We found out that we could use Wireshark to access another user's password and cookies if they signed in while the Wireshark was sniffing. This means that we can steal the user's account information, including cookies, if they sign in while we sniff using Wireshark.

However, this could only be done when the user logged in on the same machine while the Wireshark was searching.

```
Wireshark · Packet 81 · wireshark_en0_20180406094514_zbQcDl
              [2 Reassembled TCP Segments (1956 bytes): #80(1288), #81(668)]
            ▼ Hypertext Transfer Protocol
 Case
              ▶ GET /message/get HTTP/1.1\r\n
                 Host: chalbroker.cs1122.engineering.nyu.edu:5555\r\n
tion
17.12.
                 Connection: keep-alive\r\n
                 User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_12_6) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/65
6.10.
                 token: bf81eee8-39a0-11e8-8317-0242ac1100ae\r\n
17.12
                 Accept: */*\r\n
17.12.
                 Referer: http://chalbroker.cs1122.engineering.nyu.edu:5555/\r\n
6.10.1
                 Accept-Encoding: gzip, deflate\r\n
6.10.1
                 Accept-Language: ko-KR, ko; q=0.9, en-US; q=0.8, en; q=0.7 r
6.10.1
                  [truncated]Cookie: __utma=57748789.1287690260.1502799137.1507602932.1507650729.27; __utmc=57748789; __utmz=
6.10.1
                 \r\n
17.12.
17.12.
                 [Full request URI: http://chalbroker.cs1122.engineering.nyu.edu:5555/message/get]
                  [HTTP request 1/1]
65.2.3
                 [Response in frame: 136]
6.10.
.65.2.3
                  2f 0d 0a 41 63 63 65 70
6e 67 3a 20 67 7a 69 70
65 0d 0a 41 63 63 65 70
                                                 74 2d 45 6e 63 6f 64 69
2c 20 64 65 66 6c 61 74
74 2d 4c 61 6e 67 75 61
            0160
                                                                                 /..Accep t-Encodi
.65.2.3
                                                                                ng: gzip , deflat
e..Accep t-Langua
.65.2.3
           0180
6.10.
           0190
01a0
                   67 65 3a 20 6b 6f 2d 4b
2e 39 2c 65 6e 2d 55 53
                                                 52 2c 6b 6f 3b 71 3d 30
3b 71 3d 30 2e 38 2c 65
                                                                                 ge: ko-K R,ko;q=0
                                                                                 .9,en-US ;q=0.8,e
6.10.1
            01b0
                  6e 3b 71 3d 30 2e 37 0d
20 5f 5f 75 74 6d 61 3d
                                                 0a 43 6f 6f 6b 69 65 3a
35 37 37 34 38 37 38 39
                                                                                n;q=0.7. .Cookie:
__utma= 57748789
.189.
6.10.
                                                                                 .1287690 260.1502
           01d0
                  2e 31 32 38 37 36 39 30
                                                 32 36 30 2e 31 35 30 32
                                                 35 30 37 36 30 32 39 33
30 37 32 39 2e 32 37 3b
.189.1
                  37 39 39 31 33 37
17.12
                  32 2e 31 35 30 37 36 35
           01f0
                                                                                 2.150765 0729.27:
                                                 35 37 37 34 38 37 38 39
17.12.
```

i chalbroker.cs1122.engineering.nyu.edu:5555/message/get