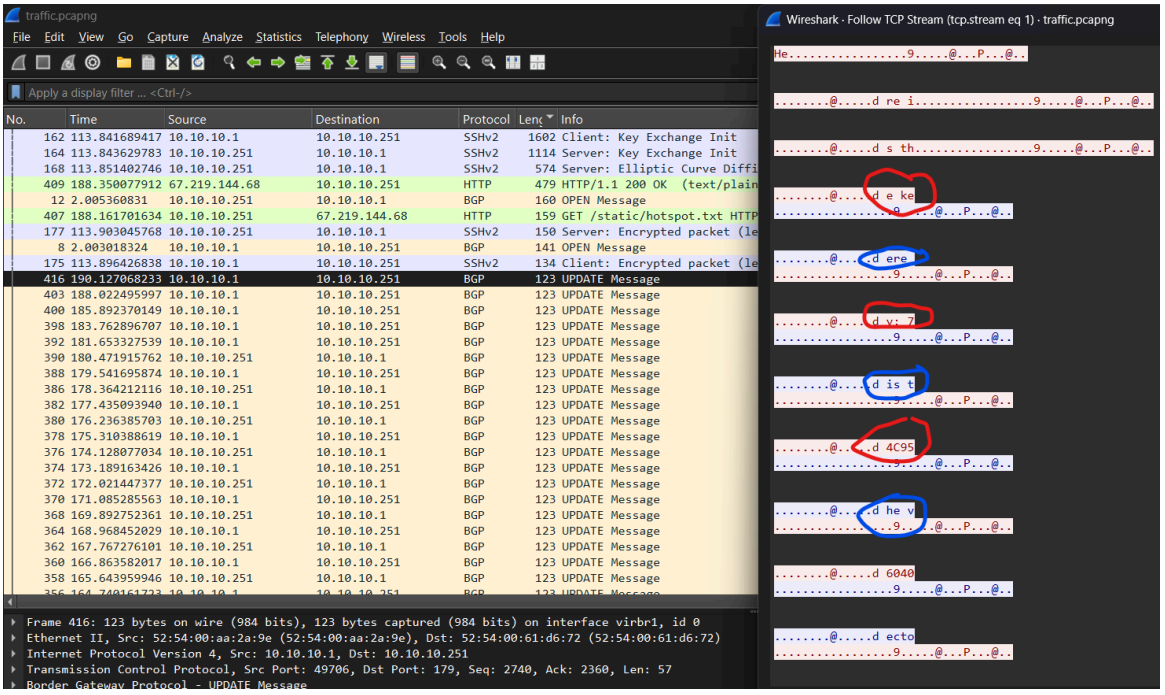
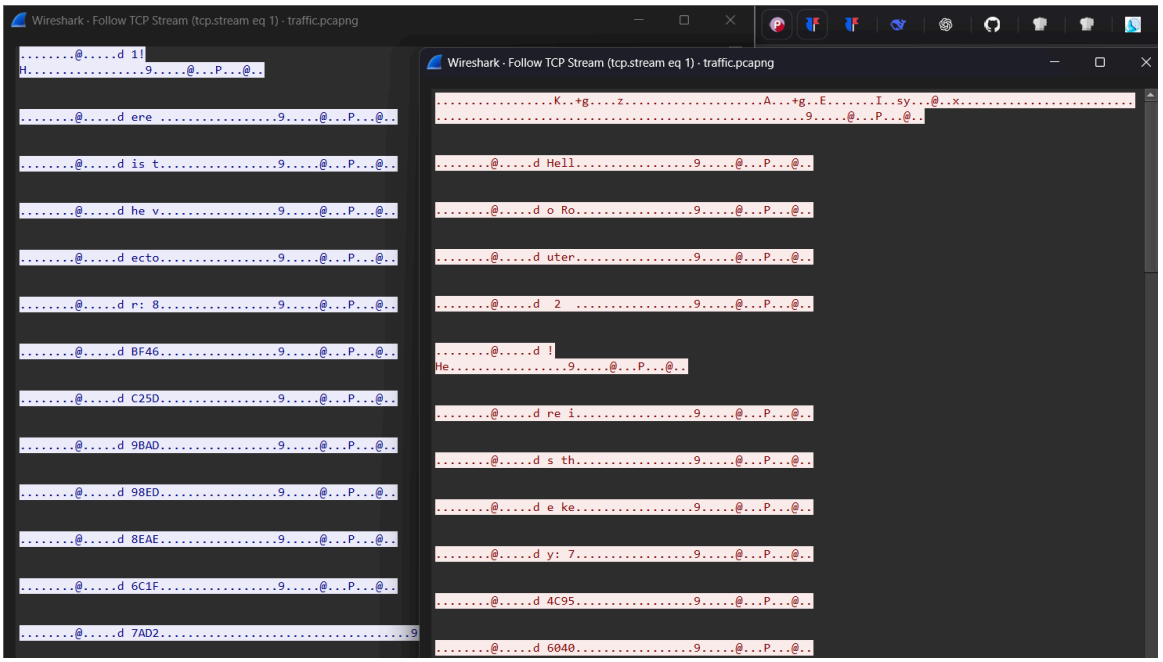
I filtered the packets by **length**, and in **tcp.stream eq 1** I found this hint :



There is a hidden message in **tcp.stream eq 1.** I filtered the packets for each client. There were 2 messages :



I copied them manually and I got the following encrypted data :

vector = 8BF46C25D9BAD98ED8EAE6C1F7AD2D04
key = 74C95604043427F0BEE1D0E16BFA53AFD537F736AD0073C4CC4E1CCB3A82B5DC
secret1 = uWyYTCYqBTy9afl69to3eK0ScCA3SlPDEzBsWBnR9D8Ro7alOqihGMPXwu/Z+HLn
secret2 = KQ6R50gkQLYCkY90ylBDHDznHRUyMaTijWmHO30UXjwftOMlGgZJhKh2xli7Sqln

This is an AES CBC. Run the following script to decrypt the flag :

```
from Crypto.Cipher import AES
from Crypto.Util.Padding import unpad
import base64

def aes_cbc_decrypt(ciphertext, key, iv):
    cipher = AES.new(key, AES.MODE_CBC, iv)
    plaintext = cipher.decrypt(ciphertext)
    return unpad(plaintext, AES.block_size)

def try_decrypt_flag(ciphertext, key, iv) :
    try:
        pt = aes_cbc_decrypt(ciphertext, key, iv)
        print(pt.decode(errors="ignore"))
    except Exception as e:
        print("error : ", e)

def main() :
    key_hex =
"74C95604043427F0BEE1D0E16BFA53AFD537F736AD0073C4CC4E1CCB3A82B5DC"
    iv_hex = "8BF46C25D9BAD98ED8EAE6C1F7AD2D04"
    secret1_b64 =
"uWyYTCYqBTy9afI69to3eK0ScCA3SlPDEzBsWBnR9D8Ro7aIOqihGMPXwu/Z+HLn"
    secret2_b64 =
"KQ6R50gkQLYCkY90yIBDHDznHRUyMaTijWmHO30UXjwftOMIGgZJhKh2xli7Sqln"

    key = bytes.fromhex(key_hex)
    iv = bytes.fromhex(iv_hex)
    ciphertext1 = base64.b64decode(secret1_b64)
    ciphertext2 = base64.b64decode(secret2_b64)

    try_decrypt_flag(ciphertext2, key, iv)
    try_decrypt_flag(ciphertext1, key, iv)

if __name__ == "__main__" :
    main()
```

THE FLAG :
CTF{25B24F21A9B698C026A7FF6D911B252414260C11A4A7F46DD6885C9BAA0A5386}
~Z4que