.1.2)

Transmission Control Protocol, Src Port: 80 (80), Dst Port: 60231 (60231), Seq: 733, Ack: 959, Len: 241

Hypertext Transfer Protocol

HTTP/1.1 304 Not Modified\r\n

[Expert Info (Chat/Sequence): HTTP/1.1 304 Not Modified\r\n]

Request Version: HTTP/1.1

Status Code: 304

Response Phrase: Not Modified

Date: Sun, 20 Sep 2015 17:54:14 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

Connection: Keep-Alive\r\n

Keep-Alive: timeout=5, max=99\r\n

ETag: "173-520277620fcc6"\r\n

\r\n

[HTTP response 2/2]

[Time since request: 0.282709000 seconds]

[Prev request in frame: 10]

[Prev response in frame: 16]

[Request in frame: 23]

**Q#3**

No. Time Source Destination Protocol Length Info

14 3.264425000 192.168.1.2 128.119.245.12 HTTP 502 GET /wireshark-labs/HTTP-wireshark-file3.html HTTP/1.1

Frame 14: 502 bytes on wire (4016 bits), 502 bytes captured (4016 bits) on interface 0

Ethernet II, Src: HonHaiPr\_37:63:a9 (54:35:30:37:63:a9), Dst: Fiberhom\_16:c1:42 (34:bf:90:16:c1:42)

Internet Protocol Version 4, Src: 192.168.1.2 (192.168.1.2), Dst: 128.119.245.12 (128.119.245.12)

Transmission Control Protocol, Src Port: 60252 (60252), Dst Port: 80 (80), Seq: 1, Ack: 1, Len: 436

Hypertext Transfer Protocol

GET /wireshark-labs/HTTP-wireshark-file3.html HTTP/1.1\r\n

[Expert Info (Chat/Sequence): GET /wireshark-labs/HTTP-wireshark-file3.html HTTP/1.1\r\n]

Request Method: GET

Request URI: /wireshark-labs/HTTP-wireshark-file3.html

Request Version: HTTP/1.1

Host: gaia.cs.umass.edu\r\n

Connection: keep-alive\r\n

Cache-Control: max-age=0\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/45.0.2454.93 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/HTTP-wireshark-file3.html]

[HTTP request 1/1]

[Response in frame: 26]

No. Time Source Destination Protocol Length Info

26 3.571998000 128.119.245.12 192.168.1.2 HTTP 885 HTTP/1.1 200 OK (text/html)

Frame 26: 885 bytes on wire (7080 bits), 885 bytes captured (7080 bits) on interface 0

Ethernet II, Src: Fiberhom\_16:c1:42 (34:bf:90:16:c1:42), Dst: HonHaiPr\_37:63:a9 (54:35:30:37:63:a9)

Internet Protocol Version 4, Src: 128.119.245.12 (128.119.245.12), Dst: 192.168.1.2 (192.168.1.2)

Transmission Control Protocol, Src Port: 80 (80), Dst Port: 60252 (60252), Seq: 4045, Ack: 437, Len: 819

[4 Reassembled TCP Segments (4863 bytes): #20(1348), #22(1348), #24(1348), #26(819)]

Hypertext Transfer Protocol

HTTP/1.1 200 OK\r\n

[Expert Info (Chat/Sequence): HTTP/1.1 200 OK\r\n]

Request Version: HTTP/1.1

Status Code: 200

Response Phrase: OK

Date: Sun, 20 Sep 2015 18:03:43 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: Sun, 20 Sep 2015 05:59:01 GMT\r\n

ETag: "1194-520277620c9fd"\r\n

Accept-Ranges: bytes\r\n

Content-Length: 4500\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 1/1]

[Time since request: 0.307573000 seconds]

[Request in frame: 14]

Line-based text data: text/html

**Q#4**

No. Time Source Destination Protocol Length Info

402 15.300005000 128.119.240.90 192.168.1.3 HTTP 178 HTTP/1.1 200 OK (JPEG JFIF image)

Frame 402: 178 bytes on wire (1424 bits), 178 bytes captured (1424 bits) on interface 0

Ethernet II, Src: Fiberhom\_16:c1:42 (34:bf:90:16:c1:42), Dst: HonHaiPr\_37:63:a9 (54:35:30:37:63:a9)

Internet Protocol Version 4, Src: 128.119.240.90 (128.119.240.90), Dst: 192.168.1.3 (192.168.1.3)

Transmission Control Protocol, Src Port: 80 (80), Dst Port: 41226 (41226), Seq: 101101, Ack: 396, Len: 112

Source Port: 80 (80)

Destination Port: 41226 (41226)

[Stream index: 24]

[TCP Segment Len: 112]

Sequence number: 101101 (relative sequence number)

[Next sequence number: 101213 (relative sequence number)]

Acknowledgment number: 396 (relative ack number)

Header Length: 32 bytes

.... 0000 0001 1001 = Flags: 0x019 (FIN, PSH, ACK)

Window size value: 243

[Calculated window size: 15552]

[Window size scaling factor: 64]

Checksum: 0x5b8c [validation disabled]

Urgent pointer: 0

Options: (12 bytes), No-Operation (NOP), No-Operation (NOP), Timestamps

[SEQ/ACK analysis]

TCP segment data (112 bytes)

[76 Reassembled TCP Segments (101212 bytes): #250(1348), #252(1348), #254(1348), #256(1348), #258(1348), #260(1348), #262(1348), #264(1348), #266(1348), #268(1348), #270(1348), #272(1348), #274(1348), #275(1348), #278(1348), #280(1348), #28]

Hypertext Transfer Protocol

JPEG File Interchange Format

No. Time Source Destination Protocol Length Info

482 57.499990000 165.193.140.14 192.168.1.3 HTTP 1042 HTTP/1.1 200 OK (GIF89a)

Frame 482: 1042 bytes on wire (8336 bits), 1042 bytes captured (8336 bits) on interface 0

Ethernet II, Src: Fiberhom\_16:c1:42 (34:bf:90:16:c1:42), Dst: HonHaiPr\_37:63:a9 (54:35:30:37:63:a9)

Internet Protocol Version 4, Src: 165.193.140.14 (165.193.140.14), Dst: 192.168.1.3 (192.168.1.3)

Transmission Control Protocol, Src Port: 80 (80), Dst Port: 32820 (32820), Seq: 1615, Ack: 437, Len: 976

Source Port: 80 (80)

Destination Port: 32820 (32820)

[Stream index: 20]

[TCP Segment Len: 976]

Sequence number: 1615 (relative sequence number)

[Next sequence number: 2591 (relative sequence number)]

Acknowledgment number: 437 (relative ack number)

Header Length: 32 bytes

.... 0000 0001 1000 = Flags: 0x018 (PSH, ACK)

Window size value: 54

[Calculated window size: 6912]

[Window size scaling factor: 128]

Checksum: 0xf1c6 [validation disabled]

Urgent pointer: 0

Options: (12 bytes), No-Operation (NOP), No-Operation (NOP), Timestamps

[SEQ/ACK analysis]

TCP segment data (976 bytes)

[3 Reassembled TCP Segments (2590 bytes): #236(266), #480(1348), #482(976)]

Hypertext Transfer Protocol

Compuserve GIF, Version: GIF89a

Version: GIF89a

Screen width: 121

Screen height: 40

Global settings: (Global color table present) (5 bits per color) (5 bits per pixel)

Background color index: 0

Global color map: 6971abd8d6dbc8c7d4fffbed49549da8aac6e8e4e2fffff1...

Extension: Application

Extension: Graphics Control

Image

Trailer (End of the GIF stream)

**Q#5**

No. Time Source Destination Protocol Length Info

70 4.740982000 128.119.245.12 192.168.1.3 HTTP 785 HTTP/1.1 401 Unauthorized (text/html)

Frame 70: 785 bytes on wire (6280 bits), 785 bytes captured (6280 bits) on interface 0

Ethernet II, Src: Fiberhom\_16:c1:42 (34:bf:90:16:c1:42), Dst: HonHaiPr\_37:63:a9 (54:35:30:37:63:a9)

Internet Protocol Version 4, Src: 128.119.245.12 (128.119.245.12), Dst: 192.168.1.3 (192.168.1.3)

Transmission Control Protocol, Src Port: 80 (80), Dst Port: 50890 (50890), Seq: 1, Ack: 427, Len: 719

Hypertext Transfer Protocol

HTTP/1.1 401 Unauthorized\r\n

[Expert Info (Chat/Sequence): HTTP/1.1 401 Unauthorized\r\n]

Request Version: HTTP/1.1

Status Code: 401

Response Phrase: Unauthorized

Date: Sun, 20 Sep 2015 18:23:49 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

WWW-Authenticate: Basic realm="wireshark-students only"\r\n

Content-Length: 381\r\n

Keep-Alive: timeout=5, max=100\r\n

Connection: Keep-Alive\r\n

Content-Type: text/html; charset=iso-8859-1\r\n

\r\n

[HTTP response 1/1]

[Time since request: 0.300075000 seconds]

[Request in frame: 62]

Line-based text data: text/html

No. Time Source Destination Protocol Length Info

62 4.440907000 192.168.1.3 128.119.245.12 HTTP 492 GET /wireshark-labs/protected\_pages/HTTP-wireshark-file5.html HTTP/1.1

Frame 62: 492 bytes on wire (3936 bits), 492 bytes captured (3936 bits) on interface 0

Ethernet II, Src: HonHaiPr\_37:63:a9 (54:35:30:37:63:a9), Dst: Fiberhom\_16:c1:42 (34:bf:90:16:c1:42)

Internet Protocol Version 4, Src: 192.168.1.3 (192.168.1.3), Dst: 128.119.245.12 (128.119.245.12)

Transmission Control Protocol, Src Port: 50890 (50890), Dst Port: 80 (80), Seq: 1, Ack: 1, Len: 426

Hypertext Transfer Protocol

GET /wireshark-labs/protected\_pages/HTTP-wireshark-file5.html HTTP/1.1\r\n

[Expert Info (Chat/Sequence): GET /wireshark-labs/protected\_pages/HTTP-wireshark-file5.html HTTP/1.1\r\n]

Request Method: GET

Request URI: /wireshark-labs/protected\_pages/HTTP-wireshark-file5.html

Request Version: HTTP/1.1

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/45.0.2454.93 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/protected\_pages/HTTP-wireshark-file5.html]

[HTTP request 1/1]

[Response in frame: 70]

No. Time Source Destination Protocol Length Info

106 25.763156000 192.168.1.3 128.119.245.12 HTTP 551 GET /wireshark-labs/protected\_pages/HTTP-wireshark-file5.html HTTP/1.1

Frame 106: 551 bytes on wire (4408 bits), 551 bytes captured (4408 bits) on interface 0

Ethernet II, Src: HonHaiPr\_37:63:a9 (54:35:30:37:63:a9), Dst: Fiberhom\_16:c1:42 (34:bf:90:16:c1:42)

Internet Protocol Version 4, Src: 192.168.1.3 (192.168.1.3), Dst: 128.119.245.12 (128.119.245.12)

Transmission Control Protocol, Src Port: 50893 (50893), Dst Port: 80 (80), Seq: 1, Ack: 1, Len: 485

Hypertext Transfer Protocol

GET /wireshark-labs/protected\_pages/HTTP-wireshark-file5.html HTTP/1.1\r\n

[Expert Info (Chat/Sequence): GET /wireshark-labs/protected\_pages/HTTP-wireshark-file5.html HTTP/1.1\r\n]

Request Method: GET

Request URI: /wireshark-labs/protected\_pages/HTTP-wireshark-file5.html

Request Version: HTTP/1.1

Host: gaia.cs.umass.edu\r\n

Connection: keep-alive\r\n

Authorization: Basic d2lyZXNoYXJrLXN0dWRlbnRzOm5ldHdvcms=\r\n

Credentials: wireshark-students:network

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/45.0.2454.93 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/protected\_pages/HTTP-wireshark-file5.html]

[HTTP request 1/2]

[Response in frame: 110]

[Next request in frame: 112]