

**МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ
НАВЧАЛЬНО-НАУКОВИЙ КОМПЛЕКС
«ІНСТИТУТ ПРИКЛАДНОГО СИСТЕМНОГО АНАЛІЗУ»
НАЦІОНАЛЬНОГО ТЕХНІЧНОГО УНІВЕРСИТЕТУ УКРАЇНИ
«КИЇВСЬКИЙ ПОЛІТЕХНІЧНИЙ ІНСТИТУТ»
КАФЕДРА МАТЕМАТИЧНИХ МЕТОДІВ СИСТЕМНОГО АНАЛІЗУ**

**Практична робота №2
з курсу «Комп'ютерні мережі»**

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Київ – 2020р.

Пакети для відповідей 1-7:

Frame 18: 465 bytes on wire (3720 bits), 465 bytes captured (3720 bits) on interface \Device\NPF_{8DA4A5E6-9AB6-4A5D-A575-E004502343C5}, id 0

Ethernet II, Src: IntelCor_e2:a5:5e (00:28:f8:e2:a5:5e), Dst: NetcoreT_0d:6e:0c (00:72:63:0d:6e:0c)

Internet Protocol Version 4, Src: 192.168.1.5, Dst: 128.119.245.12

Transmission Control Protocol, Src Port: 1210, Dst Port: 80, Seq: 1, Ack: 1, Len: 399

Hypertext Transfer Protocol

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

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

User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:76.0) Gecko/20100101 Firefox/76.0\r\n

Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=0.8\r\n

Accept-Language: ru-RU,ru;q=0.8,en-US;q=0.5,en;q=0.3\r\n

Accept-Encoding: gzip, deflate\r\n

Connection: keep-alive\r\n

Upgrade-Insecure-Requests: 1\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: 21]

Frame 21: 552 bytes on wire (4416 bits), 552 bytes captured (4416 bits) on interface \Device\NPF_{8DA4A5E6-9AB6-4A5D-A575-E004502343C5}, id 0

Ethernet II, Src: NetcoreT_0d:6e:0c (00:72:63:0d:6e:0c), Dst: IntelCor_e2:a5:5e (00:28:f8:e2:a5:5e)

Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.1.5

Transmission Control Protocol, Src Port: 80, Dst Port: 1210, Seq: 1, Ack: 400, Len: 486

Hypertext Transfer Protocol

HTTP/1.1 200 OK\r\n

Date: Fri, 22 May 2020 16:36:52 GMT\r\n

Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/5.4.16 mod_perl/2.0.11 Perl/v5.16.3\r\n

Last-Modified: Fri, 22 May 2020 05:59:03 GMT\r\n

ETag: "80-5a636538c67b2"\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: 0.210199000 seconds]

[Request in frame: 18]

[Request URI: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file1.html]

File Data: 128 bytes

Line-based text data: text/html (4 lines)

Frame 26: 346 bytes on wire (2768 bits), 346 bytes captured (2768 bits) on interface \Device\NPF_{8DA4A5E6-9AB6-4A5D-A575-E004502343C5}, id 0

Ethernet II, Src: IntelCor_e2:a5:5e (00:28:f8:e2:a5:5e), Dst: NetcoreT_0d:6e:0c (00:72:63:0d:6e:0c)

Internet Protocol Version 4, Src: 192.168.1.5, Dst: 128.119.245.12

Transmission Control Protocol, Src Port: 1211, Dst Port: 80, Seq: 1, Ack: 1, Len: 280

Hypertext Transfer Protocol

GET /favicon.ico HTTP/1.1\r\n

Host: gaia.cs.umass.edu\r\n
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:76.0) Gecko/20100101 Firefox/76.0\r\n
Accept: image/webp,*/*\r\n
Accept-Language: ru-RU,ru;q=0.8,en-US;q=0.5,en;q=0.3\r\n
Accept-Encoding: gzip, deflate\r\n
Connection: keep-alive\r\n
\r\n
[Full request URI: http://gaia.cs.umass.edu/favicon.ico]
[HTTP request 1/1]
[Response in frame: 31]

Frame 31: 551 bytes on wire (4408 bits), 551 bytes captured (4408 bits) on interface
\Device\NPF_{8DA4A5E6-9AB6-4A5D-A575-E004502343C5}, id 0
Ethernet II, Src: NetcoreT_0d:6e:0c (00:72:63:0d:6e:0c), Dst: IntelCor_e2:a5:5e (00:28:f8:e2:a5:5e)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.1.5
Transmission Control Protocol, Src Port: 80, Dst Port: 1211, Seq: 1, Ack: 281, Len: 485
Hypertext Transfer Protocol
HTTP/1.1 404 Not Found\r\n
Date: Fri, 22 May 2020 16:36:52 GMT\r\n
Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/5.4.16 mod_perl/2.0.11 Perl/v5.16.3\r\n
Content-Length: 209\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: 0.291077000 seconds]
[Request in frame: 26]
[Request URI: http://gaia.cs.umass.edu/favicon.ico]
File Data: 209 bytes
Line-based text data: text/html (7 lines)

Пакети для відповідей 8-11:

Frame 27: 576 bytes on wire (4608 bits), 576 bytes captured (4608 bits) on interface
\Device\NPF_{8DA4A5E6-9AB6-4A5D-A575-E004502343C5}, id 0
Ethernet II, Src: IntelCor_e2:a5:5e (00:28:f8:e2:a5:5e), Dst: NetcoreT_0d:6e:0c (00:72:63:0d:6e:0c)
Internet Protocol Version 4, Src: 192.168.1.5, Dst: 128.119.245.12
Transmission Control Protocol, Src Port: 30953, Dst Port: 80, Seq: 1, Ack: 1, Len: 510
Hypertext Transfer Protocol
GET /wireshark-labs/HTTP-wireshark-file1.html HTTP/1.1\r\n
Host: gaia.cs.umass.edu\r\n
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:76.0) Gecko/20100101 Firefox/76.0\r\n
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=0.8\r\n
Accept-Language: ru-RU,ru;q=0.8,en-US;q=0.5,en;q=0.3\r\n
Accept-Encoding: gzip, deflate\r\n
Connection: keep-alive\r\n
Upgrade-Insecure-Requests: 1\r\n
If-Modified-Since: Fri, 22 May 2020 05:59:03 GMT\r\n
If-None-Match: "80-5a636538c67b2"\r\n
Cache-Control: max-age=0\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]

Frame 31: 305 bytes on wire (2440 bits), 305 bytes captured (2440 bits) on interface
\Device\NPF_{8DA4A5E6-9AB6-4A5D-A575-E004502343C5}, id 0

Ethernet II, Src: NetcoreT_0d:6e:0c (00:72:63:0d:6e:0c), Dst: IntelCor_e2:a5:5e (00:28:f8:e2:a5:5e)

Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.1.5

Transmission Control Protocol, Src Port: 80, Dst Port: 30953, Seq: 1, Ack: 511, Len: 239

Hypertext Transfer Protocol

HTTP/1.1 304 Not Modified\r\n

Date: Fri, 22 May 2020 16:57:29 GMT\r\n

Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/5.4.16 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: "80-5a636538c67b2"\r\n

\r\n

[HTTP response 1/1]

[Time since request: 0.166955000 seconds]

[Request in frame: 27]

[Request URI: <http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file1.html>]

Пакети для відповідей 12-15:

Frame 3264: 285 bytes on wire (2280 bits), 285 bytes captured (2280 bits) on interface

\Device\NPF_{8DA4A5E6-9AB6-4A5D-A575-E004502343C5}, id 0

Ethernet II, Src: IntelCor_e2:a5:5e (00:28:f8:e2:a5:5e), Dst: NetcoreT_0d:6e:0c (00:72:63:0d:6e:0c)

Internet Protocol Version 4, Src: 192.168.1.5, Dst: 52.29.179.141

Transmission Control Protocol, Src Port: 31089, Dst Port: 80, Seq: 1, Ack: 1, Len: 231

Hypertext Transfer Protocol

GET

/safei18n/promoutil.htm?type=error&act=cloudsync&ecode=0&pver=8.6.0.1111&at=3&mid=3599a5672b518841e908748d1d9e41c3&ver=10.6.0.1210&lan=ru&os=10.0-x64&ch=101&sch=0 HTTP/1.1\r\n

Host: s.360safe.com\r\n

Accept: */*\r\n

Pragma: no-cache\r\n

\r\n

[Full request URI:

<http://s.360safe.com/safei18n/promoutil.htm?type=error&act=cloudsync&ecode=0&pver=8.6.0.1111&at=3&mid=3599a5672b518841e908748d1d9e41c3&ver=10.6.0.1210&lan=ru&os=10.0-x64&ch=101&sch=0>]

[HTTP request 1/1]

[Response in frame: 4029]

Frame 4029: 263 bytes on wire (2104 bits), 263 bytes captured (2104 bits) on interface

\Device\NPF_{8DA4A5E6-9AB6-4A5D-A575-E004502343C5}, id 0

Ethernet II, Src: NetcoreT_0d:6e:0c (00:72:63:0d:6e:0c), Dst: IntelCor_e2:a5:5e (00:28:f8:e2:a5:5e)

Internet Protocol Version 4, Src: 52.29.179.141, Dst: 192.168.1.5

Transmission Control Protocol, Src Port: 80, Dst Port: 31089, Seq: 1, Ack: 232, Len: 209

Hypertext Transfer Protocol

HTTP/1.1 200 OK\r\n

Server: nginx/1.0.12\r\n

Date: Fri, 22 May 2020 17:00:54 GMT\r\n
Content-Type: text/html\r\n
Content-Length: 0\r\n
Last-Modified: Fri, 25 May 2018 09:31:43 GMT\r\n
Connection: close\r\n
Accept-Ranges: bytes\r\n
\r\n
[HTTP response 1/1]
[Time since request: 1.883646000 seconds]
[Request in frame: 3264]
[Request URI:
http://s.360safe.com/safei18n/promoutil.htm?type=error&act=cloudsync&ecode=0&pver=8.6.0.1111&at=3&mid=3599a5672b518841e908748d1d9e41c3&ver=10.6.0.1210&lan=ru&os=10.0-x64&ch=101&sch=0]

Пакети для відповідей 16-17:

Frame 38: 465 bytes on wire (3720 bits), 465 bytes captured (3720 bits) on interface
\Device\NPF_{8DA4A5E6-9AB6-4A5D-A575-E004502343C5}, id 0
Ethernet II, Src: IntelCor_e2:a5:5e (00:28:f8:e2:a5:5e), Dst: NetcoreT_0d:6e:0c (00:72:63:0d:6e:0c)
Internet Protocol Version 4, Src: 192.168.1.5, Dst: 128.119.245.12
Transmission Control Protocol, Src Port: 30680, Dst Port: 80, Seq: 1, Ack: 1, Len: 399
Hypertext Transfer Protocol

GET /wireshark-labs/HTTP-wireshark-file4.html HTTP/1.1\r\n
Host: gaia.cs.umass.edu\r\n
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:76.0) Gecko/20100101 Firefox/76.0\r\n
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=0.8\r\n
Accept-Language: ru-RU,ru;q=0.8,en-US;q=0.5,en;q=0.3\r\n
Accept-Encoding: gzip, deflate\r\n
Connection: keep-alive\r\n
Upgrade-Insecure-Requests: 1\r\n
\r\n
[Full request URI: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file4.html]
[HTTP request 1/1]
[Response in frame: 42]

Frame 42: 1139 bytes on wire (9112 bits), 1139 bytes captured (9112 bits) on interface
\Device\NPF_{8DA4A5E6-9AB6-4A5D-A575-E004502343C5}, id 0
Ethernet II, Src: NetcoreT_0d:6e:0c (00:72:63:0d:6e:0c), Dst: IntelCor_e2:a5:5e (00:28:f8:e2:a5:5e)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.1.5
Transmission Control Protocol, Src Port: 80, Dst Port: 30680, Seq: 1, Ack: 400, Len: 1073
Hypertext Transfer Protocol

HTTP/1.1 200 OK\r\n
Date: Fri, 22 May 2020 16:40:58 GMT\r\n
Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/5.4.16 mod_perl/2.0.11 Perl/v5.16.3\r\n
Last-Modified: Fri, 22 May 2020 05:59:03 GMT\r\n
ETag: "2ca-5a636538b0c08"\r\n
Accept-Ranges: bytes\r\n
Content-Length: 714\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: 0.128912000 seconds]
[Request in frame: 38]
[Request URI: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file4.html]
File Data: 714 bytes

Line-based text data: text/html (17 lines)

Frame 48: 422 bytes on wire (3376 bits), 422 bytes captured (3376 bits) on interface
\Device\NPF_{8DA4A5E6-9AB6-4A5D-A575-E004502343C5}, id 0
Ethernet II, Src: IntelCor_e2:a5:5e (00:28:f8:e2:a5:5e), Dst: NetcoreT_0d:6e:0c (00:72:63:0d:6e:0c)
Internet Protocol Version 4, Src: 192.168.1.5, Dst: 128.119.245.12
Transmission Control Protocol, Src Port: 30681, Dst Port: 80, Seq: 1, Ack: 1, Len: 356

Hypertext Transfer Protocol

GET /pearson.png HTTP/1.1\r\n
Host: gaia.cs.umass.edu\r\n
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:76.0) Gecko/20100101 Firefox/76.0\r\n
Accept: image/webp,*/*\r\n
Accept-Language: ru-RU,ru;q=0.8,en-US;q=0.5,en;q=0.3\r\n
Accept-Encoding: gzip, deflate\r\n
Connection: keep-alive\r\n
Referer: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file4.html\r\n

\r\n
[Full request URI: http://gaia.cs.umass.edu/pearson.png]
[HTTP request 1/2]
[Response in frame: 57]
[Next request in frame: 62]

Frame 57: 782 bytes on wire (6256 bits), 782 bytes captured (6256 bits) on interface
\Device\NPF_{8DA4A5E6-9AB6-4A5D-A575-E004502343C5}, id 0
Ethernet II, Src: NetcoreT_0d:6e:0c (00:72:63:0d:6e:0c), Dst: IntelCor_e2:a5:5e (00:28:f8:e2:a5:5e)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.1.5
Transmission Control Protocol, Src Port: 80, Dst Port: 30681, Seq: 2897, Ack: 357, Len: 716
[3 Reassembled TCP Segments (3612 bytes): #55(1448), #56(1448), #57(716)]

Hypertext Transfer Protocol

HTTP/1.1 200 OK\r\n
Date: Fri, 22 May 2020 16:40:58 GMT\r\n
Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/5.4.16 mod_perl/2.0.11 Perl/v5.16.3\r\n
Last-Modified: Sat, 06 Aug 2016 10:08:14 GMT\r\n
ETag: "cc3-539645c7f1ee7"\r\n
Accept-Ranges: bytes\r\n
Content-Length: 3267\r\n
Keep-Alive: timeout=5, max=100\r\n
Connection: Keep-Alive\r\n
Content-Type: image/png\r\n

\r\n
[HTTP response 1/2]
[Time since request: 0.130188000 seconds]
[Request in frame: 48]
[Next request in frame: 62]
[Next response in frame: 78]
[Request URI: http://gaia.cs.umass.edu/pearson.png]

File Data: 3267 bytes

Portable Network Graphics

Frame 60: 436 bytes on wire (3488 bits), 436 bytes captured (3488 bits) on interface
\\Device\\NPF_{8DA4A5E6-9AB6-4A5D-A575-E004502343C5}, id 0

Ethernet II, Src: IntelCor_e2:a5:5e (00:28:f8:e2:a5:5e), Dst: NetcoreT_0d:6e:0c (00:72:63:0d:6e:0c)

Internet Protocol Version 4, Src: 192.168.1.5, Dst: 128.119.245.12

Transmission Control Protocol, Src Port: 30682, Dst Port: 80, Seq: 1, Ack: 1, Len: 370

Hypertext Transfer Protocol

GET ~/kurose/cover_5th_ed.jpg HTTP/1.1\r\n

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

User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:76.0) Gecko/20100101 Firefox/76.0\r\n

Accept: image/webp,*/*\r\n

Accept-Language: ru-RU,ru;q=0.8,en-US;q=0.5,en;q=0.3\r\n

Accept-Encoding: gzip, deflate\r\n

Connection: keep-alive\r\n

Referer: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file4.html\r\n

\r\n

[Full request URI: http://manic.cs.umass.edu/~kurose/cover_5th_ed.jpg]

[HTTP request 1/1]

[Response in frame: 152]

Frame 62: 346 bytes on wire (2768 bits), 346 bytes captured (2768 bits) on interface
\\Device\\NPF_{8DA4A5E6-9AB6-4A5D-A575-E004502343C5}, id 0

Ethernet II, Src: IntelCor_e2:a5:5e (00:28:f8:e2:a5:5e), Dst: NetcoreT_0d:6e:0c (00:72:63:0d:6e:0c)

Internet Protocol Version 4, Src: 192.168.1.5, Dst: 128.119.245.12

Transmission Control Protocol, Src Port: 30681, Dst Port: 80, Seq: 357, Ack: 3613, Len: 280

Hypertext Transfer Protocol

GET /favicon.ico HTTP/1.1\r\n

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

User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:76.0) Gecko/20100101 Firefox/76.0\r\n

Accept: image/webp,*/*\r\n

Accept-Language: ru-RU,ru;q=0.8,en-US;q=0.5,en;q=0.3\r\n

Accept-Encoding: gzip, deflate\r\n

Connection: keep-alive\r\n

\r\n

[Full request URI: http://gaia.cs.umass.edu/favicon.ico]

[HTTP request 2/2]

[Prev request in frame: 48]

[Response in frame: 78]

Frame 78: 550 bytes on wire (4400 bits), 550 bytes captured (4400 bits) on interface
\\Device\\NPF_{8DA4A5E6-9AB6-4A5D-A575-E004502343C5}, id 0

Ethernet II, Src: NetcoreT_0d:6e:0c (00:72:63:0d:6e:0c), Dst: IntelCor_e2:a5:5e (00:28:f8:e2:a5:5e)

Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.1.5

Transmission Control Protocol, Src Port: 80, Dst Port: 30681, Seq: 3613, Ack: 637, Len: 484

Hypertext Transfer Protocol

HTTP/1.1 404 Not Found\r\n

Date: Fri, 22 May 2020 16:40:59 GMT\r\n

Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/5.4.16 mod_perl/2.0.11 Perl/v5.16.3\r\n

Content-Length: 209\r\n

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

Connection: Keep-Alive\r\n

Content-Type: text/html; charset=iso-8859-1\r\n\r\n[HTTP response 2/2]
[Time since request: 0.124268000 seconds]
[Prev request in frame: 48]
[Prev response in frame: 57]
[Request in frame: 62]
[Request URI: http://gaia.cs.umass.edu/favicon.ico]
File Data: 209 bytes
Line-based text data: text/html (7 lines)

Frame 152: 1472 bytes on wire (11776 bits), 1472 bytes captured (11776 bits) on interface \Device\NPF_{8DA4A5E6-9AB6-4A5D-A575-E004502343C5}, id 0
Ethernet II, Src: NetcoreT_0d:6e:0c (00:72:63:0d:6e:0c), Dst: IntelCor_e2:a5:5e (00:28:f8:e2:a5:5e)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.1.5
Transmission Control Protocol, Src Port: 80, Dst Port: 30682, Seq: 99913, Ack: 371, Len: 1406
[70 Reassembled TCP Segments (101318 bytes): #65(1448), #66(1448), #67(1448), #68(1448), #70(1448), #71(1448), #72(1448), #73(1448), #74(1448), #75(1448), #80(1448), #81(1448), #82(1448), #83(1448), #85(1448), #86(1448), #87(1448), #88(1448)]
Hypertext Transfer Protocol
HTTP/1.1 200 OK\r\nDate: Fri, 22 May 2020 16:40:59 GMT\r\nServer: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/5.4.16 mod_perl/2.0.11 Perl/v5.16.3\r\nLast-Modified: Tue, 15 Sep 2009 18:23:27 GMT\r\nETag: "18a68-473a1e0e6e5c0"\r\nAccept-Ranges: bytes\r\nContent-Length: 100968\r\nKeep-Alive: timeout=5, max=100\r\nConnection: Keep-Alive\r\nContent-Type: image/jpeg\r\n\r\n[HTTP response 1/1]
[Time since request: 0.470571000 seconds]
[Request in frame: 60]
[Request URI: http://manic.cs.umass.edu/~kurose/cover_5th_ed.jpg]
File Data: 100968 bytes
JPEG File Interchange Format

Контрольні запитання:

1. Яку версію протоколу HTTP використовує ваш браузер (1.0 чи 1.1)? Яку версію протоколу використовує сервер?

Обидва використовують версію 1.1

2. Які мови (якщо вказано) браузер може прийняти від сервера?

Accept-Language : ru-RU,ru;q=0.8,en-US;q=0.5,en;q=0.3

3. Які IP-адреси вашого комп'ютера та цільового веб-сервера?

Комп'ютер: 192.168.1.5

Веб-сервер: 128.119.245.12

4. Який статусний код сервер повернув у відповіді вашому браузеру?

200

5. Коли на сервері в останній раз був модифікований файл, який запитується браузером?

Last-Modified: Fri, 22 May 2020 05:59:03 GMT

6. Скільки байт контенту повертається сервером?

128

7. Переглядаючи нерозібраний байтовий потік пакету, чи бачите ви деякі заголовки в потоці, які не відображаються у вікні деталей пакету? Якщо так, назвіть один з них.

Ні

8. Перевірте вміст першого запиту HTTP GET від вашого браузера до сервера. Чи є в ньому заголовок IF-MODIFIED-SINCE?

Ні

9. Перевірте вміст першої відповіді сервера. Чи повернув сервер вміст файлу безпосередньо у відповіді?

Так

10. Перевірте вміст другого запиту HTTP GET. Чи є в ньому заголовок IF-MODIFIED-SINCE? Якщо так, яке значення йому відповідає?

Так

11. Який код та опис статусу другої відповіді сервера? Чи повернув сервер вміст файлу безпосередньо у відповіді?

304 Not Modified

Ні

12. Скільки повідомлень HTTP GET було відправлено вашим браузером?

1

13. Скільки пакетів TCP було необхідно для доставки одної відповіді HTTP-сервера?

2

14. Який код та опис статусу був у відповіді сервера?

200

15. Чи зустрічаються у даних пакетів-продовжень протоколу TCP стрічки з кодом та описом статусу відповіді, або ж якісь заголовки протоколу HTTP?

Ні

16. Скільки запитів HTTP GET було відправлено вашим браузером? Якими були цільові IP-адреси запитів?

4

128.119.245.12

17. Чи можете ви встановити, чи були ресурси отримані паралельно чи послідовно? Яким чином?

Послідовно, за часом надходження.