**GET** тип запроса (получение ресурса) адрес откуда /wireshark-labs/HTTP-wireshark-file4.html версия протокола, код конца строки? HTTP/1.1\r\n [Expert Info (Chat/Sequence): GET /wireshark-labs/HTTP-wireshark-file4.html  $HTTP/1.1\r\n]$ Request Method: GET Request URI: /wireshark-labs/HTTP-wireshark-file4.html Request Version: HTTP/1.1 Host: gaia.cs.umass.edu\r\n тип соединения (постоянное) Connection: keep-alive\r\n макс время 0 сек, когда ресурс актуален? Cache-Control: max-age=0\r\n запрос хедера на безопасн соединение Upgrade-Insecure-Requests: 1\r\n характеристики ос компьютера, откуда User-Agent: Mozilla/5.0 (Windows NT был запрос, использ версия браузера 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/77.0.3865.120 Safari/537.36\r\n Accept: описание в каком формате будет прием text/html,application/xhtml+xml,application/x данных ml;q=0.9,image/webp,image/apng,\*/\*;q=0.8, application/signed-exchange;v=b3\r\n тип сжатия Accept-Encoding: gzip, deflate\r\n допустимые языки, в кот может вывод Accept-Language: информация uk-UA,uk;q=0.9,ru;q=0.8,en-US;q=0.7,en;q  $=0.6\r\n$ условный запрос, если Etag не соотв If-None-Match: "2ca-5953d25d1970b"\r\n представленному (не до конца поняла что это) вернет условный запрос со статусом 200 If-Modified-Since: Sat, 19 Oct 2019 если были изменения после указанной 05:59:03 GMT\r\n даты. если нет, вернет 304 \r\n [Full request URI: http://gaia.cs.umass.edu/wireshark-labs/HT TP-wireshark-file4.html] [HTTP request 1/1] [Response in frame: 86] **GFT** /wireshark-labs/HTTP-wireshark-file4.html

HTTP/1.1\r\n

 $HTTP/1.1\r\n]$ 

[Expert Info (Chat/Sequence): GET /wireshark-labs/HTTP-wireshark-file4.html

Request Method: GET

Request URI:

/wireshark-labs/HTTP-wireshark-file4.html

Request Version: HTTP/1.1
Host: gaia.cs.umass.edu\r\n
Connection: keep-alive\r\n
Pragma: no-cache\r\n

Cache-Control: no-cache\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/77.0.3865.120 Safari/537.36\r\n

Accept:

text/html,application/xhtml+xml,application/x ml;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:

uk-UA,uk;q=0.9,ru;q=0.8,en-US;q=0.7,en;q

=0.6\r\n

\r\n

[Full request URI:

http://gaia.cs.umass.edu/wireshark-labs/HT

TP-wireshark-file4.html]
[HTTP request 1/3]

[Response in frame: 751] [Next request in frame: 753] Указывает на необходимость отправить запрос на сервер для валидации ресурса перед

использованием закешированных

данных.

GET /~kurose/cover\_5th\_ed.jpg

HTTP/1.1\r\n

[Expert Info (Chat/Sequence): GET /~kurose/cover\_5th\_ed.jpg HTTP/1.1\r\n]

Request Method: GET

Request URI:

/~kurose/cover\_5th\_ed.jpg

Request Version: HTTP/1.1 Host: manic.cs.umass.edu\r\n Connection: keep-alive\r\n Pragma: no-cache\r\n

Cache-Control: no-cache\r\n

User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36

(KHTML, like Gecko)

Chrome/77.0.3865.120 Safari/537.36\r\n

передача изображения (видимо фон)

Accept: допустимые форматы для изобраения image/webp,image/apng,image/\*,\*/\*;q=0.8\r \n Referer: http://gaia.cs.umass.edu/wireshark-labs/HT TP-wireshark-file4.html\r\n Accept-Encoding: gzip, deflate\r\n Accept-Language: uk-UA,uk;q=0.9,ru;q=0.8,en-US;q=0.7,en;q  $=0.6\r\n$ \r\n [Full request URI: http://manic.cs.umass.edu/~kurose/cover\_5 th\_ed.jpg] [HTTP request 1/1] [Response in frame: 899] GET /pearson.png HTTP/1.1\r\n еще одна картинка, типа .png [Expert Info (Chat/Sequence): GET /pearson.png HTTP/1.1\r\n] Request Method: GET Request URI: /pearson.png Request Version: HTTP/1.1 Host: gaia.cs.umass.edu\r\n Connection: keep-alive\r\n Pragma: no-cache\r\n Cache-Control: no-cache\r\n User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/77.0.3865.120 Safari/537.36\r\n Accept: image/webp,image/apng,image/\*,\*/\*;q=0.8\r \n Referer: http://gaia.cs.umass.edu/wireshark-labs/HT TP-wireshark-file4.html\r\n Accept-Encoding: gzip, deflate\r\n Accept-Language: uk-UA,uk;q=0.9,ru;q=0.8,en-US;q=0.7,en;q  $=0.6\r\n$  $r\n$ [Full request URI: http://gaia.cs.umass.edu/pearson.png]

[HTTP request 2/3] [Prev request in frame: 733] [Response in frame: 781] [Next request in frame: 901] GET /favicon.ico HTTP/1.1\r\n фавикон [Expert Info (Chat/Sequence): GET /favicon.ico HTTP/1.1\r\n] Request Method: GET Request URI: /favicon.ico Request Version: HTTP/1.1 Host: gaia.cs.umass.edu\r\n Connection: keep-alive\r\n Pragma: no-cache\r\n Cache-Control: no-cache\r\n User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/77.0.3865.120 Safari/537.36\r\n Accept: image/webp,image/apng,image/\*,\*/\*;q=0.8\r \n Referer: http://gaia.cs.umass.edu/wireshark-labs/HT TP-wireshark-file4.html\r\n Accept-Encoding: gzip, deflate\r\n Accept-Language: uk-UA,uk;q=0.9,ru;q=0.8,en-US;q=0.7,en;q  $=0.6\r\n$ \r\n [Full request URI: http://gaia.cs.umass.edu/favicon.ico] [HTTP request 3/3] [Prev request in frame: 753] [Response in frame: 919] HTTP/1.1 404 Not Found\r\n [Expert Info (Chat/Sequence): HTTP/1.1 404 Not Found\r\n] Response Version: HTTP/1.1 Status Code: 404 [Status Code Description: Not Found]

Response Phrase: Not Found

Date: Sat, 19 Oct 2019 09:06:44 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

Content-Length: 209\r\n

Keep-Alive: timeout=5, max=98\r\n

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

\r\n

[HTTP response 3/3]

[Time since request: 0.249045000

seconds]

[Prev request in frame: 753] [Prev response in frame: 781]

[Request in frame: 901]

[Request URI:

http://gaia.cs.umass.edu/favicon.ico]

File Data: 209 bytes

информация о сервере

количество байт, пересылаемых в

**Entity-Body** 

фавикон не нашелся

HTTP/1.1 200 OK\r\n

[Expert Info (Chat/Sequence):

HTTP/1.1 200 OK\r\n]

Response Version: HTTP/1.1

Status Code: 200

[Status Code Description: OK]

Response Phrase: OK

Date: Sat, 19 Oct 2019 09:06:43 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: Tue, 15 Sep 2009

18:23:27 GMT\r\n

ETag: "18a68-473a1e0e6e5c0"\r\n

Accept-Ranges: bytes\r\n Content-Length: 100968\r\n

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

Connection: Keep-Alive\r\n
Content-Type: image/jpeg\r\n

 $r\n$ 

[HTTP response 1/1]

http заголовок ответа. идентификатор

для поточной версии

[Time since request: 0.752883000 seconds] [Request in frame: 785] [Request URI: http://manic.cs.umass.edu/~kurose/cover\_5 th\_ed.jpg] File Data: 100968 bytes JPEG File Interchange Format HTTP/1.1 200 OK\r\n успешній ответ на запрос [Expert Info (Chat/Sequence): HTTP/1.1 200 OK\r\n] Response Version: HTTP/1.1 Status Code: 200 [Status Code Description: OK] Response Phrase: OK Date: Sat, 19 Oct 2019 09:06:42 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: Sat, 06 Aug 2016 10:08:14 GMT\r\n ETag: "cc3-539645c7f1ee7"\r\n есть поддержка куки, ед измерения в Accept-Ranges: bytes\r\n байтах Content-Length: 3267\r\n Keep-Alive: timeout=5, max=99\r\n Connection: Keep-Alive\r\n Content-Type: image/png\r\n  $r\n$ [HTTP response 2/3] [Time since request: 0.263058000 seconds] [Prev request in frame: 733] [Prev response in frame: 751] [Request in frame: 753] [Next request in frame: 901] [Next response in frame: 919]

[Request URI:

Time

Destination

No.

File Data: 3267 bytes
Portable Network Graphics

http://gaia.cs.umass.edu/pearson.png]

Source

Protocol Length Info

785 20.254837 192.168.118.20 128.119.245.12 HTTP 538 GET /~kurose/cover\_5th\_ed.jpg HTTP/1.1 адреса откуда и куда идет запрос