1- Single DNS Query is made to find ip address

Destination IP is 178.233.140.110

Transaction Id is 0x9ee8

2 -

No.43 / Time : 2.255611

No.78 / Time : 2.626079

No.81 / Time : 2.634442

No.84 / Time : 2.638288

No.90 / Time : 2.641634

3-

User Agent : Mozilla/5.0 (Macintosh; Intel Mac OS X 10\_14\_5) AppleWebKit/605.1.15 (KHTML, like Gecko) Version/12.1.1 Safari/605.1.15

Accepted Languages : en-us

4 - Yes a cookie was sent to server. It was,

\_APP\_LOCALE=EN

5 - Any request and response packet can be tracked and paired since they belong on the same tcp stream index ( in Wireshark tcp.stream eq X command can be used to filter out such packets)

6- In safari 6 parallel connections are utilized for faster site loading.

Between time 2.507547 and 2.519014 we observe that 6 new tcp sockets are opened for ports starting from 50888 to 50893.

Bonus Question:

Username = Palpatine

Password = Order66

URI of the accessed zip is : <http://hbostann.com/supersecret.zip>

String inside reads as : ceng435{This-is-why-https-is-important}