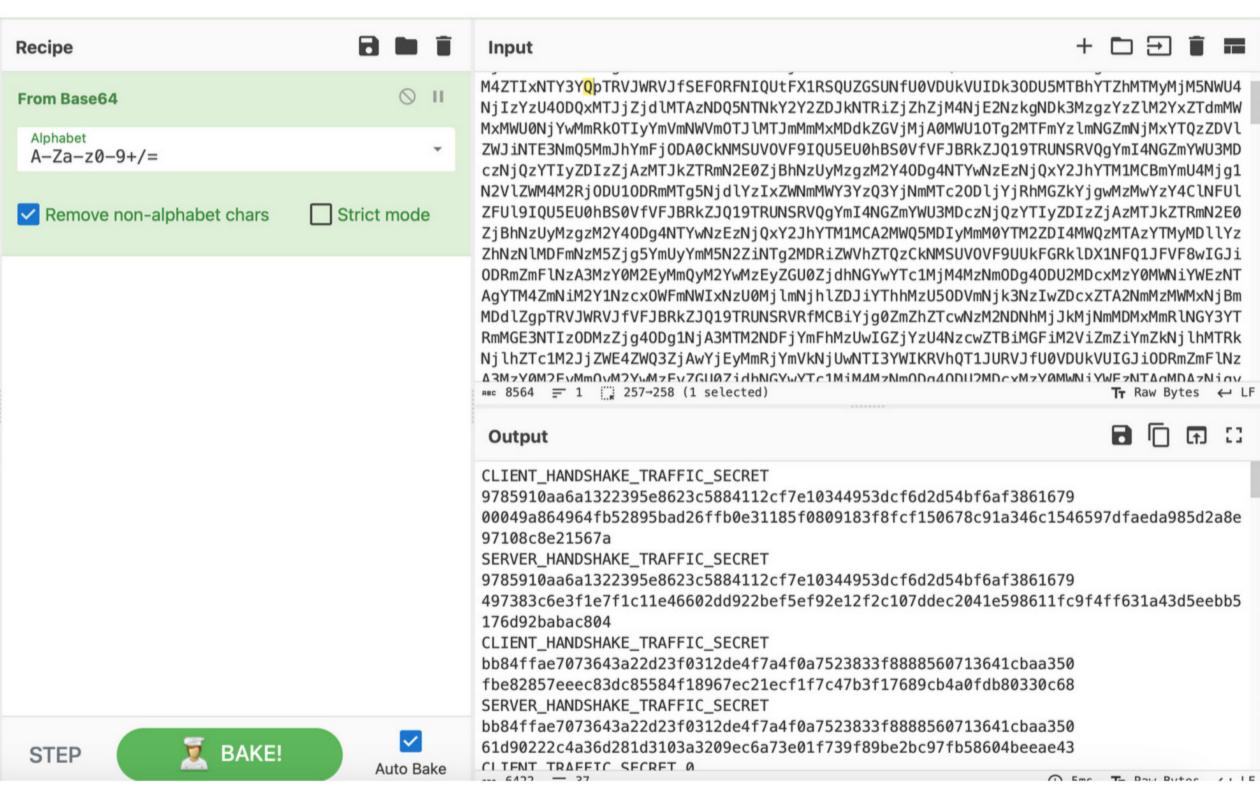


I copied the msg and then use cyberchef to decode it

Show data as ASCII

<mark>client</mark> pkts, 0 <mark>server</mark> pkts, 0 turns.

Entire conversation (8564 bytes)



U3YmYyNzY20GZhY2IwYmI3MWQy0GJkZTg5ZDIwNTkwZTRiYzdj0DE1NWNm0DdkMzMzYiAzNDg4NTc1MTUxNGEzZjhjMzIyY2E2YTQwNmU00TRm0WIyYWVj0GRlYmI2NzE40TFlNjUyZDcx0Tc0NjQ0MGViCkNMSUV0VF9IQU5EU0h VfVFJBRKZJQ19TRUNSRVQgNzJhNzgwMjNj0GJm0DZhZGExMGY2NWE0MzA5YzdiYjkxZTE0ZmM5NGJkNWU0NjQzYmM50DI4NGQ0Mzc1ZmJhZSBi0WIxZjQ0Y2RlY2Q3NGQyYzE1NGQxMThhYjkyZWQ4NmM2NGYzZGQzZmVl0DEyNW M1YzEwY2Q1YzAyZTU0NzRȟMDJmN2ĴlMmZĺNWM5MTUxZjc1NTQwNzQwYmU3NjgKUÓVSVkVSX0hBTkRTSEFLRV9UUkFGRklDX1NFQ1JFVCA3MmE30DAyM2M4YmY4NmFkYTEwZjY1YTQzMDljN2JíOTFlMTRmYzk0YmQ1ZTQ2NDNÍYz g0ZDQzNzVmYmFlIGI2MzcyODg4NGViM2E0ZTg50GRiZmFjZmNkMmE0NjcyMDUzOTczM2RlNjllZTU0YTczM2QzOWJjZDY2NTI3MjIzMmE5YmE4N2Q3YmQ2OWZjOTRjMTUxODE3NzQ4NGJjMwpDTElFTlRfVFJBRkZJQ19TRUNSRVF Ä3MmE30DAyM2M4YmY4NmFkYTEwZjY1YTQzMDljN2Ji0TFlMTRmYzk0YmQ1ZTQ2NDNiYzk4Mjg0ZDQzNzVmYmFlIDg3ZDE5NzczYWMzM2MyMzE5NzY5ZDJkMGQyZGZjMTU1NzRiNTAwZWUzNWNhNzNhMGNkZTlmZTMz0WNm0GQ3ZDI RhYTZlOWEyMmFjNWVhZThlYmZkZWFiZDliMmNhMQpTRVJWRVJfVFJBRkZJQ19TRUNSRVRfMCA3MmE30DAyM2M4YmY4NmFkYTEwZjY1YTQzMDljN2Ji0TFlMTRmYzk0YmQ1ZTQ2NDNiYzk4Mjg0ZDQzNzVmYmFlIGJm0DU1N2E4YW IZODUZZDg3NDM5OTk5ZGVhMGY2OGE3NjZkNTkyOTU3M2VmOTJlZjNiMTUxMjk1N2UzY2ZjMjc2NjNiYjUyODcyMzk5OTBjYzllYjcyMGYzNTQ3YwpFWFBPUlRFUl9TRUNSRVQgNzJhNzgwMjNjOGJmODZhZGExMGY2NWE0MzA5Yzo XJRUSUX0hBTKRTSEFLRV9UUKFGRKlDX1NFQ1JFVCBhODc1MjI5ZDA5NzE2NDc5ZDY4ZmZjYWVlOTY1YmM1ZmJjZDK5ZWRKOWQ2NjVjNmIxNWY5MGNjZGIzZTc5N2MzIDkwMTJjNjI0MDcxZDcwMzA3MmJmMTJKYjZlMjE2ZmNiNDZ /VhYWNkZjVkNTM4YjhjNTEyNTg3OTM4OTUyMDU4M2UwY2ZmYjNhMjBiZjY1NzdhYjZhYWZiZjY4MDdhYgpTRVJWRVJfSEFORFNIQUtFX1RSQUZGSUNfU0VDUkVUIGE4NzUyMjlkMDk3MTY0NzlkNjhmZmNhZWU5NjViYzVmYmNkOTl  $95ZDY2NWM2Y1E1Z1KWY2NKY1NNZK3YZMgMZhmZmE3ZWQ4MmU5MZUYNGI0N1h10TAxMWMZ0TZhMGN10Tc5MDFkM2Nm0DE0NWF\MmM2YWNmN1IxY2Y4MWZ1NDVhN1E4YZN1ZDI5Y2M5Y1E1YZZ1ZTE2MZNKMmQ2MDMZCKNMSUV0VF$ KFGRKlDX1NFQ1JFVF8wIGE4NzUyMjlkMDk3MTY0NzlkNjhmZmNhZWU5NjViYzVmYmNk0TllZGQ5ZDY2NWM2YjE1ZjkwY2NkYjNlNzk3YzMgZWM3YzdlZjQ4MWMzZWYw0GNlM2RkYWYxZDRmYWI2NWEw0Tc2NzI2NDlkYWMwMDBiMTI Dc1ZDk1YTIwNDg0NzE10WNiNDk5YWE10WY1ZmI2ZGVmNTZiNDg3M2VkZWY0ClNFUlZFUl9UUkFGRklDX1NFQ1JFVF8wIGE4NzUyMjlkMDk3MTY0NzlkNjhmZmNhZWU5NjViYzVmYmNkOTllZGQ5ZDY2NWM2YjE1ZjkwY2NkYjNlNzk MgZTAyM2IwY2E4MjFjY2JkNjZmMjE3MTE2MmJiYwNjZjRjMDdkODQwMjc2NjlhOTMyMTkzZDVjOTllOGM2Y2RhMzg3M2RmZGFjOTIxZDg2ZjRiZDMwNmIxYjRkM2UxYjE0CkVYUE9SVEVSX1NFQ1JFVCBhODc1MjI5ZDA5NzE2NDo DYÁZMZÍYWVlOTY1YMMÍZMJJZĎk5ZWRkOWQ2NjVjNmI×NWYŚMGNJZGIZŤc5NŹMZIGRÍYMNMYMEÍMThlYTRJOWU3ZJĞ4ZJG5ODU×MTJlNGÏYZŤlmZmFhMDUwOŤNhMGVkOĞQYODU3NmVkNGM0MDk0YjIzYWE4N2QwYŤdjYzdhYzgyNTI TU5ZjJhOWU4Y2I3YgpDTElFTlRfSEFORFNIQUtFX1RSQUZGSUNfU0VDUkVUIGZMNTM0ZjFjODgwMzQ3MDcwNmViNjkyYmQwNDEyMjMxMTc5M2UwMDhiYzIyMTFhY2FlMzQzZTkxZTIyZmY1ZTcgZmE1NjBkNjA0YTU4ZTc2M2QwYzF DYØYTdhN2M2Y2NjZjdhMTk2NzgyNWFhZTgzNjY3MDc2NzgyYTVmMjYzNTdlNDgxOTM3NjY2YzcxNzE5MDhiYjY2MjJkMTg3NTRiClNFUlZFUl9IQU5EUØhBSØVfVFJBRkZJQ19TRUNSRVQgZmY1MzRmMwM40DAzNDcwNzA2ZwI2OTJ DAØMTIYMZEXNZKZZŤAWOGJjMjÍXMWFjYWUZNDNlOTFlMjJmZjVlNyBiZjNhMGQ5NZRhYZAZNZZiMWMZMTFhOGEXOTZKZDQ5YTU4N2RKZTJiMmNhYZE5NmE5NjdkOWY1ZDKZMZRhNWQwNDJjNjQwMmYXODM2ZTM3MDg4OWJmNDBhNW JKYjKKQ0xJRU5UX1RSQUZGSUNfU0VDUKVUXzAgZmY1MzRmMWM40DAzNDcwNzA2ZWI2OTJiZDA0MTIyMzExNzkzZTAwOGJjMjIxMWFjYWUzNDNlOTFlMjJmZjVlNyA2MjIyNTUzMDlkNjc10GI10WY3NGFkNjY30WY1ZDRmNzg1NzZ jMyMjU3YThhNTBjMjA5ZWZjZmFm0DVlZGQ3ZmZmNDQyNjZlMGUxNjI40WRmZDgxMjI5NmM5MjFjMTgKU0VSVkVSX1RSQUZGSUNfU0VDUkVUXzAgZmY1MzRmMWM40DAzNDcwNzA2ZWI2OTJiZDA0MTIyMzExNzkzZTAw0GJjMjIxMWF WUzNDNlOTFlMjJmZjVlNyA2MDkyMDI1MDVmNmFkNGE00WQ3MGYwYjg1MmNiYWRkZTQyZDIyMGVh0GZhMzZiNzljNTFjYmQ0YTVj0TQ4ZDJmYmQ2YWM50TQ4MTE2NTc2MTdl0GQwZjZkNGRhM2NmMDcKRVhQT1JURVJfU0VDUkVUIGZ TM0ZjFj0DgwMzQ3MDcwNmViNjkyYmQwNDEyMjMxMTc5M2UwMDhiYzIyMTFhY2F\MzQzZTkxZTIyZmY1ZTcgZmQ00DY1NjZkOTAyMjFkZDZj0Dc4ZTM10DEwMTYwM2Q1MDZiMmFiZDBhYjBiMzM1MTM40Dd\NjBkY2UyMTF\ZjM4MDU TFiOGY4ODU4YTIzZDc3YWY4MmE3MDc5MTEyCkNMSUVOVF9IQU5EU0hBS0VfVFJBRkZJQ19TRUNŚRVQgNjU4MWFmOWYzOGU3NjBhNjIyNDcxZWZjOTQzMmZhZjBjM2ZmZTNiZTBmOWIxYTU1NDUzYzkwNThhM2Q2MzVhZSA1NWQzNjV VKYWRKOTFiMDAxMzgwODdlNGZKOTgzOWJiZGVjYTE1ZTU3MzU0N2RiMThiODI5NmE3MjRkNGM5Nzc5M2EyZjY1NThlMjk10GE0OTdiNTc40GRlMzhhOGUKU0VSVkVSX0hBTkRTSEFLRV9UUkFGRklDX1NFQ1JFVCA2NTgxYWY5ZjM c2MGE2MjI0NzFlZmM5NDMyZmFmMGMzZmZlM2JlMGY5YjFhNTU0NTNj0TA10GEzZDYzNWFlIGVmNGNhNTYzNWJhMGQ10DJk0TA2ZTU2M2EzYzQzYzM2ZjA5MTU5N2Ji0DQw0WIzYmUwZGRh0TUw0TQwZmMyZDli0WE30GJhZGEz0WI DVhNjI2MTdhYzk0NjJlNjRhZgpDTElFTlRfVFJBRkZJQ19TRUNSRVRfMCA2NTgxYWY5ZjM4ZTc2MGE2MjI0NzFlZmM5NDMyZmFmMGMzZMZJLMGY5YjFhNTU0NTNj0TA10GEzZDYzNWFlIDQxYjlhNGMwZWVhZjAzMDcwZmU1MjBi

This is a SSLKEYLOGFILE, this file will be useful to decrypt TLS / SSL traffic in Wireshark. First, save this file and then import it in wireshark

```
Transport Layer Security
RSA keys list
                 Edit...
TLS debug file
                                                      Browse...
Reassemble TLS records spanning multiple TCP segments
Reassemble TLS Application Data spanning multiple TLS records
  Message Authentication Code (MAC), ignore "mac failed"
Pre-Shared Key
(Pre)-Master-Secret log filename
   Downloads/sslkeylogfile
                                                      Browse...
```

```
And you can get the flag by checking one of the HTTP request
 GET / HTTP/1.1
 Host: cryptonite2.com
 Connection: keep-alive
 sec-ch-ua: "Not_A Brand"; v="8", "Chromium"; v="120"
 sec-ch-ua-mobile: ?0
 sec-ch-ua-platform: "Linux"
 Upgrade-Insecure-Requests: 1
 User-Agent: Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chro
 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,ima
 Sec-Fetch-Site: none
 Sec-Fetch-Mode: navigate
 Sec-Fetch-User: ?1
 Sec-Fetch-Dest: document
 Accept-Encoding: gzip, deflate, br
 Accept-Language: en-US,en;q=0.9
 HTTP/1.1 200 OK
 Date: Sun, 17 Dec 2023 04:42:48 GMT
 Server: Apache/2.4.58 (Debian)
  Last-Modified: Thu, 14 Dec 2023 09:14:36 GMT
 ETag: "154-60c74b66a9d1a-gzip"
 Accept-Ranges: bytes
 Vary: Accept-Encoding
 Content-Encoding: gzip
 Content-Length: 254
 Keep-Alive: timeout=5, max=100
 Connection: Keep-Alive
 Content-Type: text/html
 <!DOCTYPE html>
 <html lang="en">
 <head>
     <meta charset="UTF-8">
     <meta name="viewport" content="width=device-width, initial-scale=1.0">
     <title>CTF Challenge</title>
 </head>
 <body>
     <h1>Welcome to the CTF Challenge!</h1>
     <!-- Flag is visible at all times -->
     NITE{FLWAEDSSL123}
 </body>
 </html>
```

Q