

So, we got a key. And the key does not open the locked box. So now what?

Well, let's try to analyze the key from a few perspectives. I loaded the file in Cyberchef and decided to view them in hex.

```
00 01 01 02 03 05 08 0d 15 22 37 59 90 e9 01 79 02 62 03 db 06 3d 0a 18 10 55 1a 6d
```

Fibonacci?

Using the key and the password "fibonacci" opens the box. The first flag is the password for the first flag.

For the 2nd flag: we have an encrypted file which looks like a salted aes, a 10 character password, and 2 hex strings, one with 24 characters and one with 16. And the username is aes-256-cbc.

I tried various command in openssl using the info I have, even trying to download an older version and using that. As a result, no matter how much I dislike it, I have to mark this challenge as **IMPOSSIBLE**.

You can find the 2nd flag here <https://hofill.me/writeup/crypto-easy>.

Made with love by: AndreiCat