

HTTP Answers

Q1: Name of website

http://neverssl.com

Q2: First GET packet number

Frame **188** (GET / HTTP/1.1)

```
Transmission Control Protocol, Src Port: 58519, Dst Port: 80, Seq: 1, Ack: 1, Len: 457
Hypertext Transfer Protocol
  GET / HTTP/1.1\r\n
    Request Method: GET
    Request URI: /
    Request Version: HTTP/1.1
    Host: neverssl.com\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/139.0.0.0 Safari/537.36\r\n
    Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.7\r\n
    Accept-Encoding: gzip, deflate\r\n
    Accept-Language: en-GB,en-US;q=0.9,en;q=0.8,eo;q=0.7,ur;q=0.6\r\n
  \r\n
  [Language in frame: 204]
  [Full request URI: http://neverssl.com/]

0000 cc 32 e5 42 37 32 68 f2 62 db 6c 17 08 00 45 00 2 872" b 1 . E
0010 01 f1 68 59 40 00 80 00 00 00 e0 a8 00 68 22 df h9g . . . h*
0020 7c 2d e4 97 00 50 53 45 3a 0c e2 26 89 8c 50 18 l - PSE : . & . P
0030 ff ff 62 00 00 00 47 45 54 20 2f 20 48 54 54 50 b . GET / HTTP
0040 2f 31 2e 31 0d 0a 48 6f 73 74 3a 20 6e 65 76 65 /1.1: Host: neve
0050 72 73 73 6c 2e 63 6f 6d 0d 0a 43 6f 6e 6e 65 63 ss1.com Conne
0060 74 69 6f 6e 3a 20 6b 65 65 70 2d 61 6c 69 76 65 tion: ke ep-alive
0070 0d 0a 55 70 67 72 61 64 65 2d 49 6e 73 65 63 75 Upgrad e-Insecu
0080 72 65 2d 52 65 71 75 65 73 74 73 3a 20 31 0d 0a re-Request: 1.
0090 55 73 65 72 2d 41 67 65 6e 74 3a 20 4d 6f 7a 69 User-Age nt: Mozil
00a0 6c 6c 61 2f 35 2e 30 20 28 57 69 6e 64 6f 77 73 1la/5.0 (Windows
00b0 20 4e 54 20 31 30 2e 30 3b 20 57 69 6e 36 34 3b NT 10.0 ; Win64;
00c0 20 78 36 34 29 20 41 70 70 6c 65 57 65 62 4b 69 x64) Ap pleWebK
00d0 74 2f 35 33 37 2e 33 36 20 28 4b 48 54 4d 4c 2c /537.36 (KHTML,
00e0 20 6c 69 6b 65 20 47 65 63 6b 6f 29 20 43 68 72 like Ge cko) Chr
00f0 6f 6d 65 2f 31 33 39 2e 30 2e 30 2e 30 20 53 61 ome/139. 0.0.0 Sa
0100 66 61 72 69 2f 35 33 37 2e 33 36 0d 0a 41 63 63 farl/537 .36 Acc
```

Q3: Headers (with meaning)

- Host: neverssl.com → tells server which site you want
- Connection: keep-alive → request persistent connection
- Upgrade-Insecure-Requests: 1 → ask server to upgrade insecure requests
- User-Agent: Mozilla/5.0 (Windows NT 10.0; ...) → identifies browser/OS
- Accept: text/html,... → what formats client can accept
- Accept-Encoding: gzip, deflate → compression supported
- Accept-Language: en-GB, en-US,... → preferred languages

Q4: First server response code

Frame 204 → HTTP/1.1 200 OK

```
▼ Hypertext Transfer Protocol
  ▼ HTTP/1.1 200 OK\r\n
    Response Version: HTTP/1.1
    Status Code: 200
    [Status Code Description: OK]
    Response Phrase: OK
    Date: Sun, 28 Sep 2025 02:03:39 GMT\r\n
    Server: Apache/2.4.62 ( )\r\n
    Upgrade: h2,h2c\r\n
    Connection: Upgrade, Keep-Alive\r\n
    Last-Modified: Wed, 29 Jun 2022 00:23:33 GMT\r\n
    ETag: "f79-5e28b29d38e93-gzip"\r\n
    Accept-Ranges: bytes\r\n
    Vary: Accept-Encoding\r\n
    Content-Encoding: gzip\r\n
    Content-Length: 1900\r\n
    Keep-Alive: timeout=5, max=100\r\n
    Content-Type: text/html; charset=UTF-8\r\n
    \r\n
    [Request in frame: 188]
    [Time since request: 3.685987000 seconds]
    [Request URI: /]
    [Full request URI: http://neverssl.com/]
    Content-encoded entity body (gzip): 1900 bytes -> 3961 bytes
    File Data: 3961 bytes
  ▶ Line-based text data: text/html (131 lines)
```

Frame (887 bytes) Reassembled TCP (2273 bytes) Uncompressed entity body (3961 bytes)

Q5: Total responses

1 (verified by applying filter `http.response`)

Q6: Persistent or not?

Connection: keep-alive header shows it is persistent. Evidence: same TCP stream continues after first response.

```
Request Method: GET
Request URI: /
Request Version: HTTP/1.1
Host: neverssl.com\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
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/
Accept-Encoding: gzip, deflate\r\n
Accept-Language: en-GB,en-US;q=0.9,en;q=0.8,eo;q=0.7,ur;q=0.6\r\n
\r\n
```