NeverLAN CTF

Crypto: It is like an onion secrets

Value: 300 pts

Difficulty: Hard

Description: This one has layer like an onion. Just don't let it make you cry...

Your flag won't be in the normal flag{flagGoesHere} syntax.

Attachment : Much_Confused.png

Solution:

Downloading and opening the attachment «Much_Confused.png» and we see this picture.



First we need to install zsteg tool, with the command bellow:

gem install zsteg

Running the tools agains the picture and we got this result.

It look like a base64.

```
rootakali:~/Téléchargements# echo 'Q214emNIWWdkM2RoZENCcmJDQnliR3AyZW1aamFXZG5kbTVqYkhwMkNteHpj5FlnZDN
kaGRDQnJiQ0J5YkdwMmVtWmphV2RuZG01amJIcDJDbXh6Y0hZZ2QzZGhkQ0JyYkNCeWJHcDJlbVpqYVdkbmRtNWpiSHAyQ214emNIW
WdkM2RoZENCcmJDQnliR3AyZW1aamFXZG5kbTVqYkhwMkNteHpj5FlnZDNkaGRDQnJiQ0J5YkdwMmVtWmphV2Ru' | base64 -d
CmxzcHYgd3dhdCBrbCBybGp2emZjaWdndm5jbHp2CmxzcHYgd3dhdCBrbCBybGp2emZjaWdndm5jbHp2CmxzcHYgd3dhdCBrbCBybG
p2emZjaWdndm5jbHp2CmxzcHYgd3dhdCBrbCBybGp2emZjaWdndm5jbHp2CmxzcHYgd3dhdCBrbCBybGp2emZjaWdn
**Rootakali:~/
```

Decoding it, we got another cipher who look like base64 let's try to decode again.

```
root@kali:~/Téléchargements# echo 'CmxzcHYgd3dhdCBrbCBybGp2emZjaWdndm5jbHp2CmxzcHYgd3dhdCBrbCBybGp2emZ
jaWdndm5jbHp2CmxzcHYgd3dhdCBrbCBybGp2emZjaWdndm5jbHp2CmxzcHYgd3dhdCBrbCBybGp2emZjaWdndm5jbHp2CmxzcHYgd
3dhdCBrbCBybGp2emZjaWdn' | base64 -d

lspv wwat kl rljvzfciggvnclzv
lspv wwat kl rljvzfciggvnclzv
lspv wwat kl rljvzfciggvnclzv
lspv wwat kl rljvzfciggvnclzv
```

And another cipher, it look like Vigenere cipher.

Source: https://www.dcode.fr/vigenere-cipher

Trying to decode it didnt worked so far, so i tried to guess a key/password and chose the name of the ctf «NEVERLANCTF» and press on decrypt.



Flag: myfavoritecipher