BUUCTF：二维码

原创

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分类专栏： CTF_MISC_Writeup 文章标签： BUUCTF：二维码

本文链接：https://blog.csdn.net/mochu7777777/article/details/107682205

题目地址：https://buuoj.cn/challenges#%E4%BA%8C%E7%BB%B4%E7%A0%81

下载下来是一个压缩包，解压得到一张二维码

```
已解码数据 1:
----------------------------------------------------------------
位置:(10.3,10.3)-(268.4,10.3)-(10.3,268.4)-(268.7,268.7)
颜色正常, 正像
版本: 2
纠错等级:H, 掩码:7
内容:
secret is here
----------------------------------------------------------------
```


`binwalk`分析，很明显藏了一个压缩包在图片中

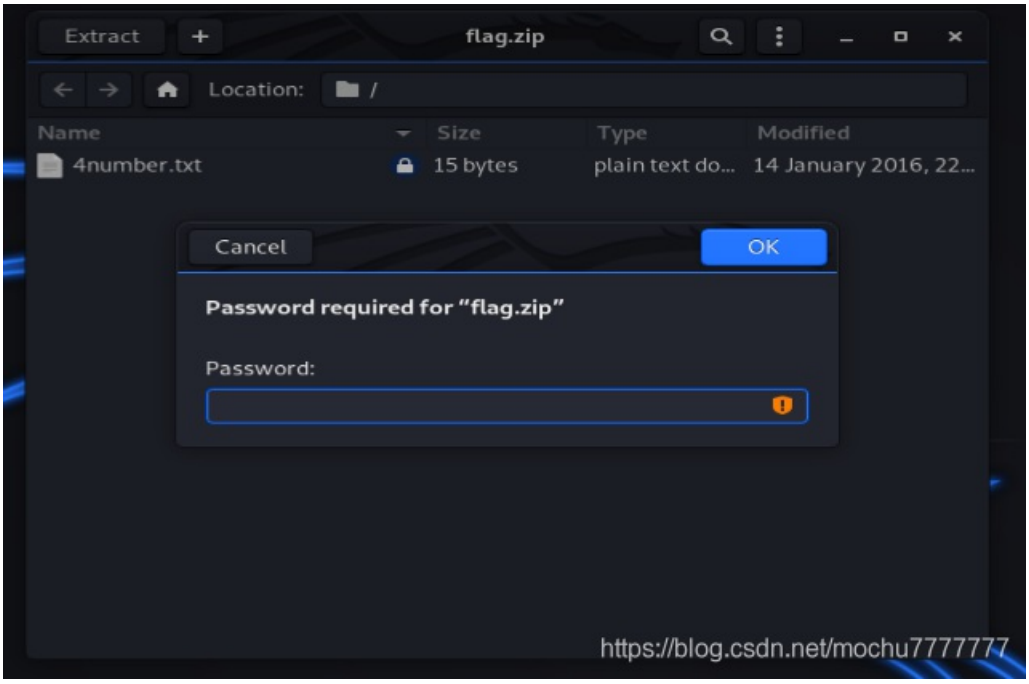
```
mochu7@kali:~/Desktop$ binwalk QR_code.png

DECIMAL       HEXADECIMAL     DESCRIPTION
--------------------------------------------------------------------------------
0             0x0             PNG image, 280 x 280, 1-bit colormap, non-interlaced
471           0x1D7           Zip archive data, encrypted at least v2.0 to extract, compressed size: 29, uncompressed size: 15, name: 4number.txt
650           0x28A           End of Zip archive, footer length: 22

mochu7@kali:~/Desktop$
```

把压缩包分离出来

`dd if=QR_code.png of=flag.zip skip=471 bs=1`

```
mochu7@kali:~/Desktop$ dd if=QR_code.png of=flag.zip skip=471 bs=1
201+0 records in
201+0 records out
201 bytes copied, 0.000632449 s, 318 kB/s
mochu7@kali:~/Desktop$ ls
flag.zip  QR_code.png
mochu7@kali:~/Desktop$
```

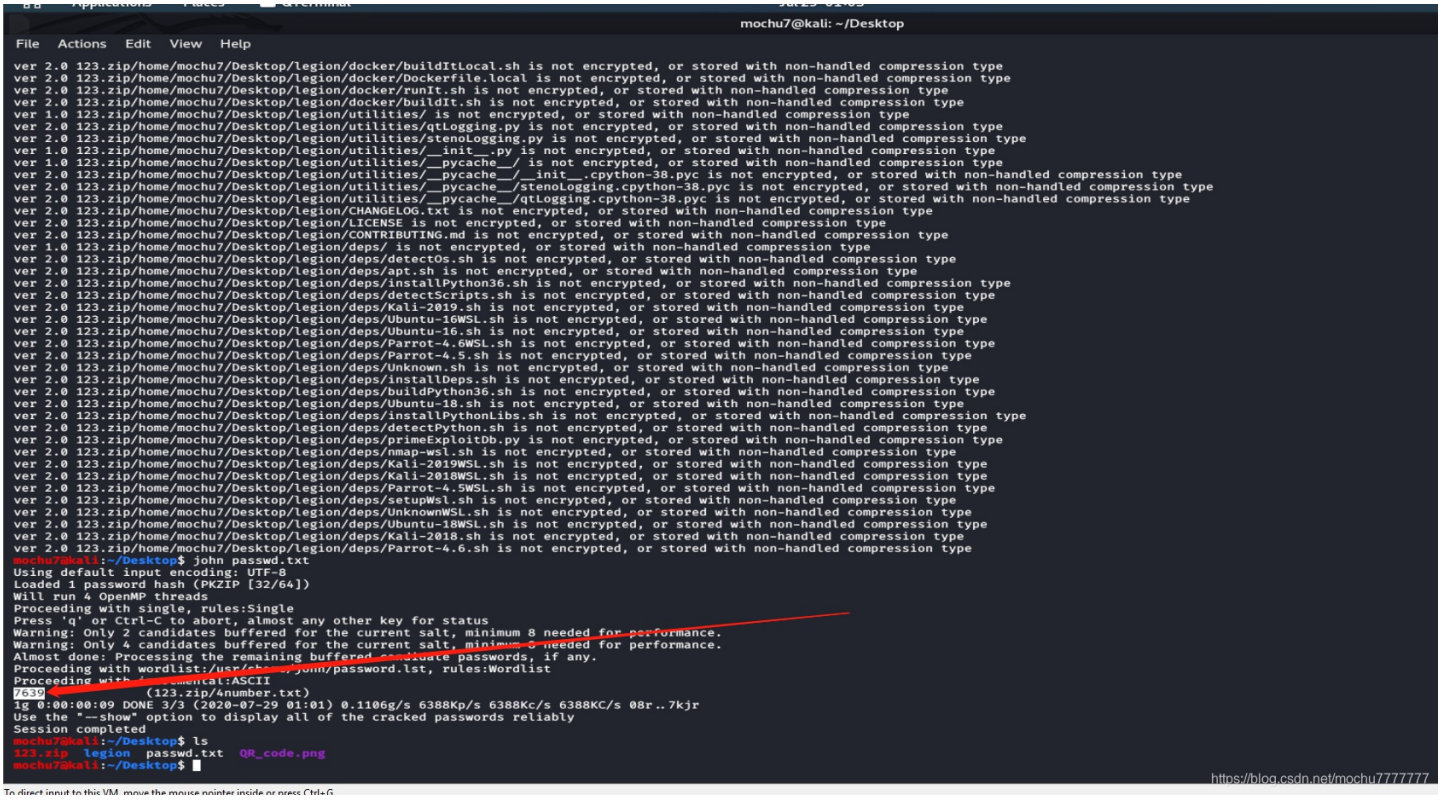
压缩包解压需要密码，看标志位也不是伪加密

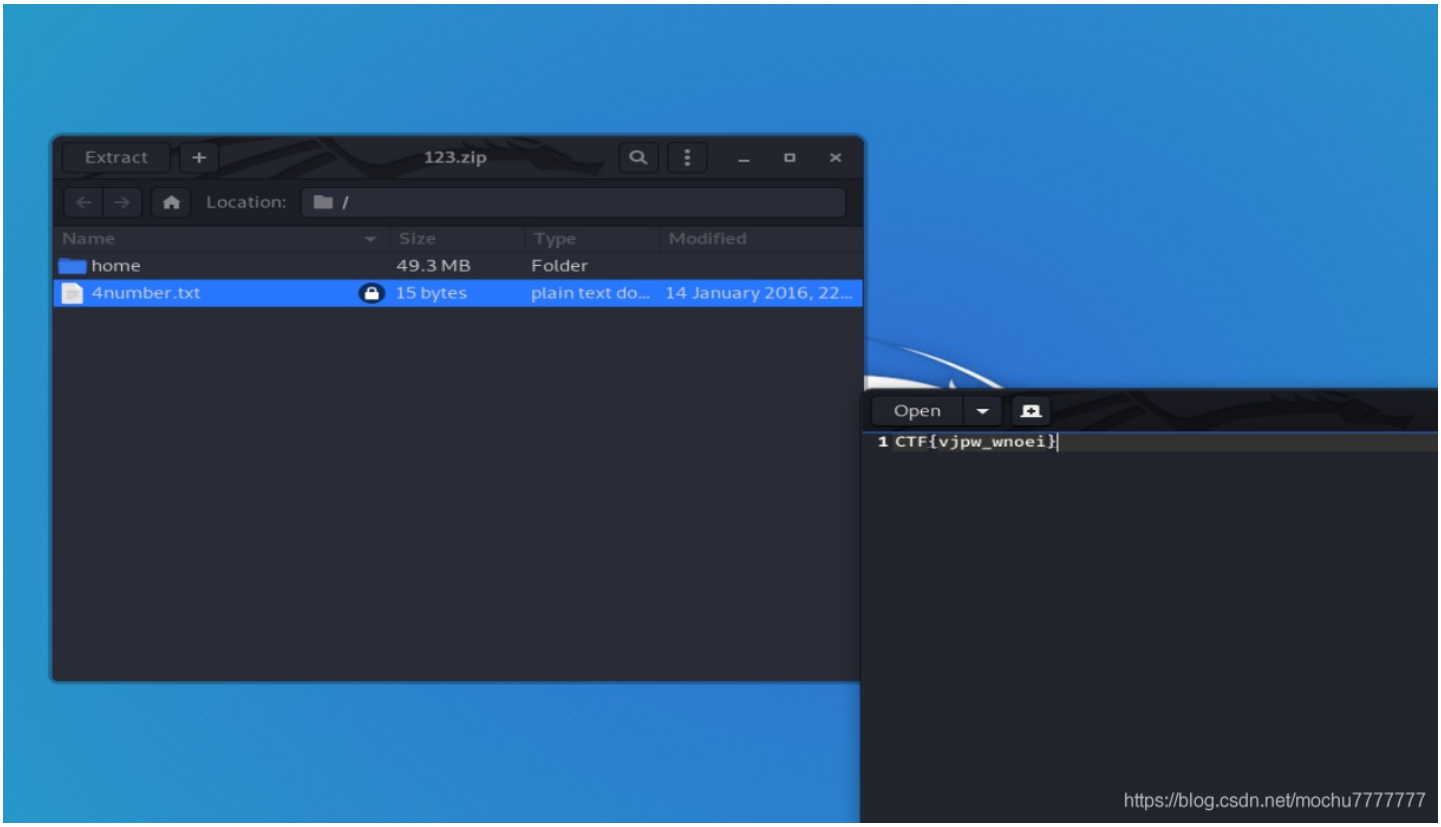



```
mochu7@kali:~/Desktop$ ls
flag.zip  QR_code.png
mochu7@kali:~/Desktop$ hexdump -C flag.zip
00000000  50 4b 03 04 14 00 09 00  08 00 8b 50 2f 48 46 34  |PK.........P/HF4|
00000010  4c ae 1d 00 00 00 0f 00  00 00 0b 00 00 00 34 6e  |L.............4n|
00000020  75 6d 62 65 72 2e 74 78  74 6e 0d da 0b 3f 5a 17  |umber.txtn...?Z.|
00000030  7a 31 0d 51 6a 78 75 c6  03 4a 9d 97 a9 b7 5b fc  |z1.Qjxu..J....[.|
00000040  ea 01 cb 7f a5 4f 50 4b  07 08 46 34 4c ae 1d 00  |.....OPK..F4L...|
00000050  00 00 0f 00 00 00 50 4b  01 02 1f 00 14 00 09 00  |......PK........|
00000060  08 00 8b 50 2f 48 46 34  4c ae 1d 00 00 00 0f 00  |...P/HF4L.......|
```

```
00000070   00 00 0b 00 24 00 00 00   00 00 00 00 20 00 00 00   |....$.......  ...|
00000080   00 00 00 00 34 6e 75 6d   62 65 72 2e 74 78 74 0a   |....4number.txt.|
00000090   00 20 00 00 00 00 00 01   00 18 00 80 65 27 0e 39   |. ..........e'.9|
000000a0   4f d1 01 65 7a 68 64 f3   4c d1 01 65 7a 68 64 f3   |O..ezhd.L..ezhd.|
000000b0   4c d1 01 50 4b 05 06 00   00 00 00 01 00 01 00 5d   |L..PK..........]|
000000c0   00 00 00 56 00 00 00 00   00                       |...V.....|
000000c9
mochu7@kali:~/Desktop$
```


真加密使用`john`破解得到密码，密码是`7639`





`CTF{vjpw_wnoei}`