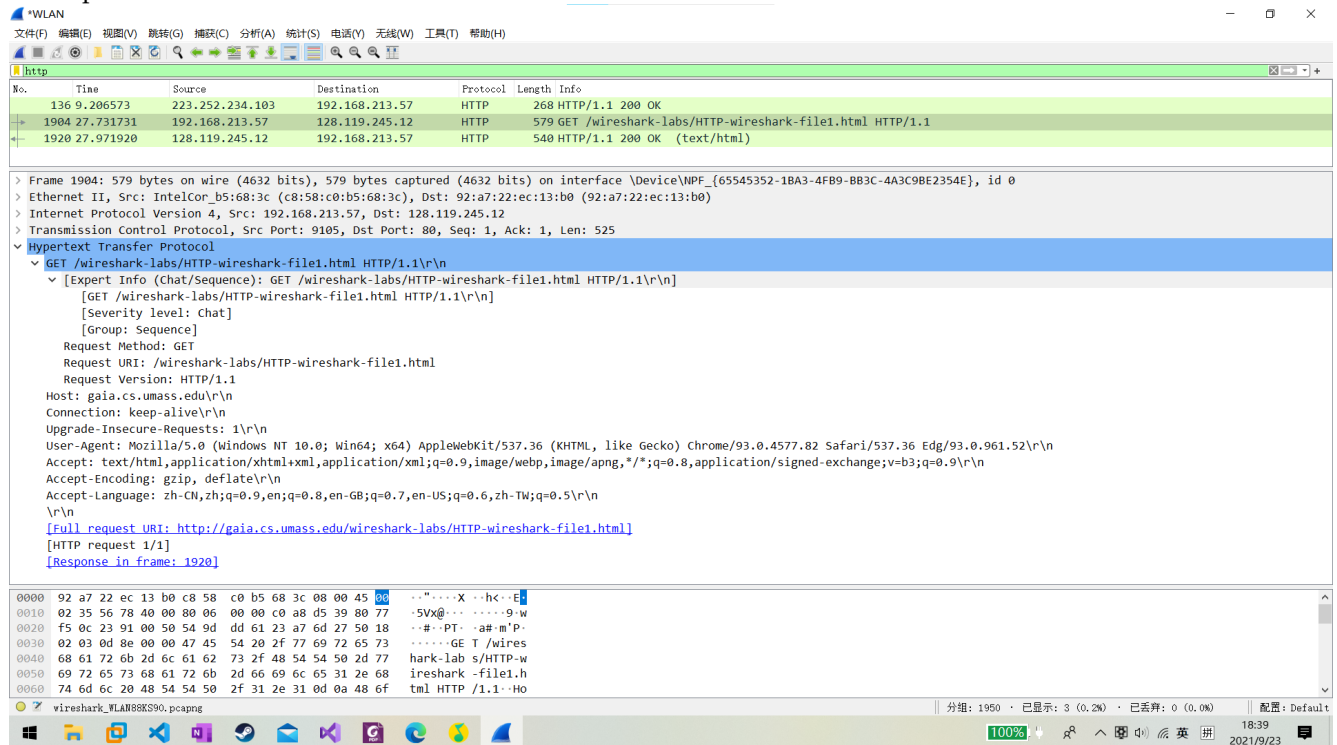


Computer Network Study Lab 2

- Author: PB19000362 钟书锐
- Time: 2021.9.23

1. The Basic HTTP GET/response interaction

- The picture of the wireshark.



- The picture of the <http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file1.html>

Congratulations. You've downloaded the file <http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file1.html>!

Q1 Is your browser running HTTP version 1.0 or 1.1? What version of HTTP is the server running?

Both are HTTP 1.1

Q2. What languages (if any) does your browser indicate that it can accept to the server?

Accept-Language:

zh-CN, zh;q=0.9, en;q=0.8, en-GB;q=0.7, en-US;q=0.6, zh-TW;q=0.5

Q3. What is the IP address of your computer? Of the gaia.cs.umass.edu server?

- IP address of my computer: 192.168.213.57
- IP address of the server: 128.119.245.12

Q4. What is the status code returned from the server to your browser?

200

Q5. When was the HTML file that you are retrieving last modified at the server?

Last-Modified: Thu, 23 Sep 2021 05:59:02 GMT

Q6. How many bytes of content are being returned to your browser?

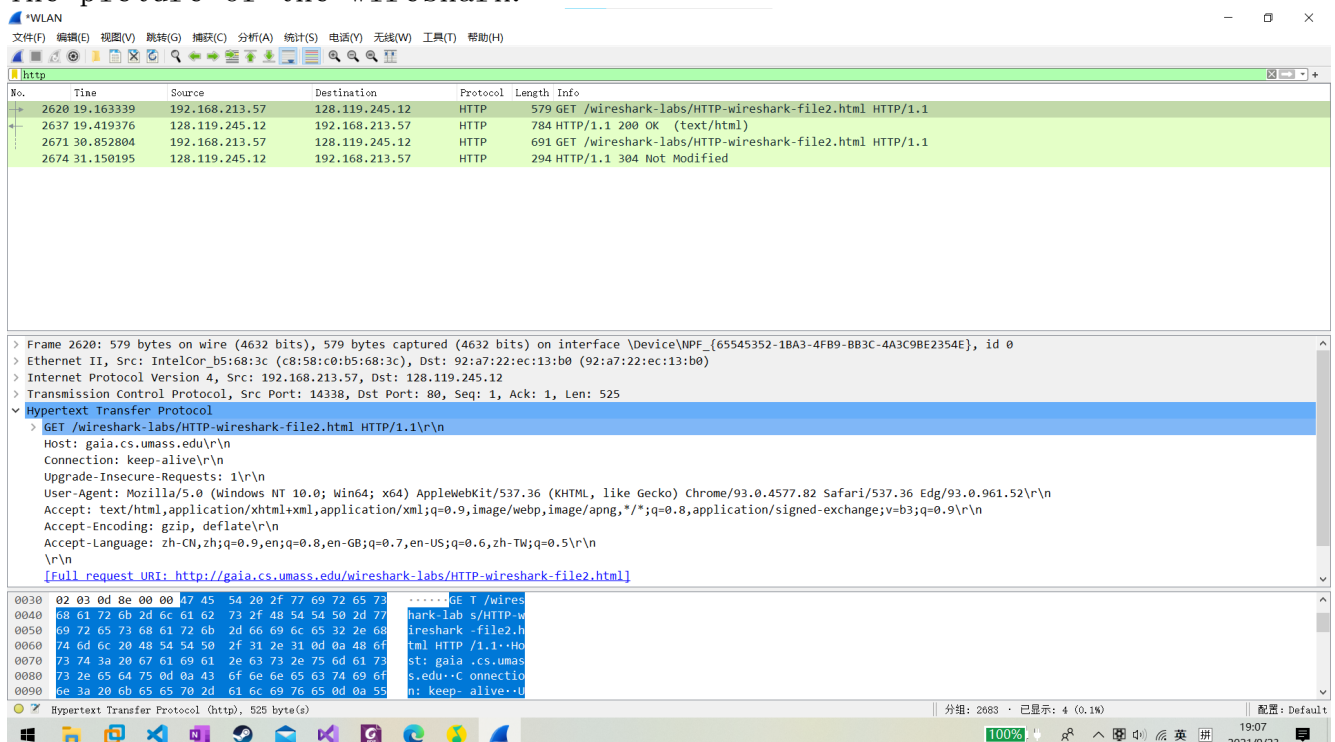
128

Q7. By inspecting the raw data in the packet content window, do you see any headers within the data that are not displayed in the packet-listing window? If so, name one.

No, all of the headers can be found in the raw data.

2. The HTTP CONDITIONAL GET/response interaction

- The picture of the wireshark.



- The picture of the <http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file2.html>

Congratulations again! Now you've downloaded the file lab2-2.html.
This file's last modification date will not change.

Thus if you download this multiple times on your browser, a complete copy will only be sent once by the server due to the inclusion of the IN-MODIFIED-SINCE field in your browser's HTTP GET request to the server.

Q8. Inspect the contents of the first HTTP GET request from your browser to the server. Do you see an “IF-MODIFIED-SINCE” line in the HTTP GET?

No.

Q9. Inspect the contents of the server response. Did the server explicitly return the contents of the file? How can you tell?

Yes, we can see the contents in the Line-based text data field, and the content-Length is 371.

Q10. Now inspect the contents of the second HTTP GET request from your browser to the server. Do you see an “IF-MODIFIED-SINCE:” line in the HTTP GET? If so, what information follows the “IF-MODIFIED-SINCE:” header?

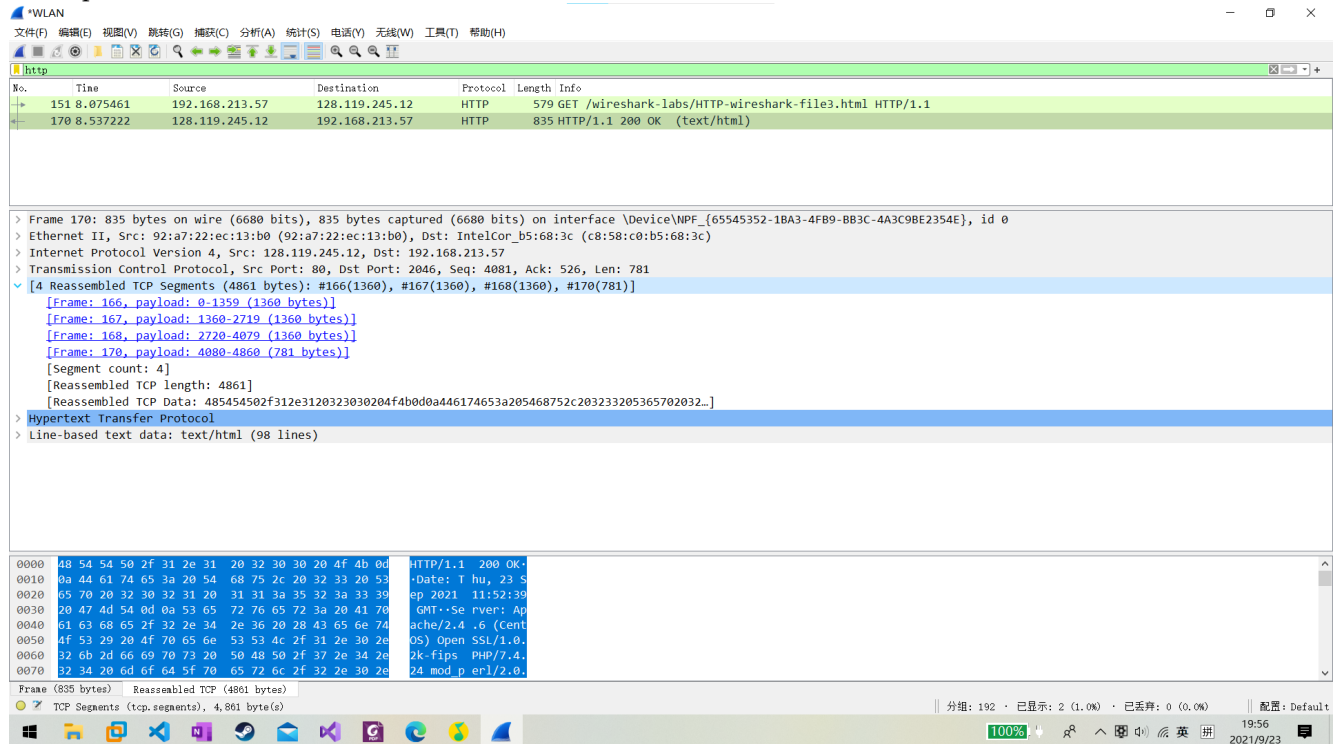
- Yes.
- If-Modified-Since: Thu, 23 Sep 2021 05:59:02 GMT\r\n
- This is the date of the last modification of the file from the previous get request.

Q11. What is the HTTP status code and phrase returned from the server in response to this second HTTP GET? Did the server explicitly return the contents of the file? Explain.

- 304 Not Modified
- No, The server didn't return the contents of the file since the browser loaded it from its cache. Return the contents will just waste time.

3. Retrieving Long Documents

- The picture of the wireshark.



- The picture of the <http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file3.html>

THE BILL OF RIGHTS
Amendments 1-10 of the Constitution

The Conventions of a number of the States having, at the time of adopting the Constitution, expressed a desire, in order to prevent misconstruction or abuse of its powers, that further declaratory and restrictive clauses should be added, and as extending the ground of public confidence in the Government will best insure the beneficent ends of its institution;

Resolved, by the Senate and House of Representatives of the United States of America, in Congress assembled, two-thirds of both Houses concurring, that the following articles be proposed to the Legislatures of the several States, as amendments to the Constitution of the United States; all or any of which articles, when ratified by three-fourths of the said Legislatures, to be valid to all intents and purposes as part of the said Constitution, namely:

Amendment I

Congress shall make no law respecting an establishment of religion, or prohibiting the free exercise thereof; or abridging the freedom of speech, or of the press; or the right of the people peaceably to assemble, and to petition the government for a redress of grievances.

Amendment II

A well regulated militia, being necessary to the security of a free state, the right of the people to keep and bear arms, shall not be infringed.

Amendment III

No soldier shall, in time of peace be quartered in any house, without the consent of the owner, nor in time of war, but in a manner to be prescribed by law.

Amendment IV

The right of the people to be secure in their persons, houses, papers, and effects, against unreasonable searches and seizures, shall not be violated, and no warrants shall issue, but upon probable cause, supported by oath or affirmation, and particularly describing the place to be searched, and the persons or things to be seized.

Amendment V

No person shall be held to answer for a capital, or otherwise infamous crime, unless on a presentment or indictment of a grand jury, except in cases arising in the land or naval forces, or in the militia, when in actual service in time of war or public danger; nor shall any person be subject for the same offense to be twice put in jeopardy of life or limb; nor shall be compelled in any criminal case to be a witness against himself nor be deprived of life liberty or property without due process of law; nor shall private property be taken for public use without just compensation

Q12. How many HTTP GET request messages did your browser send? Which packet number in the trace contains the GET message for the Bill or Rights?

- My browser send 1 HTTP GET request message.
- All the 4 packets contains the GET message for the Bill or Rights.
(166, 167, 168, 170)

Q13. Which packet number in the trace contains the status code and phrase associated with the response to the HTTP GET request?

The first packet(166).

Q14. What is the status code and phrase in the response?

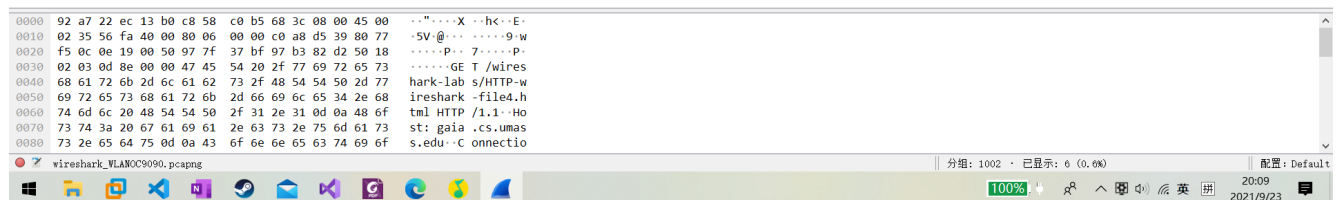
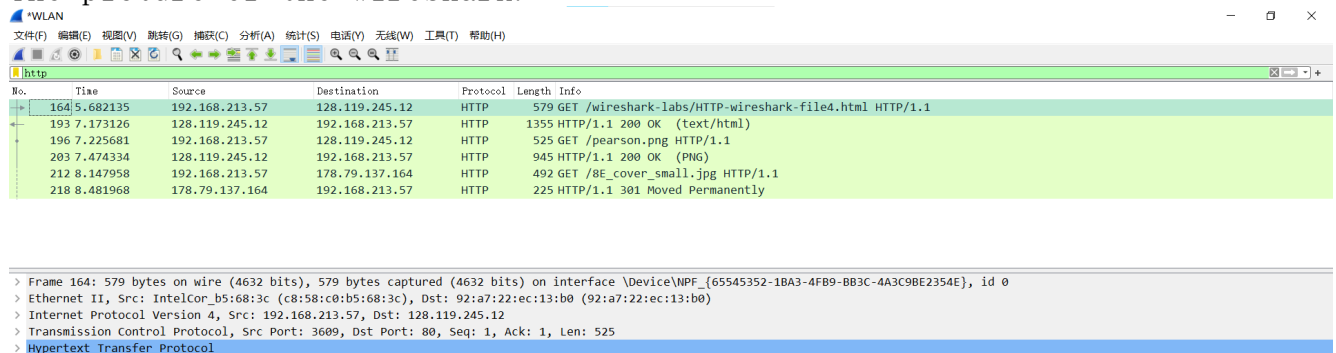
200 OK

Q15. How many data-containing TCP segments were needed to carry the single HTTP response and the text of the Bill of Rights?

4

4.HTML Documents with Embedded Objects

- The picture of the wireshark.



- The picture of the <http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file3.html>



This little HTML file is being served by gaia.cs.umass.edu. It contains two embedded images. The image above, also served from the gaia.cs.umass.edu web site, is the logo of our publisher, Pearson. The image of our 8th edition book cover below is stored at, and served from, a WWW server kurose.cslash.net in France:



And while we have your attention, you might want to take time to check out the available open resources for this book at http://gaia.cs.umass.edu/kurose_ross.

Q16. How many HTTP GET request messages did your browser send? To which Internet addresses were these GET requests sent?

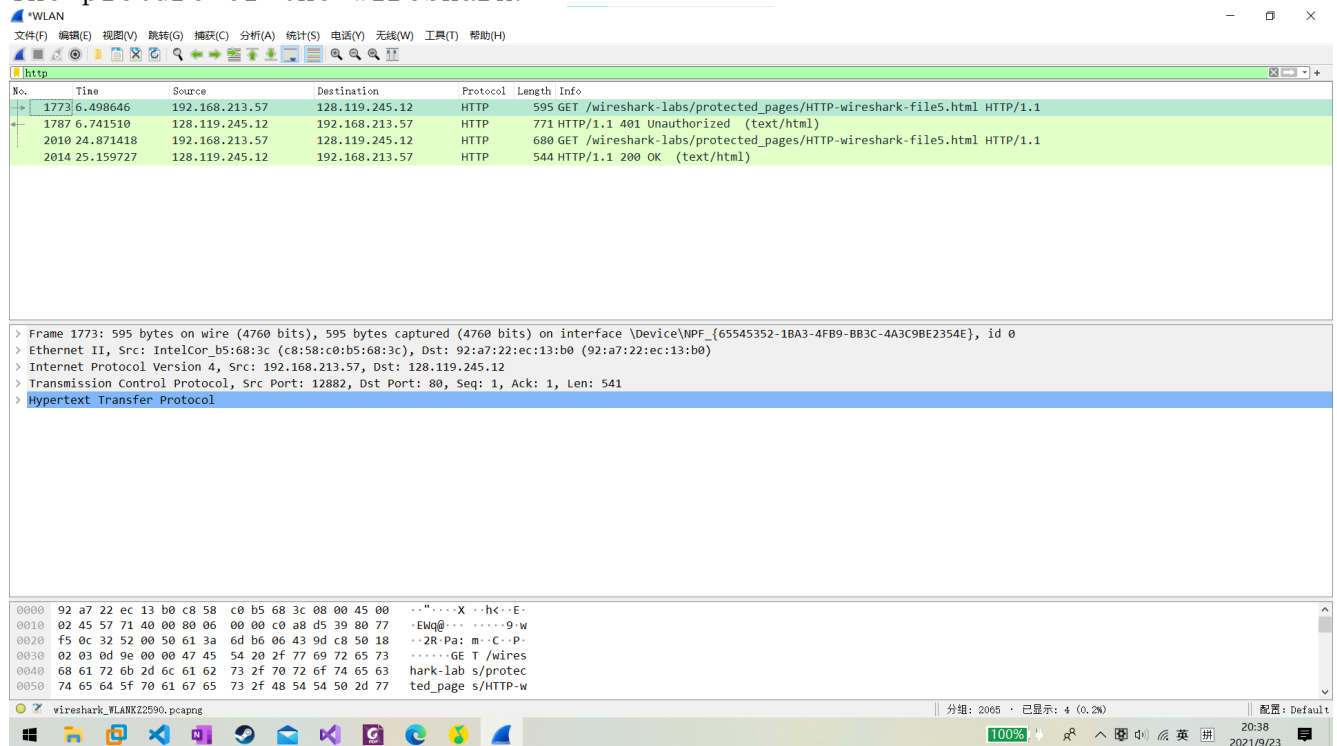
Browser send 3 request 128.119.245.12 128.119.245.12 178.79.137.164

Q17. Can you tell whether your browser downloaded the two images serially, or whether they were downloaded from the two web sites in parallel? Explain

- Serially, see the time.
- The first image (send request at 7.225681, and receive at 7.474334)
- The second image (send request at 8.147958, and receive at 8.481968)

5.HTTP Authentication

- The picture of the wireshark.



- The picture before enter the web.

登录以访问此站点

<http://gaia.cs.umass.edu> 要求进行身份验证
与此站点的连接不安全

用户名

密码

- The picture of the <http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file5.html>

This page is password protected! If you're seeing this, you've downloaded the page correctly
Congratulations!

Q18. What is the server' s response (status code and phrase) in response to the initial HTTP GET message from your browser?

401 Unauthorized

Q19. When your browser' s sends the HTTP GET message for the second time, what new field is included in the HTTP GET message?

Authorization: Basic d2lyZXNoYXJrLXN0dWR1bnRzOm5ldHdvcms=\r\n

No.	Time	Source	Destination	Protocol	Length	Info
47	7.513536	192.168.213.57	128.119.245.12	HTTP	579	GET /wireshark-labs/HTTP-wireshark-file1.html HTTP/1.1

Frame 47: 579 bytes on wire (4632 bits), 579 bytes captured (4632 bits) on interface \Device\NPF_{65545352-1BA3-4FB9-BB3C-4A3C9BE2354E}, id 0
Ethernet II, Src: IntelCor_b5:68:3c (c8:58:c0:b5:68:3c), Dst: 92:a7:22:ec:13:b0 (92:a7:22:ec:13:b0)
Internet Protocol Version 4, Src: 192.168.213.57, Dst: 128.119.245.12
Transmission Control Protocol, Src Port: 4819, Dst Port: 80, Seq: 1, Ack: 1, Len: 525
Hypertext Transfer Protocol

No.	Time	Source	Destination	Protocol	Length	Info
51	7.755362	128.119.245.12	192.168.213.57	HTTP	540	HTTP/1.1 200 OK (text/html)

Frame 51: 540 bytes on wire (4320 bits), 540 bytes captured (4320 bits) on interface \Device\NPF_{65545352-1BA3-4FB9-BB3C-4A3C9BE2354E}, id 0
Ethernet II, Src: 92:a7:22:ec:13:b0 (92:a7:22:ec:13:b0), Dst: IntelCor_b5:68:3c (c8:58:c0:b5:68:3c)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.213.57
Transmission Control Protocol, Src Port: 80, Dst Port: 4819, Seq: 1, Ack: 526, Len: 486
Hypertext Transfer Protocol
Line-based text data: text/html (4 lines)

The Basic HTTP GET/response interaction

No.	Time	Source	Destination	Protocol	Length	Info
2620	19.163339	192.168.213.57	128.119.245.12	HTTP	579	GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
Frame 2620: 579 bytes on wire (4632 bits), 579 bytes captured (4632 bits) on interface \Device\NPF_{65545352-1BA3-4FB9-BB3C-4A3C9BE2354E}, id 0						
Ethernet II, Src: IntelCor_b5:68:3c (c8:58:c0:b5:68:3c), Dst: 92:a7:22:ec:13:b0 (92:a7:22:ec:13:b0)						
Internet Protocol Version 4, Src: 192.168.213.57, Dst: 128.119.245.12						
Transmission Control Protocol, Src Port: 14338, Dst Port: 80, Seq: 1, Ack: 1, Len: 525						
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						
Upgrade-Insecure-Requests: 1\r\n						
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/93.0.4577.82 Safari/537.36 Edg/93.0.961.52\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;q=0.9\r\n						
Accept-Encoding: gzip, deflate\r\n						
Accept-Language: zh-CN,zh;q=0.9,en;q=0.8,en-GB;q=0.7,en-US;q=0.6,zh-TW;q=0.5\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: 2637]						
No.	Time	Source	Destination	Protocol	Length	Info
2637	19.419376	128.119.245.12	192.168.213.57	HTTP	784	HTTP/1.1 200 OK (text/html)
Frame 2637: 784 bytes on wire (6272 bits), 784 bytes captured (6272 bits) on interface \Device\NPF_{65545352-1BA3-4FB9-BB3C-4A3C9BE2354E}, id 0						
Ethernet II, Src: 92:a7:22:ec:13:b0 (92:a7:22:ec:13:b0), Dst: IntelCor_b5:68:3c (c8:58:c0:b5:68:3c)						
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.213.57						
Transmission Control Protocol, Src Port: 80, Dst Port: 14338, Seq: 1, Ack: 526, Len: 730						
Hypertext Transfer Protocol						
HTTP/1.1 200 OK\r\n						
Date: Thu, 23 Sep 2021 11:06:15 GMT\r\n						
Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/7.4.24 mod_perl/2.0.11 Perl/v5.16.3\r\n						
Last-Modified: Thu, 23 Sep 2021 05:59:02 GMT\r\n						
ETag: "173-5cca353dcd1f3"\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 1/1]						
[Time since request: 0.256037000 seconds]						
[Request in frame: 2620]						
[Request URI: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file2.html]						
File Data: 371 bytes						
Line-based text data: text/html (10 lines)						
No.	Time	Source	Destination	Protocol	Length	Info
2671	30.852804	192.168.213.57	128.119.245.12	HTTP	691	GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
Frame 2671: 691 bytes on wire (5528 bits), 691 bytes captured (5528 bits) on interface \Device\NPF_{65545352-1BA3-4FB9-BB3C-4A3C9BE2354E}, id 0						
Ethernet II, Src: IntelCor_b5:68:3c (c8:58:c0:b5:68:3c), Dst: 92:a7:22:ec:13:b0 (92:a7:22:ec:13:b0)						
Internet Protocol Version 4, Src: 192.168.213.57, Dst: 128.119.245.12						
Transmission Control Protocol, Src Port: 14900, Dst Port: 80, Seq: 1, Ack: 1, Len: 637						
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/93.0.4577.82 Safari/537.36 Edg/93.0.961.52\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;q=0.9\r\n						
Accept-Encoding: gzip, deflate\r\n						
Accept-Language: zh-CN,zh;q=0.9,en;q=0.8,en-GB;q=0.7,en-US;q=0.6,zh-TW;q=0.5\r\n						
If-None-Match: "173-5cca353dcd1f3"\r\n						
If-Modified-Since: Thu, 23 Sep 2021 05:59:02 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: 2674]						
No.	Time	Source	Destination	Protocol	Length	Info
2674	31.150195	128.119.245.12	192.168.213.57	HTTP	294	HTTP/1.1 304 Not Modified

Frame 2674: 294 bytes on wire (2352 bits), 294 bytes captured (2352 bits) on interface \Device\NPF_{65545352-1BA3-4FB9-BB3C-4A3C9BE2354E}, id 0
Ethernet II, Src: 92:a7:22:ec:13:b0 (92:a7:22:ec:13:b0), Dst: IntelCor_b5:68:3c (c8:58:c0:b5:68:3c)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.213.57
Transmission Control Protocol, Src Port: 80, Dst Port: 14900, Seq: 1, Ack: 638, Len: 240
Hypertext Transfer Protocol
 HTTP/1.1 304 Not Modified\r\n
 Date: Thu, 23 Sep 2021 11:06:26 GMT\r\n
 Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/7.4.24 mod_perl/2.0.11 Perl/v5.16.3\r\n
 Connection: Keep-Alive\r\n
 Keep-Alive: timeout=5, max=100\r\n
 ETag: "173-5cca353dcd1f3"\r\n
 \r\n
 [HTTP response 1/1]
 [Time since request: 0.297391000 seconds]
 [Request in frame: 2671]
 [Request URI: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file2.html]

The HTTP CONDITIONAL GET/response interaction

No.	Time	Source	Destination	Protocol	Length	Info
151	8.075461	192.168.213.57	128.119.245.12	HTTP	579	GET /wireshark-labs/HTTP-wireshark-file3.html HTTP/1.1

Frame 151: 579 bytes on wire (4632 bits), 579 bytes captured (4632 bits) on interface \Device\NPF_{65545352-1BA3-4FB9-BB3C-4A3C9BE2354E}, id 0
Ethernet II, Src: IntelCor_b5:68:3c (c8:58:c0:b5:68:3c), Dst: 92:a7:22:ec:13:b0 (92:a7:22:ec:13:b0)
Internet Protocol Version 4, Src: 192.168.213.57, Dst: 128.119.245.12
Transmission Control Protocol, Src Port: 2046, Dst Port: 80, Seq: 1, Ack: 1, Len: 525
Hypertext Transfer Protocol

No.	Time	Source	Destination	Protocol	Length	Info
170	8.537222	128.119.245.12	192.168.213.57	HTTP	835	HTTP/1.1 200 OK (text/html)

Frame 170: 835 bytes on wire (6680 bits), 835 bytes captured (6680 bits) on interface \Device\NPF_{65545352-1BA3-4FB9-BB3C-4A3C9BE2354E}, id 0
Ethernet II, Src: 92:a7:22:ec:13:b0 (92:a7:22:ec:13:b0), Dst: IntelCor_b5:68:3c (c8:58:c0:b5:68:3c)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.213.57
Transmission Control Protocol, Src Port: 80, Dst Port: 2046, Seq: 4081, Ack: 526, Len: 781
[4 Reassembled TCP Segments (4861 bytes): #166(1360), #167(1360), #168(1360), #170(781)]
[Frame: 166, payload: 0-1359 (1360 bytes)]
[Frame: 167, payload: 1360-2719 (1360 bytes)]
[Frame: 168, payload: 2720-4079 (1360 bytes)]
[Frame: 170, payload: 4080-4860 (781 bytes)]
[Segment count: 4]
[Reassembled TCP length: 4861]
[Reassembled TCP Data: 485454502f312e3120323030204f4b0d0a446174653a205468752c203232305365702032...]
Hypertext Transfer Protocol
Line-based text data: text/html (98 lines)

Retrieving Long Documents

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No.      Time      Source      Destination      Protocol Length Info
 164 5.682135 192.168.213.57 128.119.245.12 HTTP 579 GET /wireshark-labs/HTTP-wireshark-
file4.html HTTP/1.1
Frame 164: 579 bytes on wire (4632 bits), 579 bytes captured (4632 bits) on interface \Device\NPF_{65545352-1BA3-4FB9-
BB3C-4A3C9BE2354E}, id 0
Ethernet II, Src: IntelCor_b5:68:3c (c8:58:c0:b5:68:3c), Dst: 92:a7:22:ec:13:b0 (92:a7:22:ec:13:b0)
Internet Protocol Version 4, Src: 192.168.213.57, Dst: 128.119.245.12
Transmission Control Protocol, Src Port: 3609, Dst Port: 80, Seq: 1, Ack: 1, Len: 525
Hypertext Transfer Protocol

No.      Time      Source      Destination      Protocol Length Info
 193 7.173126 128.119.245.12 192.168.213.57 HTTP 1355 HTTP/1.1 200 OK (text/html)
Frame 193: 1355 bytes on wire (10840 bits), 1355 bytes captured (10840 bits) on interface \Device\NPF_{65545352-1BA3-4FB9-
BB3C-4A3C9BE2354E}, id 0
Ethernet II, Src: 92:a7:22:ec:13:b0 (92:a7:22:ec:13:b0), Dst: IntelCor_b5:68:3c (c8:58:c0:b5:68:3c)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.213.57
Transmission Control Protocol, Src Port: 80, Dst Port: 3609, Seq: 1, Ack: 526, Len: 1301
Hypertext Transfer Protocol
Line-based text data: text/html (23 lines)

No.      Time      Source      Destination      Protocol Length Info
 196 7.225681 192.168.213.57 128.119.245.12 HTTP 525 GET /pearson.png HTTP/1.1
Frame 196: 525 bytes on wire (4200 bits), 525 bytes captured (4200 bits) on interface \Device\NPF_{65545352-1BA3-4FB9-
BB3C-4A3C9BE2354E}, id 0
Ethernet II, Src: IntelCor_b5:68:3c (c8:58:c0:b5:68:3c), Dst: 92:a7:22:ec:13:b0 (92:a7:22:ec:13:b0)
Internet Protocol Version 4, Src: 192.168.213.57, Dst: 128.119.245.12
Transmission Control Protocol, Src Port: 3609, Dst Port: 80, Seq: 526, Ack: 1302, Len: 471
Hypertext Transfer Protocol

No.      Time      Source      Destination      Protocol Length Info
 203 7.474334 128.119.245.12 192.168.213.57 HTTP 945 HTTP/1.1 200 OK (PNG)
Frame 203: 945 bytes on wire (7560 bits), 945 bytes captured (7560 bits) on interface \Device\NPF_{65545352-1BA3-4FB9-
BB3C-4A3C9BE2354E}, id 0
Ethernet II, Src: 92:a7:22:ec:13:b0 (92:a7:22:ec:13:b0), Dst: IntelCor_b5:68:3c (c8:58:c0:b5:68:3c)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.213.57
Transmission Control Protocol, Src Port: 80, Dst Port: 3609, Seq: 4022, Ack: 997, Len: 891
[3 Reassembled TCP Segments (3611 bytes): #200(1360), #201(1360), #203(891)]
Hypertext Transfer Protocol
Portable Network Graphics

No.      Time      Source      Destination      Protocol Length Info
 212 8.147958 192.168.213.57 178.79.137.164 HTTP 492 GET /8E_cover_small.jpg HTTP/1.1
Frame 212: 492 bytes on wire (3936 bits), 492 bytes captured (3936 bits) on interface \Device\NPF_{65545352-1BA3-4FB9-
BB3C-4A3C9BE2354E}, id 0
Ethernet II, Src: IntelCor_b5:68:3c (c8:58:c0:b5:68:3c), Dst: 92:a7:22:ec:13:b0 (92:a7:22:ec:13:b0)
Internet Protocol Version 4, Src: 192.168.213.57, Dst: 178.79.137.164
Transmission Control Protocol, Src Port: 3935, Dst Port: 80, Seq: 1, Ack: 1, Len: 438
Hypertext Transfer Protocol

No.      Time      Source      Destination      Protocol Length Info
 218 8.481968 178.79.137.164 192.168.213.57 HTTP 225 HTTP/1.1 301 Moved Permanently
Frame 218: 225 bytes on wire (1800 bits), 225 bytes captured (1800 bits) on interface \Device\NPF_{65545352-1BA3-4FB9-
BB3C-4A3C9BE2354E}, id 0
Ethernet II, Src: 92:a7:22:ec:13:b0 (92:a7:22:ec:13:b0), Dst: IntelCor_b5:68:3c (c8:58:c0:b5:68:3c)
Internet Protocol Version 4, Src: 178.79.137.164, Dst: 192.168.213.57
Transmission Control Protocol, Src Port: 80, Dst Port: 3935, Seq: 1, Ack: 439, Len: 171
Hypertext Transfer Protocol

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HTML Documents with Embedded Objects

No.	Time	Source	Destination	Protocol	Length	Info
1773	6.498646	192.168.213.57	128.119.245.12	HTTP	595	GET /wireshark-labs/protected_pages/HTTP-wireshark-file5.html HTTP/1.1
Frame 1773: 595 bytes on wire (4760 bits), 595 bytes captured (4760 bits) on interface \Device\NPF_{65545352-1BA3-4FB9-BB3C-4A3C9BE2354E}, id 0						
Ethernet II, Src: IntelCor_b5:68:3c (c8:58:c0:b5:68:3c), Dst: 92:a7:22:ec:13:b0 (92:a7:22:ec:13:b0)						
Internet Protocol Version 4, Src: 192.168.213.57, Dst: 128.119.245.12						
Transmission Control Protocol, Src Port: 12882, Dst Port: 80, Seq: 1, Ack: 1, Len: 541						
Hypertext Transfer Protocol						
No.	Time	Source	Destination	Protocol	Length	Info
1787	6.741510	128.119.245.12	192.168.213.57	HTTP	771	HTTP/1.1 401 Unauthorized (text/html)
Frame 1787: 771 bytes on wire (6168 bits), 771 bytes captured (6168 bits) on interface \Device\NPF_{65545352-1BA3-4FB9-BB3C-4A3C9BE2354E}, id 0						
Ethernet II, Src: 92:a7:22:ec:13:b0 (92:a7:22:ec:13:b0), Dst: IntelCor_b5:68:3c (c8:58:c0:b5:68:3c)						
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.213.57						
Transmission Control Protocol, Src Port: 80, Dst Port: 12882, Seq: 1, Ack: 542, Len: 717						
Hypertext Transfer Protocol						
Line-based text data: text/html (12 lines)						
No.	Time	Source	Destination	Protocol	Length	Info
2010	24.871418	192.168.213.57	128.119.245.12	HTTP	680	GET /wireshark-labs/protected_pages/HTTP-wireshark-file5.html HTTP/1.1
Frame 2010: 680 bytes on wire (5440 bits), 680 bytes captured (5440 bits) on interface \Device\NPF_{65545352-1BA3-4FB9-BB3C-4A3C9BE2354E}, id 0						
Ethernet II, Src: IntelCor_b5:68:3c (c8:58:c0:b5:68:3c), Dst: 92:a7:22:ec:13:b0 (92:a7:22:ec:13:b0)						
Internet Protocol Version 4, Src: 192.168.213.57, Dst: 128.119.245.12						
Transmission Control Protocol, Src Port: 14772, Dst Port: 80, Seq: 1, Ack: 1, Len: 626						
Hypertext Transfer Protocol						
No.	Time	Source	Destination	Protocol	Length	Info
2014	25.159727	128.119.245.12	192.168.213.57	HTTP	544	HTTP/1.1 200 OK (text/html)
Frame 2014: 544 bytes on wire (4352 bits), 544 bytes captured (4352 bits) on interface \Device\NPF_{65545352-1BA3-4FB9-BB3C-4A3C9BE2354E}, id 0						
Ethernet II, Src: 92:a7:22:ec:13:b0 (92:a7:22:ec:13:b0), Dst: IntelCor_b5:68:3c (c8:58:c0:b5:68:3c)						
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.213.57						
Transmission Control Protocol, Src Port: 80, Dst Port: 14772, Seq: 1, Ack: 627, Len: 490						
Hypertext Transfer Protocol						
Line-based text data: text/html (6 lines)						

HTTP Authentication