

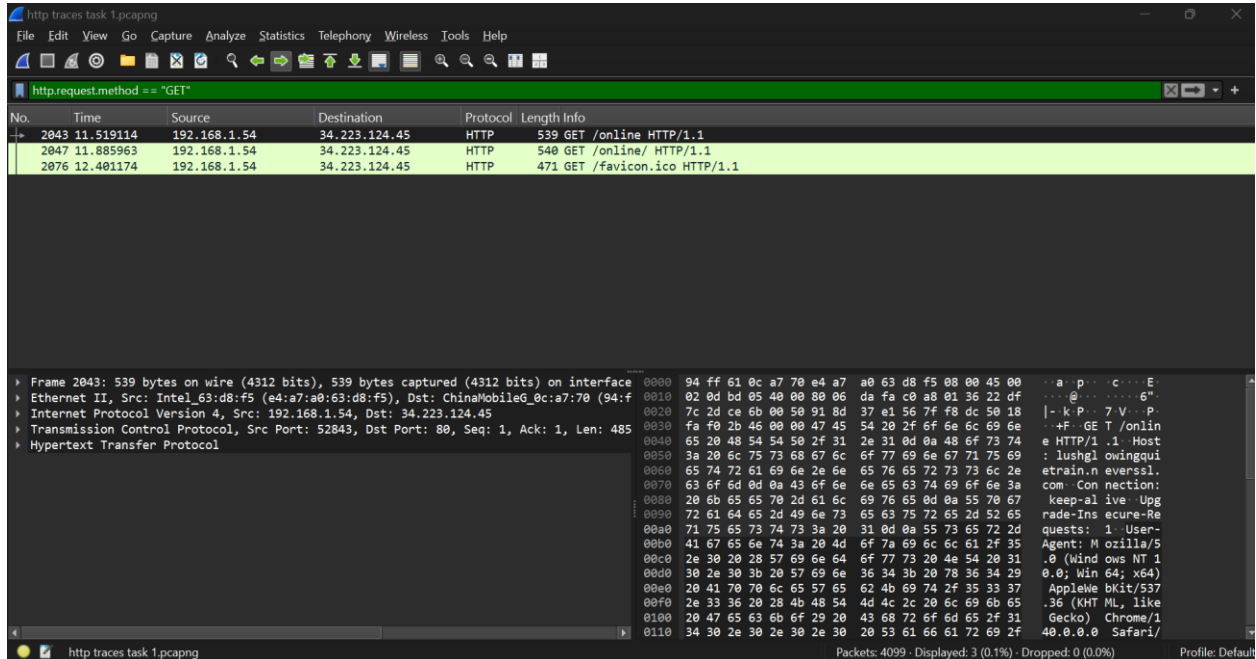
HTTP :

Task : 1

The website is: **neverssl.com**

Task : 2

`http.request.method == "GET"`



Task : 3

Host: lushglowingquietrain.neverssl.com

Connection: Keep-Alive

Content-Length: 256

Content-Type: text/html; charset=iso-8859-1

The request is a GET request for /online.

The HTTP version is HTTP/1.1.

The server is Apache/2.4.62.

The response to this request (as seen in packet 2873) indicates a "301 Moved Permanently" status.

Task : 4

http.response

The screenshot shows a Wireshark packet capture window titled "http.traces task 1.pcapng". The packet list pane on the left shows three packets:

No.	Time	Source	Destination	Protocol	Length	Info
2046	11.858721	34.223.124.45	192.168.1.54	HTTP	589	HTTP/1.1 301 Moved Permanently (text/html)
2073	12.187928	34.223.124.45	192.168.1.54	HTTP	1494	HTTP/1.1 200 OK (text/html)
2080	12.778355	34.223.124.45	192.168.1.54	HTTP	470	HTTP/1.1 200 OK (PNG)

The packet details pane for packet 2046 shows:

- Frame 2046: 589 bytes on wire (4712 bits), 589 bytes captured (4712 bits) on interface
- Ethernet II, Src: ChinaMobile_0c:a7:70 (94:ff:61:0c:a7:70), Dst: Intel_63:d8:f5 (e4:a7:70:63:d8:f5)
- Internet Protocol Version 4, Src: 34.223.124.45, Dst: 192.168.1.54
- Transmission Control Protocol, Src Port: 80, Dst Port: 52843, Seq: 1, Ack: 486, Len: 5
- Hypertext Transfer Protocol
- Line-based text data: text/html (7 lines)

The packet bytes pane shows the raw data of the HTTP response, including the status bar: "200 OK (text/html)".

Task : 5

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- Transmission Control Protocol, Src Port: 80, Dst Port: 52843, Seq: 1, Ack: 486, Len: 5
- Hypertext Transfer Protocol
- HTTP/1.1 301 Moved Permanently\r\n
- Date: Sat, 27 Sep 2025 05:18:52 GMT\r\n
- Server: Apache/2.4.62 ()\r\n
- Location: http://lushglowingquietrain.neverssl.com/online/\r\n
- Content-Length: 256\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
- [Request in frame: 2043]
- [Time since request: 0.339607000 seconds]

The packet bytes pane shows the raw data of the HTTP response, including the status bar: "200 OK (text/html)".

Here are 3 http response messages.

Task : 6

- In HTTP/1.1, connections are persistent by default (unless Connection: close is present).
- Evidence:
 - In your GET request header you will see: Connection: keep-alive.
 - Also, you may see multiple requests/responses in the same TCP stream (tcp.stream == X).
- Therefore: Yes, the connection is persistent.