

GET request

- HTTP version - 1.1
- URL - wireshark-labs/HTTP-wireshark-file4.html (our link)
- The Internet host - gaia.cs.umass.edu
- Particular connection - keep alive
- Cache-control implies that the content is considered stale (and must be re-fetched) immediately
- Information about user (what was used: browser, ect.): Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_0) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/77.0.3865.120 Safari/537.36
- Accept - shows a semicolon-separated list of Content-Type values.
- Accept-Encoding similar to Accept, but lists the Content-Encoding types which are acceptable in the response.
- Accept-Language - ru-RU, en-US
- If-None-Modified - used to verify that none of those entities is current by including a list of their associated entity tags in the If-None-Match header field.
- If-Modified-Since - if the requested variant has not been modified since the time (Sat, 19 Oct 2019 05:59:03) specified in this field, an entity will not be returned from the server

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No.      Time      Source      Destination      Protocol Length Info
409  30.364450  192.168.118.12  128.119.245.12  HTTP      664      GET /wireshark-labs/HTTP-wireshark-file4.html HTTP/1.1

Frame 409: 664 bytes on wire (5312 bits), 664 bytes captured (5312 bits) on interface 0
Ethernet II, Src: Apple_42:69:f6 (b8:e8:56:42:69:f6), Dst: AsustekC_67:19:61 (00:18:f3:67:19:61)
Internet Protocol Version 4, Src: 192.168.118.12, Dst: 128.119.245.12
Transmission Control Protocol, Src Port: 50918, Dst Port: 80, Seq: 1, Ack: 1, Len: 598
Hypertext Transfer Protocol
GET /wireshark-labs/HTTP-wireshark-file4.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 (Macintosh; Intel Mac OS X 10_15_0) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/77.0.3865.120 Safari/537.36\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\r\n
Accept-Encoding: gzip, deflate\r\n
Accept-Language: ru-RU,ru;q=0.9,en-US;q=0.8,en;q=0.7\r\n
If-None-Match: "2ca-5953d25d1970b"\r\n
If-Modified-Since: Sat, 19 Oct 2019 05:59:03 GMT\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: 417]
```

Not Modified shows that our request URL has not been modified since last requested.

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No.      Time      Source      Destination      Protocol Length Info
417  30.491192  128.119.245.12  192.168.118.12  HTTP      306      HTTP/1.1 304 Not Modified

Frame 417: 306 bytes on wire (2448 bits), 306 bytes captured (2448 bits) on interface 0
Ethernet II, Src: AsustekC_67:19:61 (00:18:f3:67:19:61), Dst: Apple_42:69:f6 (b8:e8:56:42:69:f6)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.118.12
Transmission Control Protocol, Src Port: 80, Dst Port: 50918, Seq: 1, Ack: 599, Len: 240
Hypertext Transfer Protocol
HTTP/1.1 304 Not Modified\r\n
Date: Sat, 19 Oct 2019 08:42:35 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
Connection: Keep-Alive\r\n
Keep-Alive: timeout=5, max=100\r\n
ETag: "2ca-5953d25d1970b"\r\n
\r\n
[HTTP response 1/1]
[Time since request: 0.126742000 seconds]
[Request in frame: 409]
[Request URI: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file4.html]
```