

CSC/CPE 138 Lab 2 Valeriy Kutsar

1. My browser appears to be using HTTP 1.1 and the server is also running HTTP 1.1
2. The Accept-Language point says that my browser accepts US English.
3. My IPv4 address is 192.168.1.77. IP of the server is 128.119.245.12
4. 200 OK is returned.

The image shows a Wireshark packet capture window titled '*Ethernet'. The packet list pane displays four packets:

No.	Time	Source	Destination	Protocol	Length	Info
284	10.721543	192.168.1.77	128.119.245.12	HTTP	480	GET /wireshark-labs/HTTP-wireshark-file1.html HTTP/1.1
287	10.829119	128.119.245.12	192.168.1.77	HTTP	540	HTTP/1.1 200 OK (text/html)
290	11.216961	192.168.1.77	128.119.245.12	HTTP	451	GET /favicon.ico HTTP/1.1
291	11.311971	128.119.245.12	192.168.1.77	HTTP	538	HTTP/1.1 404 Not Found (text/html)

The packet details pane for packet 284 (GET /wireshark-labs/HTTP-wireshark-file1.html HTTP/1.1) is expanded, showing the following fields:

- 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/64.0.3282.167 Safari/537.36\r\n
- Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,image/apng,*/*;q=0.8\r\n
- Accept-Encoding: gzip, deflate\r\n
- Accept-Language: en-US,en;q=0.9\r\n

Below the fields, the full request URI is shown: `http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file1.html`. The status bar at the bottom indicates: 'Packets: 472 · Displayed: 4 (0.8%) · Dropped: 0 (0.0%) | Profile: Default'.

5. By doing a http.last_modified search in the filter, I get the response that says that the last time the file was edited was on February 25, 2018 at 6:59

The image shows a Wireshark packet capture window titled "Ethernet". The filter bar at the top contains the expression "http.last_modified". The packet list shows a single packet (No. 287) at time 10.829119, from source 128.119.245.12 to destination 192.168.1.77, protocol HTTP, length 540. The packet details pane shows the structure of the HTTP response, with the "Last-Modified" header value "Sun, 25 Feb 2018 06:59:02 GMT" highlighted. The packet bytes pane shows the raw data of the packet.

Filter: http.last_modified

No.	Time	Source	Destination	Protocol	Length	Info
287	10.829119	128.119.245.12	192.168.1.77	HTTP	540	HTTP/1.1 200 OK (text/html)

Frame 287: 540 bytes on wire (4320 bits), 540 bytes captured (4320 bits) on interface 0

Ethernet II, Src: 2wire_6a:dd:6d (dc:7f:a4:6a:dd:6d), Dst: GoodWayI_7c:78:0b (00:50:b6:7c:78:0b)

Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.1.77

Transmission Control Protocol, Src Port: 80, Dst Port: 50534, Seq: 1, Ack: 427, Len: 486

Hypertext Transfer Protocol

HTTP/1.1 200 OK\r\n

Date: Mon, 26 Feb 2018 04:57:54 GMT\r\n

Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/5.4.16 mod_perl/2.0.10 Perl/v5.16.3\r\n

Last-Modified: Sun, 25 Feb 2018 06:59:02 GMT\r\n

ETag: "80-56603edad1dc"\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 1/2]

[Time since request: 0.107576000 seconds]

[Request in frame: 284]

[Next request in frame: 290]

[Next response in frame: 291]

File Data: 128 bytes

0000 00 50 b6 7c 78 0b dc 7f a4 6a dd 6d 08 00 45 00 .P.[x...].j.m..E.

0010 02 0e 6d 15 40 00 2c 06 a8 5b 80 77 f5 0c c0 a8 ..m.@@...[.w....

0020 01 4d 00 50 c5 66 92 c3 0c a0 61 2b 0f 48 50 18 .M.P.f... ..a..HP.

0030 00 ed 16 be 00 00 48 54 54 50 2f 31 2e 31 20 32HT TP/1.1 2

0040 30 30 20 4f 4b 0d 0a 44 61 74 65 3a 20 4d 6f 6e 00 OK..D ate: Mon

0050 2c 20 32 36 20 46 65 62 20 32 30 31 38 20 30 34 , 26 Feb 2018 04

0060 3a 35 37 3a 35 34 20 47 4d 54 0d 0a 53 65 72 76 :57:54 G MT..Serv

0070 65 72 3a 20 41 70 61 63 68 65 2f 32 2e 34 2e 36 er: Apac he/2.4.6

0080 20 28 43 65 6e 74 4f 53 29 20 4f 70 65 6e 53 53 (CentOS) OpenSS

0090 4c 2f 31 2e 30 2e 32 6b 2d 66 69 70 73 20 50 48 L/1.0.2k -fips PH

00a0 50 2f 35 2e 34 2e 31 36 20 6d 6f 64 5f 70 65 72 P/5.4.16 mod_per

00b0 6c 2f 32 2e 30 2e 31 30 20 50 65 72 6c 2f 76 35 L/2.0.10 Perl/v5

00c0 2e 31 36 2e 33 0d 0a 4c 61 73 74 2d 4d 6f 64 69 .16.3..L ast-Modi

00d0 66 69 65 64 3a 20 53 75 6e 2c 20 32 35 20 46 65 fied: Su n, 25 Fe

Frame (frame), 540 bytes

Packets: 472 · Displayed: 1 (0.2%) · Dropped: 0 (0.0%)

Profile: Default

6. Content-length = 128 bits

The image shows a Wireshark packet capture window titled "*Ethernet". The packet list at the top shows four packets. Packet 287 is an HTTP 200 OK response from 128.119.245.12 to 192.168.1.77. The packet details pane for packet 287 shows the following structure:

- Frame 287: 540 bytes on wire (4320 bits), 540 bytes captured (4320 bits) on interface 0
- Ethernet II, Src: Zwire_6a:dd:6d (dc:7f:a4:6a:dd:6d), Dst: GoodWayI_7c:78:0b (00:50:b6:7c:78:0b)
- Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.1.77
- Transmission Control Protocol, Src Port: 80, Dst Port: 50534, Seq: 1, Ack: 427, Len: 486
- Hypertext Transfer Protocol
 - HTTP/1.1 200 OK\r\n
 - Date: Mon, 26 Feb 2018 04:57:54 GMT\r\n
 - Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/5.4.16 mod_perl/2.0.10 Perl/v5.16.3\r\n
 - Last-Modified: Sun, 25 Feb 2018 06:59:02 GMT\r\n
 - Etag: "80-56603edad1d6e"\r\n
 - Accept-Ranges: bytes\r\n
 - Content-Length: 128\r\n
 - [Content length: 128]
 - 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: 0.107576000 seconds]
 - [Request in frame: 284]
 - [Next request in frame: 290]
 - [Next response in frame: 291]

The packet bytes pane at the bottom shows the raw data in hexadecimal and ASCII. The ASCII column shows the beginning of the HTTP response, including the status line and headers.

File Data: 128 bytes

Frame (frame), 540 bytes | Packets: 472 · Displayed: 4 (0.8%) · Dropped: 0 (0.0%) | Profile: Default

7. No, the raw data appears to match up with what is shown in the packet-listing window.

8. There appears to be no “if-modified-since” message

The image shows a Wireshark network traffic capture. The top pane displays a list of packets, with packet 354 selected. The middle pane shows the details of the selected packet, which is an HTTP GET request. The bottom pane shows the raw packet data in hexadecimal and ASCII.

Packets List:

No.	Time	Source	Destination	Protocol	Length	Info
173	5.822052	192.168.1.77	128.119.245.12	HTTP	480	GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
176	5.917314	128.119.245.12	192.168.1.77	HTTP	784	HTTP/1.1 200 OK (text/html)
181	6.226158	192.168.1.77	128.119.245.12	HTTP	451	GET /favicon.ico HTTP/1.1
182	6.320901	128.119.245.12	192.168.1.77	HTTP	538	HTTP/1.1 404 Not Found (text/html)
354	25.694319	192.168.1.77	128.119.245.12	HTTP	592	GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
356	25.789810	128.119.245.12	192.168.1.77	HTTP	294	HTTP/1.1 304 Not Modified

Packet 354 Details:

- Frame 354: 592 bytes on wire (4736 bits), 592 bytes captured (4736 bits) on interface 0
- Ethernet II, Src: GoodWayI 7c:78:0b (00:50:b6:7c:78:0b), Dst: 2wire_6a:dd:6d (dc:7f:a4:6a:dd:6d)
- Internet Protocol Version 4, Src: 192.168.1.77, Dst: 128.119.245.12
- Transmission Control Protocol, Src Port: 50691, Dst Port: 80, Seq: 1, Ack: 1, Len: 538
- Hypertext Transfer Protocol**
 - GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1\r\n
 - Host: gaia.cs.umass.edu\r\n
 - Connection: keep-alive\r\n
 - Cache-Control: max-age=0\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/64.0.3282.167 Safari/537.36\r\n
 - Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,image/apng,*/*;q=0.8\r\n
 - Accept-Encoding: gzip, deflate\r\n
 - Accept-Language: en-US,en;q=0.9\r\n
 - If-None-Match: "173-56603edad1986"\r\n
 - If-Modified-Since: Sun, 25 Feb 2018 06:59:02 GMT\r\n
 - \r\n
 - [Full request URI: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file2.html]
 - [HTTP request 1/1]
 - [Response in frame: 356]

Raw Data (Hex/ASCII):

```
0000 dc 7f a4 6a dd 6d 00 50 b6 7c 78 0b 08 00 45 00 ...j.m.P .[x...E
0010 02 42 22 a5 40 00 80 06 00 00 c0 a8 01 4d 80 77 .B".@... ..M.w
0020 f5 0c c6 03 00 50 36 e5 07 f9 fe 17 90 82 50 18 .....P6. ....P.
0030 01 00 39 ae 00 00 47 45 54 20 2f 77 69 72 65 73 ..9...GE T /wires
0040 68 61 72 6b 2d 6c 61 62 73 2f 48 54 54 50 2d 77 hark-lab s/HTTP-w
0050 69 72 65 73 68 61 72 6b 2d 66 69 6c 65 32 2e 68 ireshark -file2.h
0060 74 6d 6c 20 48 54 54 50 2f 31 2e 31 0d 0a 48 6f tml HTTP /1.1.Ho
0070 73 74 3a 20 67 61 69 61 2e 63 73 2e 75 6d 61 73 st: gaia .cs.umas
0080 73 2e 65 64 75 0d 0a 43 6f 6e 6e 65 63 74 69 6f s.edu..C connectio
0090 6e 3a 20 6b 65 65 70 2d 61 6c 69 76 65 0d 0a 43 n: keep- alive..C
00a0 61 63 68 65 2d 43 6f 6e 74 72 6f 6c 3a 20 6d 61 ache-Con trol: ma
00b0 78 2d 61 67 65 3d 30 0d 0a 55 70 67 72 61 64 65 x-age=0. .Upgrade
00c0 2d 49 6e 73 65 63 75 72 65 2d 52 65 71 75 65 73 -Insecun e-Reques
00d0 74 73 3a 20 31 0d 0a 55 73 65 72 2d 41 67 65 6e ts: 1..U ser-Agen
```

9. The line based text data tab shows the html text that was sent over.

No.	Time	Source	Destination	Protocol	Length	Info
173	5.822052	192.168.1.77	128.119.245.12	HTTP	480	GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
176	5.917314	128.119.245.12	192.168.1.77	HTTP	784	HTTP/1.1 200 OK (text/html)
181	6.226158	192.168.1.77	128.119.245.12	HTTP	451	GET /favicon.ico HTTP/1.1
182	6.320901	128.119.245.12	192.168.1.77	HTTP	538	HTTP/1.1 404 Not Found (text/html)
354	25.694319	192.168.1.77	128.119.245.12	HTTP	592	GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
356	25.789810	128.119.245.12	192.168.1.77	HTTP	294	HTTP/1.1 304 Not Modified

```
> 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: 0.095262000 seconds]
[Request in frame: 173]
[Next request in frame: 181]
[Next response in frame: 182]
File Data: 371 bytes
Line-based text data: text/html
\r\n
<html>\r\n
\r\n
Congratulations again! Now you've downloaded the file lab2-2.html. <br>\r\n
This file's last modification date will not change. <p>\r\n
Thus if you download this multiple times on your browser, a complete copy <br>\r\n
will only be sent once by the server due to the inclusion of the IN-MODIFIED-SINCE<br>\r\n
field in your browser's HTTP GET request to the server.\r\n
\r\n
</html>\r\n
```

10. Yes. If-Modified-Since: Sun, 25 Feb 2018 06:59:02 GMT

173	5.822052	192.168.1.77	128.119.245.12	HTTP	480	GET /wireshark-labs/HTTP-wireshark-f
176	5.917314	128.119.245.12	192.168.1.77	HTTP	784	HTTP/1.1 200 OK (text/html)
181	6.226158	192.168.1.77	128.119.245.12	HTTP	451	GET /favicon.ico HTTP/1.1
182	6.320901	128.119.245.12	192.168.1.77	HTTP	538	HTTP/1.1 404 Not Found (text/html)
354	25.694319	192.168.1.77	128.119.245.12	HTTP	592	GET /wireshark-labs/HTTP-wireshark-f
356	25.789810	128.119.245.12	192.168.1.77	HTTP	294	HTTP/1.1 304 Not Modified

```
> Frame 354: 592 bytes on wire (4736 bits), 592 bytes captured (4736 bits) on interface 0
> Ethernet II, Src: GoodWayI_7c:78:0b (00:50:b6:7c:78:0b), Dst: 2wire_6a:dd:6d (dc:7f:a4:6a:dd:6d)
> Internet Protocol Version 4, Src: 192.168.1.77, Dst: 128.119.245.12
> Transmission Control Protocol, Src Port: 50691, Dst Port: 80, Seq: 1, Ack: 1, Len: 538
Hypertext Transfer Protocol
  > GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1\r\n
    Host: gaia.cs.umass.edu\r\n
    Connection: keep-alive\r\n
    Cache-Control: max-age=0\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/64.0.:
    Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,image/apng,*/*;q=0.8\r\n
    Accept-Encoding: gzip, deflate\r\n
    Accept-Language: en-US,en;q=0.9\r\n
    If-None-Match: "173-56603edad1986"\r\n
    If-Modified-Since: Sun, 25 Feb 2018 06:59:02 GMT\r\n
    \r\n
    [Full request URI: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file2.html]
    [HTTP request 1/1]
    [Response in frame: 356]
```

11. As seen in the previous screenshot, the message is a http 1.1 304 Not Modified message. This is much shorter than the full response from the previous response.
12. My browser sent one GET message. Packet Number 148.
13. Packet number 164 contains the status code and the phrase 200 OK.
14. Status code and phrase of the response is 200 OK.
15. 4 Segments were needed to carry the Bill of Rights to my browser.

The screenshot shows a Wireshark packet capture of an HTTP transaction. The packet list at the top shows four segments of an HTTP response:

No.	Time	Source	Destination	Protocol	Length	Info
148	12.484579	192.168.1.77	128.119.245.12	HTTP	480	GET /wireshark-labs/HTTP-wireshark-file3.html HTTP/1.1
164	12.582294	128.119.245.12	192.168.1.77	HTTP	535	HTTP/1.1 200 OK (text/html)
165	12.990380	192.168.1.77	128.119.245.12	HTTP	451	GET /favicon.ico HTTP/1.1
187	13.085341	128.119.245.12	192.168.1.77	HTTP	538	HTTP/1.1 404 Not Found (text/html)

The packet details pane shows the structure of the selected packet (164):

- Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.1.77
- Transmission Control Protocol, Src Port: 80, Dst Port: 50876, Seq: 4381, Ack: 427, Len: 481
- [4 Reassembled TCP Segments (4861 bytes): #160(1460), #161(1460), #163(1460), #164(481)]
 - [Frame: 160, payload: 0-1459 (1460 bytes)]
 - [Frame: 161, payload: 1460-2919 (1460 bytes)]
 - [Frame: 163, payload: 2920-4379 (1460 bytes)]
 - [Frame: 164, payload: 4380-4860 (481 bytes)]
- [Segment count: 4]
- [Reassembled TCP length: 4861]
- [Reassembled TCP Data: 485454502f312e3120323030204f4b0d0a4461746553a204d...]
- Hypertext Transfer Protocol
 - HTTP/1.1 200 OK\r\n
 - Date: Mon, 26 Feb 2018 06:22:38 GMT\r\n
 - Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/5.4.16 mod_perl/2.0.10 Perl/v5.16.3\r\n
 - Last-Modified: Mon, 26 Feb 2018 06:22:01 GMT\r\n
 - ETag: "1194-56617872b6711"\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
 - [UTF-8 encoded data]

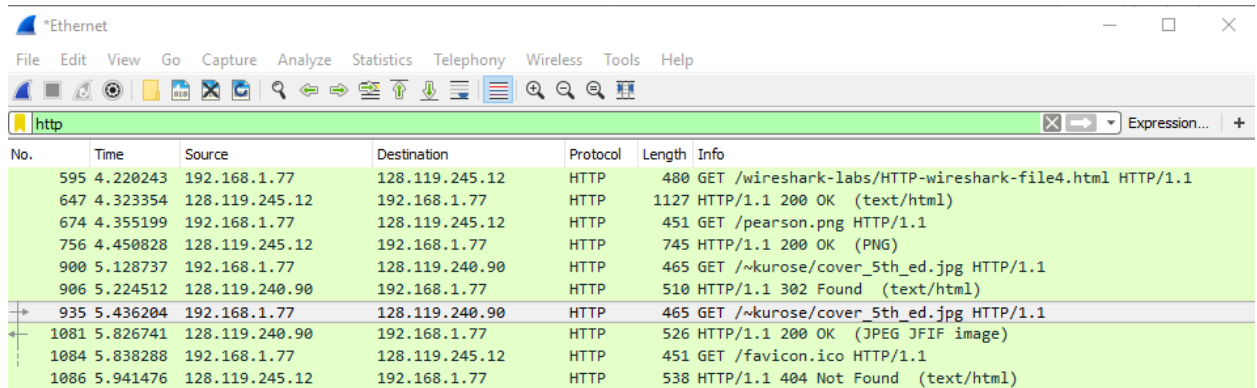
The packet bytes pane shows the raw data of the selected packet, which is the reassembled TCP data (4861 bytes).

Frame (535 bytes) Reassembled TCP (4861 bytes)

Packets: 215 · Displayed: 4 (1.9%) · Dropped: 0 (0.0%) | Profile: Default

16. 4, not counting the favicon.io get message. The GET messages were sent to 128.119.245.12, and 128.119.240.90.

17. Based on the time stamps, it looks like the images were downloaded serially. Also the source port is incrementing from 50929, 50930 and 50932 which means the images were delivered serially over separate TCP connections.



No.	Time	Source	Destination	Protocol	Length	Info
595	4.220243	192.168.1.77	128.119.245.12	HTTP	480	GET /wireshark-labs/HTTP-wireshark-file4.html HTTP/1.1
647	4.323354	128.119.245.12	192.168.1.77	HTTP	1127	HTTP/1.1 200 OK (text/html)
674	4.355199	192.168.1.77	128.119.245.12	HTTP	451	GET /pearson.png HTTP/1.1
756	4.450828	128.119.245.12	192.168.1.77	HTTP	745	HTTP/1.1 200 OK (PNG)
900	5.128737	192.168.1.77	128.119.240.90	HTTP	465	GET /~kurose/cover_5th_ed.jpg HTTP/1.1
906	5.224512	128.119.240.90	192.168.1.77	HTTP	510	HTTP/1.1 302 Found (text/html)
935	5.436204	192.168.1.77	128.119.240.90	HTTP	465	GET /~kurose/cover_5th_ed.jpg HTTP/1.1
1081	5.826741	128.119.240.90	192.168.1.77	HTTP	526	HTTP/1.1 200 OK (JPEG JFIF image)
1084	5.838288	192.168.1.77	128.119.245.12	HTTP	451	GET /favicon.ico HTTP/1.1
1086	5.941476	128.119.245.12	192.168.1.77	HTTP	538	HTTP/1.1 404 Not Found (text/html)

```
> Frame 935: 465 bytes on wire (3720 bits), 465 bytes captured (3720 bits) on interface 0
> Ethernet II, Src: GoodwayI_7c:78:0b (00:50:b6:7c:78:0b), Dst: 2wire_6a:dd:6d (dc:7f:a4:6a:dd:6d)
> Internet Protocol Version 4, Src: 192.168.1.77, Dst: 128.119.240.90
> Transmission Control Protocol, Src Port: 50932, Dst Port: 80, Seq: 1, Ack: 1, Len: 411
▼ Hypertext Transfer Protocol
  > GET /~kurose/cover_5th_ed.jpg HTTP/1.1\r\n
    Host: caite.cs.umass.edu\r\n
    Connection: keep-alive\r\n
    User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/64.0.3282.167 Safari/537.36\r\n
    Accept: image/webp,image/apng,image/*,*/*;q=0.8\r\n
    Referer: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file4.html\r\n
    Accept-Encoding: gzip, deflate\r\n
    Accept-Language: en-US,en;q=0.9\r\n
    \r\n
    [Full request URI: http://caite.cs.umass.edu/~kurose/cover_5th_ed.jpg]
    [HTTP request 1/1]
    [Response in frame: 1081]
```

18. The initial response is HTTP/ 1.1 401 Unauthorized

19. An authorization field appears.

The image shows a Wireshark packet capture window titled "*Ethernet". The packet list on the left shows several HTTP packets. Packet 926 is highlighted, showing a GET request for "/wireshark-labs/protected_pages/HTTP-wireshark-file5.html". The packet details pane on the right shows the structure of this request, including the Authorization header with Basic authentication credentials.

No.	Time	Source	Destination	Protocol	Length	Info
682	8.431219	192.168.1.77	128.119.245.12	HTTP	496	GET /wireshark-labs/protected_pages/HTTP-wireshark-file5.ht...
684	8.540227	128.119.245.12	192.168.1.77	HTTP	771	HTTP/1.1 401 Unauthorized (text/html)
926	28.715539	192.168.1.77	128.119.245.12	HTTP	555	GET /wireshark-labs/protected_pages/HTTP-wireshark-file5.ht...
929	28.812109	128.119.245.12	192.168.1.77	HTTP	544	HTTP/1.1 200 OK (text/html)
933	29.187231	192.168.1.77	128.119.245.12	HTTP	467	GET /favicon.ico HTTP/1.1
934	29.282054	128.119.245.12	192.168.1.77	HTTP	538	HTTP/1.1 404 Not Found (text/html)

Frame 926: 555 bytes on wire (4440 bits), 555 bytes captured (4440 bits) on interface 0
> Ethernet II, Src: GoodWayI_7c:78:0b (00:50:b6:7c:78:0b), Dst: 2wire_6a:dd:6d (dc:7f:a4:6a:dd:6d)
> Internet Protocol Version 4, Src: 192.168.1.77, Dst: 128.119.245.12
> Transmission Control Protocol, Src Port: 50988, Dst Port: 80, Seq: 1, Ack: 1, Len: 501
v Hypertext Transfer Protocol
 > GET /wireshark-labs/protected_pages/HTTP-wireshark-file5.html HTTP/1.1\r\nHost: gaia.cs.umass.edu\r\nConnection: keep-alive\r\n v Authorization: Basic d2lyZXNoYXJrLXN0dWRlbnRzOm5ldHdvcmcs=\r\n Credentials: wireshark-students:network\r\n Upgrade-Insecure-Requests: 1\r\nUser-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/64.0.3282.167 Safari/537.36\r\nAccept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,image/apng,*/*;q=0.8\r\nAccept-Encoding: gzip, deflate\r\nAccept-Language: en-US,en;q=0.9\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: 929]
[Next request in frame: 933]