攻防世界 Misc新手练习区 1-12 全详解

原创

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本文链接：https://blog.csdn.net/weixin_44604541/article/details/109058125

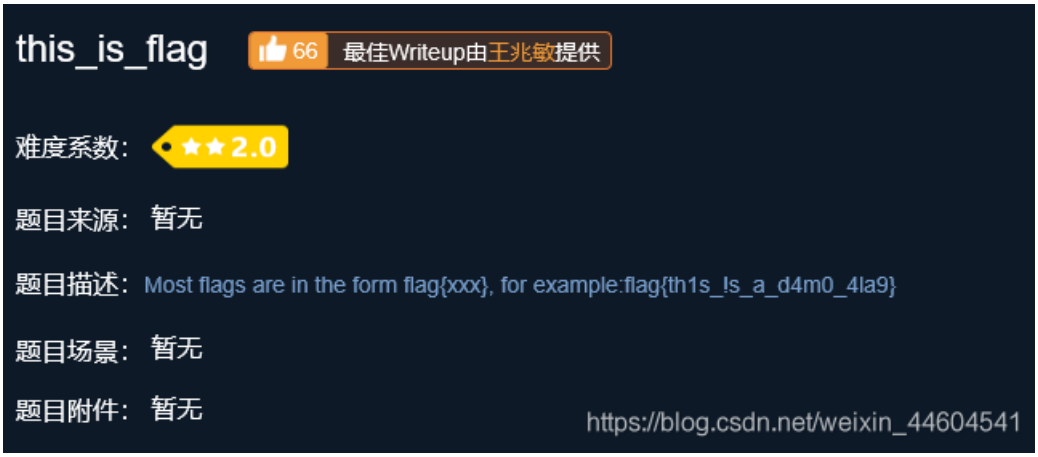
前言

对web有了一定了解

开始玩Misc

本篇是攻防世界 Misc新手练习区的全解

1、this_is_flag



嗯

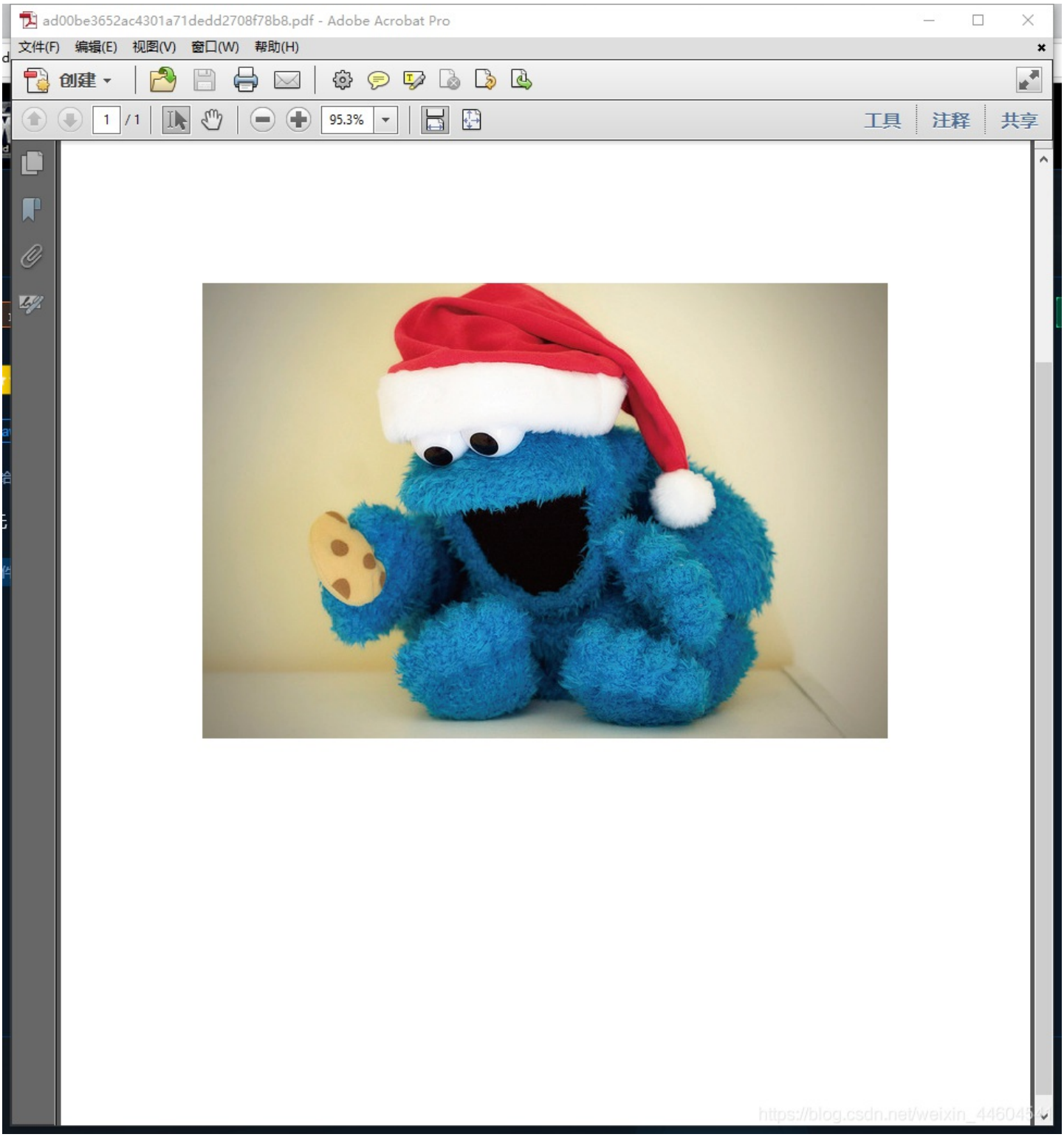
签到打卡

直接给出来了

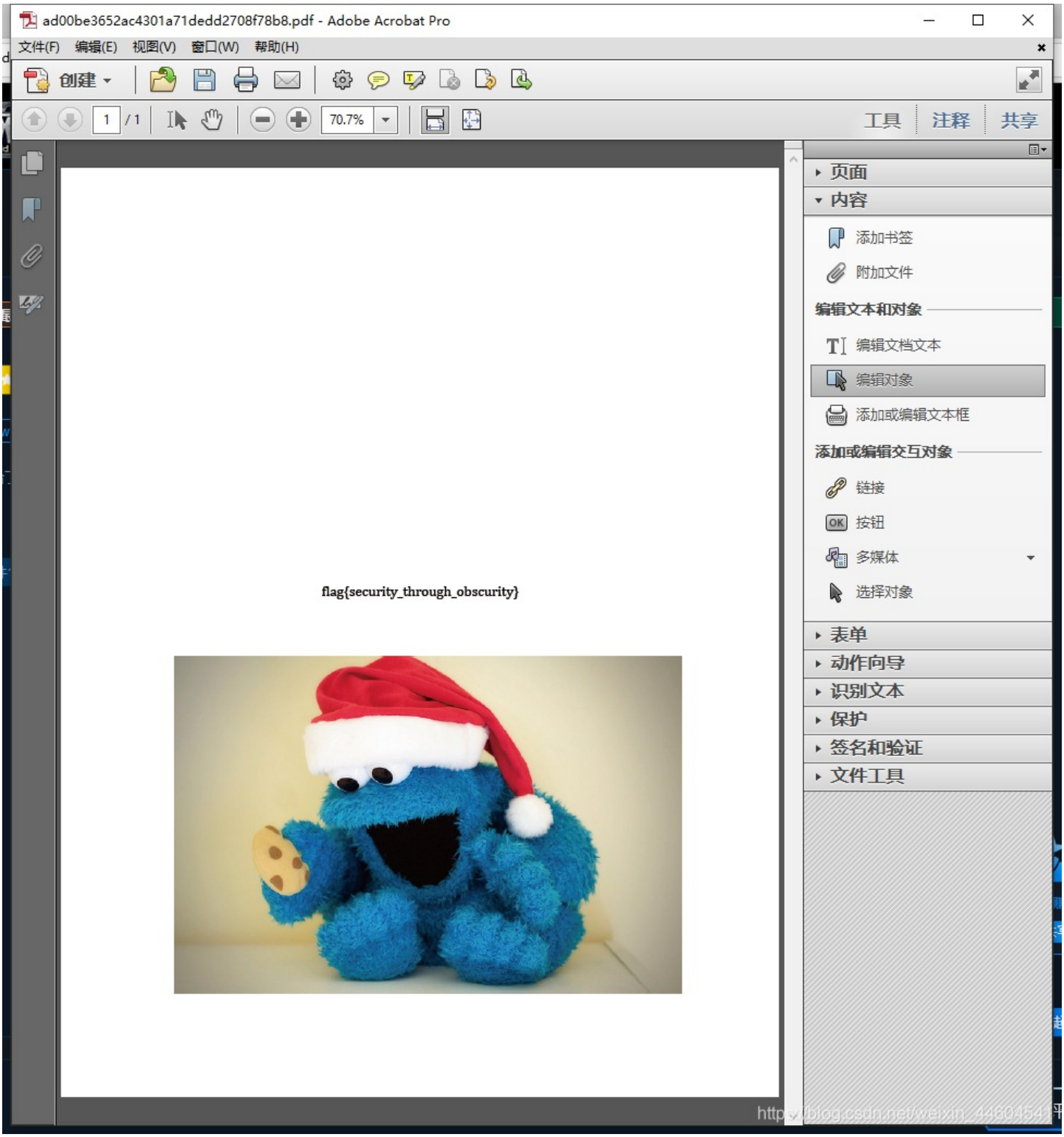
2、pdf


pdf
62
最佳Writeup由S_O_L_R提供
难度系数:
3.0
题目来源:
csaw
题目描述:
菜猫给了菜狗一张图，说图下面什么都没有
题目场景:
暂无
题目附件:
附件1
https://blog.csdn.net/weixin_44604541

打开附件如下



根据提示
flag应该被图片挡住了

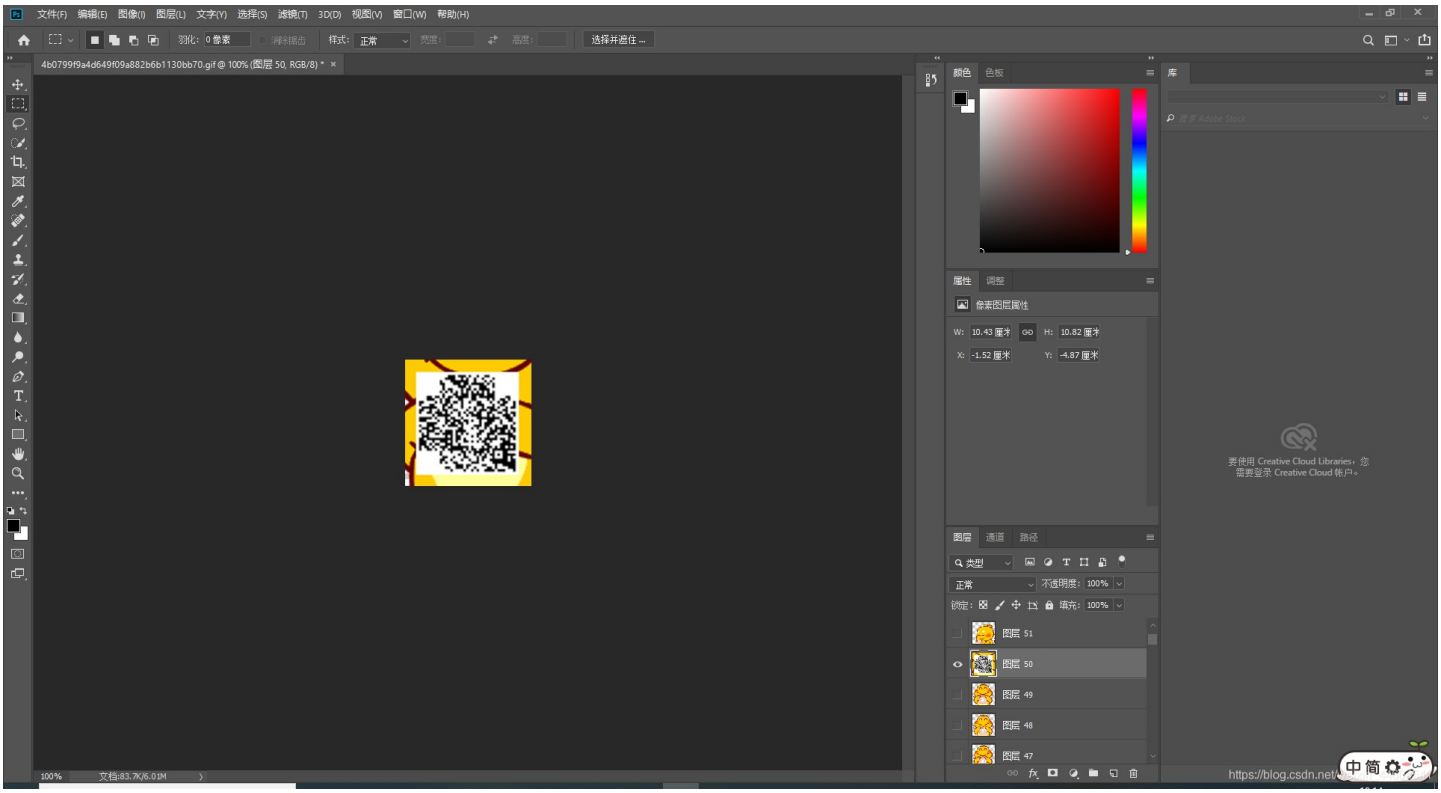


编辑下
挪开图片就有了

3、give_you_flag

打开是gif格式图片
有一张二维码一闪而过

打开ps



在第50帧发现残缺二维码
补上定位
再扫描

获得flag

4、坚持60s

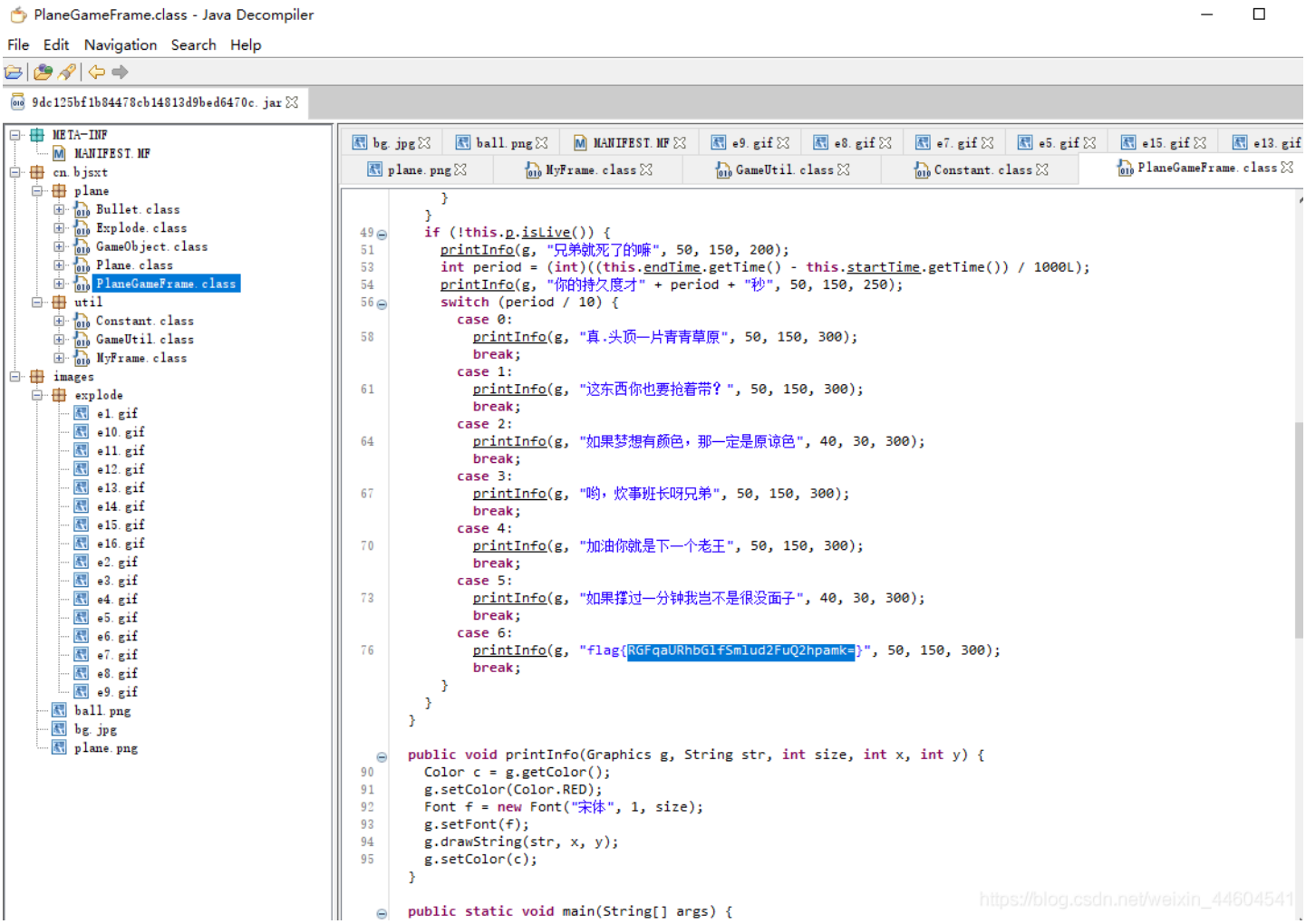
下载下来是个jar

上下左右控制方块躲避障碍

。。。。

充满了恶意

直接反编译看源码



找到flag

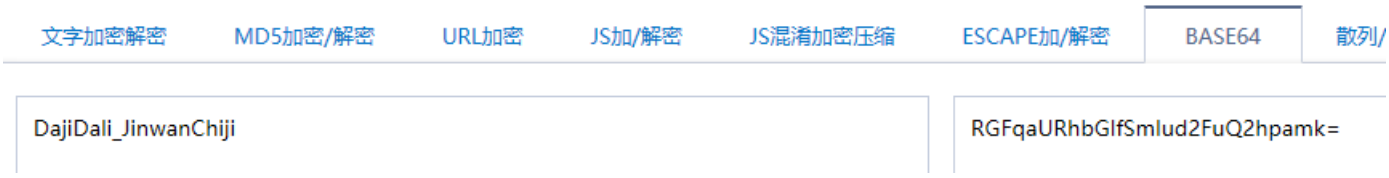
开心的提交

。。。

错误

定睛一看

还得base64

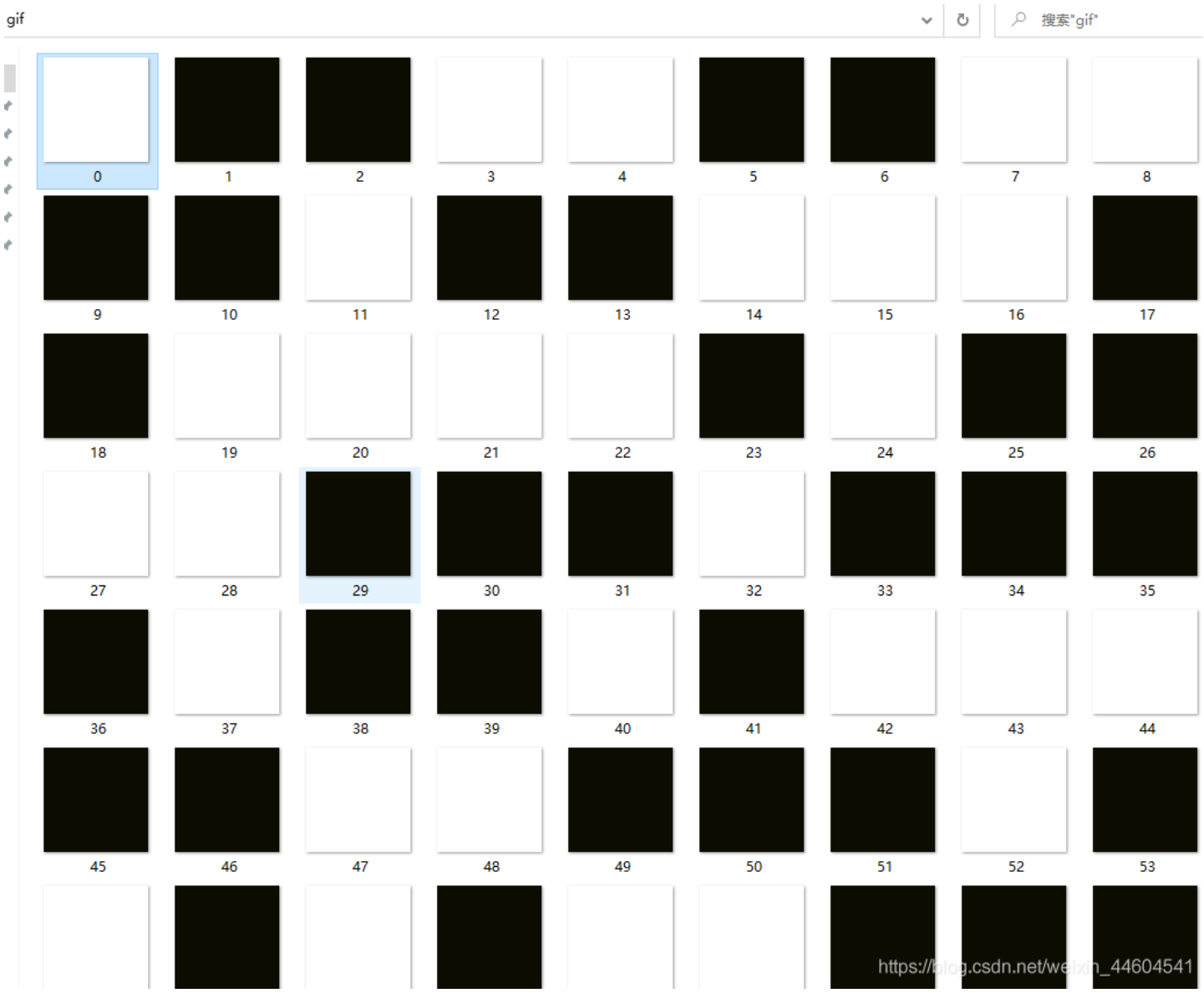


获得flag

5、gif

下下来一个压缩包

解压后是104张图片



黑白黑白黑白

这不得是二进制？

```
01100110011011000110000101100111011110110100011001110101010011100101111101100111011010010100011001111101
```

简单写个脚本

```
flag=""
string="01100110011011000110000101100111011110110100011001110101010011100101111101100111011010010100011001111101
"
for i in range(0,len(string),8):
    s=string[i:i+8]
    flag+=chr(int(s,2))
print (flag)
```

```
flag{FuN_giF}
<completed in 160.00 ms>
```


获得flag

6、掀桌子

就是这串东西解码呗

```
c8e9aca0c6f2e5f3e8c4efe7a1a0d4e8e5a0e6ece1e7a0e9f3baa0e8eafae3f9e4eafae2eae4e3eaebfaebe3f5e7e9f3e4e3e8eaf9eaf3e2e4e6f2
```

试了试

。。。

真的掀桌子了

不是任何现成的加密手段

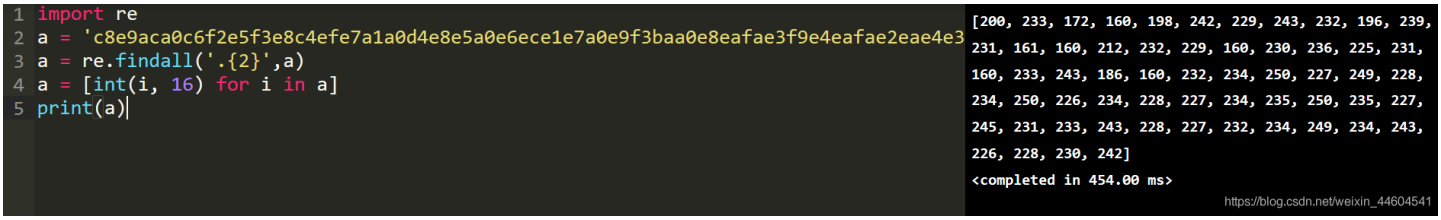
再定睛一看

只有a-f和数字

这怕不是16进制

转换为10进制看看

```
import re
a = 'c8e9aca0c6f2e5f3e8c4efe7a1a0d4e8e5a0e6ece1e7a0e9f3baa0e8eafae3f9e4eafae2eae4e3eaebfaebe3f5e7e9f3e4e3e8eaf9eaf3e2e4e6f2'
a = re.findall('.{2}',a)
a = [int(i, 16) for i in a]
print(a)
```



数字在160到250之间

哽住

。。。。。。

然后突然想到

160=128+32

这不得是ascii码

```
a = [chr(i - 128) for i in a]
s = "".join(a)
print(s)
```

```python
import re
a = 'c8e9aca0c6f2e5f3e8c4efe7a1a0d4e8e5a0e6ece1e7a0e9f3baa0e8eafae3f9e4eafae2eae4e3
a = re.findall('.{2}',a)
a = [int(i, 16) for i in a]
print(a)
a = [chr(i - 128) for i in a]
s = "".join(a)
print(s)
```

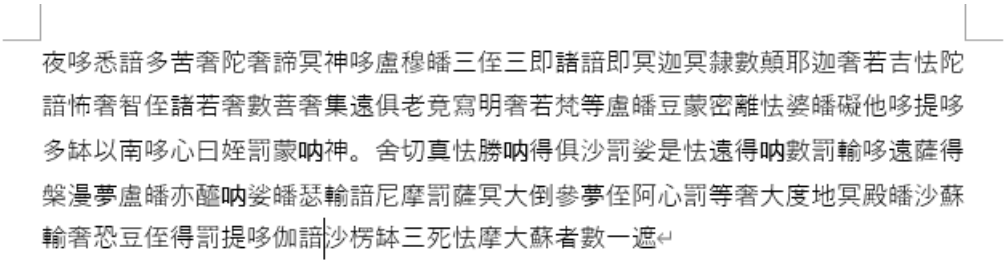
```
[200, 233, 172, 160, 198, 242, 229, 243, 232, 196, 239,
231, 161, 160, 212, 232, 229, 160, 230, 236, 225, 231,
160, 233, 243, 186, 160, 232, 234, 250, 227, 249, 228,
234, 250, 226, 234, 228, 227, 234, 235, 250, 235, 227,
245, 231, 233, 243, 228, 227, 232, 234, 249, 234, 243,
226, 228, 230, 242]
Hi, FreshDog! The flag is:
hjzcydjzbjdcjkzkcugisdchjyjsbdfr
<completed in 382.00 ms>
```


获得flag

是该掀桌子
蛋疼

7、如来十三掌

是个word文件
内容如下



夜哆悉諳多苦奢陀奢諦冥神哆盧穆皤三侄三即諸諳即冥迦冥隸數顛耶迦奢若吉怯陀諳怖奢智侄諸若奢數菩奢集遠俱老竟寫明奢若梵等盧皤豆蒙密離怯婆皤礙他哆提哆多缽以南哆心曰姪罰蒙吶神。舍切真怯勝吶得俱沙罰娑是怯遠得吶數罰輸哆遠薩得槃漫夢盧皤亦醯吶娑皤瑟輸諳尼摩罰薩冥大倒參夢侄阿心罰等奢大度地冥殿皤沙蘇輸奢恐豆侄得罰提哆伽諳沙楞缽三死怯摩大蘇者數一遮↵

我*&……%￥#
这是啥加密

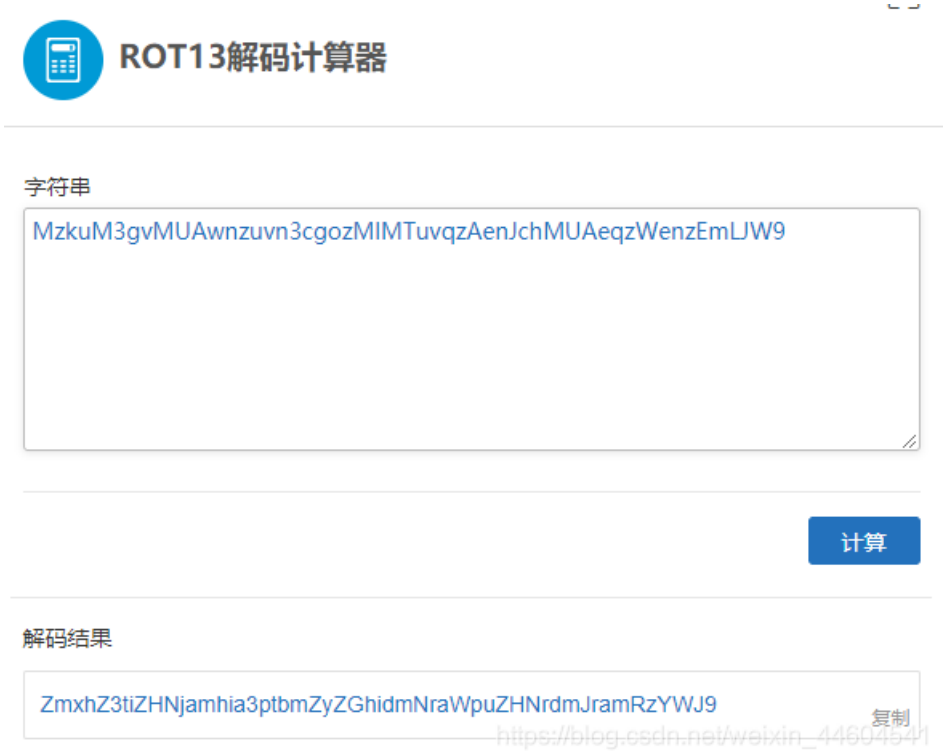
查了查
一个网站与佛论禅

获得字符串

```
MzkuM3gvMUAwnzuvn3cgozMlMTuvqzAenJchMUAeqzWenzEmLJW9
```

还是蛋疼
这是啥加密

题目为什么是十三掌？
跟13有关的加密
rot13




```
ZmxhZ3tiZHNjamhia3ptbmZyZGhidmNraWpuZHNrdmJramRzYWJ9
```

。。。。
蛋碎了

又是一番折腾
都陷入怀疑了

然后
发现还得再来一个base64

获得flag

生活不易
唉声叹气
佛了

8、stegano

下下来是个pdf

搜索flag

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras faucibus odio ut metus vulputate, id laoreet magna volutpat. Integer nec enim vel arcu porttitor egestas. Vestibulum suscipit lorem sed sem faucibus rutrum. Nunc diam orci, convallis vitae auctor vehicula, interdum ut mi. Maecenas nec urna at dolor mattis dictum sit amet at orci. Mauris condimentum adipiscing erat nec feugiat. Curabitur scelerisque varius ligula, iaculis adipiscing dui. Duis eget ullamcorper arcu. In facilisis et tortor commodo aliquam. Nulla feugiat, sem eu molestie bibendum, leo nisi porttitor massa, id accumsan sapien libero id tellus. In enim lacus, sollicitudin a felis quis, blandit porta ipsum. Donec sed nibh egestas, tristique mauris eu, rutrum justo. Nulla facilisi. Duis gravida semper dui laoreet vulputate. Aenean quis tempor orci. Cras placerat lectus nulla, eu bibendum metus interdum in.Lorem ipsum dolor sit amet, consectetur adipiscing elit. 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无内容

挠头

。。。

查了查
得用chrome打开pdf
再ctrlA→ctrlC
黏贴到txt文件中
会出现BABABABA

> NoFlagHere! NoFlagHere! NoFlagHere! XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
> BABA BBB BA BBA ABA AB B AAB ABAA AB B AA BBB BA AAA BBAABB AABA ABAA AB BBA BBBAAA AB
> Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras faucibus odio ut metus vulputate, id laore

```
BABA BBB BA BBA ABA AB B AAB ABAA AB B AA BBB BA AAA BBAABB AABA ABAA AB BBA BBBAAA ABBBB BA AAAB ABBBB AAAAA AB
BBB BAAA ABAA AAABB BB AAABB AAAAA AAAAA AAAAB BBA AAABB
```

瞅着就是摩斯密码
转换下

```
a = 'BABA BBB BA BBA ABA AB B AAB ABAA AB B AA BBB BA AAA BBAABB AABA ABAA AB BBA B
a = a.replace("A",".")
a = a.replace("B","-")
print(a)
```

```
-.-. --- -. --. .-. .- - ..- .-.. .- - .. --- -. ... -
-..-- ..-. .-.. .- --. ---... .---- -. ...- .---- .....
.---- .... .-.. ...-- -- ...-- ..... ..... ....- --.
...--
<completed in  97.00 ms>
```



```
-.-. --- -. --. .-. .- - ..- .-.. .- - .. --- -. ... --..-- ..-. .-.. .- --. ---... .---- -. ...- .---- ..... .-
--- -... .-.. ...-- -- ...-- ..... ..... ....- --. ...--
```

解码得到

```
congratulations,flag:1nv151bl3m3554g3
```

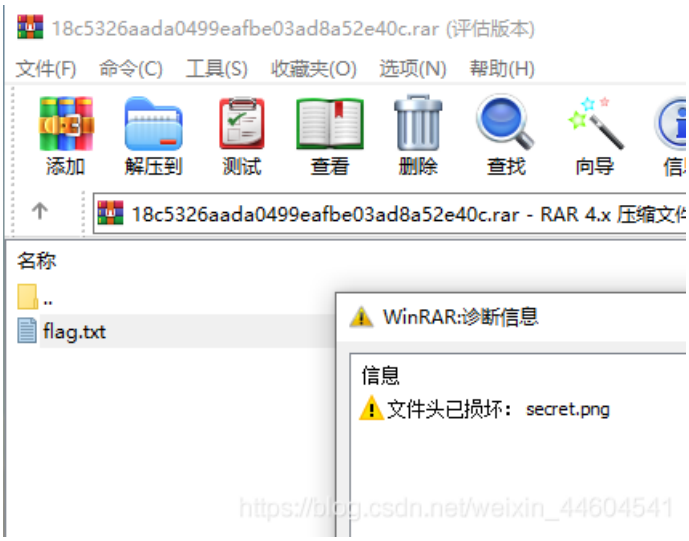
获得flag

一开始用adobe看pdf
啥都么得
BABABA也么得

9、SimpleRAR

下载下来一个rar

但是解压报错



用winhex打开看看

Offset	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	ANSI ASCII
00000000	52	61	72	21	1A	07	00	CF	90	73	00	00	0D	00	00	00	Rar! Ï s
00000010	00	00	00	00	D5	56	74	20	90	2D	00	10	00	00	00	10	ÕVt -
00000020	00	00	00	02	C7	88	67	36	6D	BB	4E	4B	1D	30	08	00	Çˆg6m»NK 0
00000030	20	00	00	00	66	6C	61	67	2E	74	78	74	00	B0	57	00	flag.txt °W
00000040	43	66	6C	61	67	20	69	73	20	6E	6F	74	20	68	65	72	Cflag is not her
00000050	65	A8	3C	7A	20	90	2F	00	3A	15	00	00	42	16	00	00	e¨<z / : B
00000060	02	BC	E9	8C	2F	6E	84	4F	4B	1D	33	0A	00	20	00	00	¼éŒ/n„OK 3
00000070	00	73	65	63	72	65	74	2E	70	6E	67	00	F0	40	AB	18	secret.png ð@«
00000080	11	C1	11	55	08	D1	55	80	0D	99	C4	90	87	93	22	19	Á U ÑU€ ™Ä ‡“"
00000090	4C	58	DA	18	B1	A4	58	16	33	83	08	F4	3A	18	42	0B	LXÚ ±¤X 3ƒ ô: B

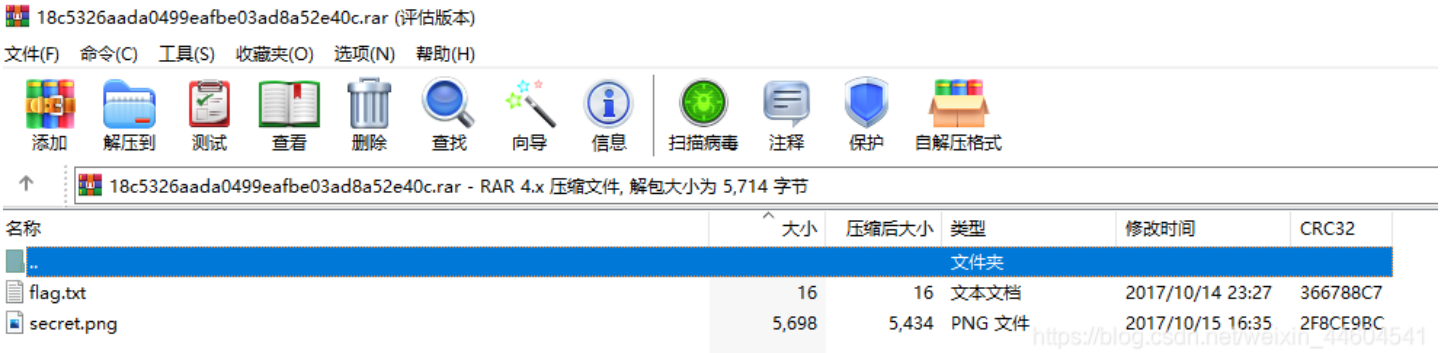
寻找secret.png

查了下
这里的问题是
png是文件块，应该用74
但这里是7A，变成子块了
参考RAR文件格式官方说明书的翻译[中英对照]

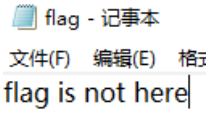
修改下

Offset	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	ANSI ASCII
00000000	52	61	72	21	1A	07	00	CF	90	73	00	00	0D	00	00	00	Rar! Ï s
00000010	00	00	00	00	D5	56	74	20	90	2D	00	10	00	00	00	10	ÕVt -
00000020	00	00	00	02	C7	88	67	36	6D	BB	4E	4B	1D	30	08	00	Çˆg6m»NK 0
00000030	20	00	00	00	66	6C	61	67	2E	74	78	74	00	B0	57	00	flag.txt °W
00000040	43	66	6C	61	67	20	69	73	20	6E	6F	74	20	68	65	72	Cflag is not her
00000050	65	A8	3C	74	20	90	2F	00	3A	15	00	00	42	16	00	00	e¨<t / : B
00000060	02	BC	E9	8C	2F	6E	84	4F	4B	1D	33	0A	00	20	00	00	¼éŒ/n„OK 3
00000070	00	73	65	63	72	65	74	2E	70	6E	67	00	F0	40	AB	18	secret.png ð@«
00000080	11	C1	11	55	08	D1	55	80	0D	99	C4	90	87	93	22	19	Á U ÑU€ ™Ä ‡“"
00000090	4C	58	DA	18	B1	A4	58	16	33	83	08	F4	3A	18	42	0B	LXÚ ±¤X 3ƒ ô: B

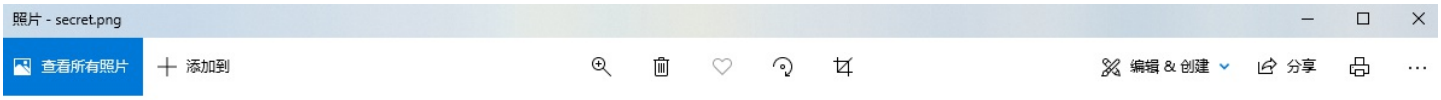
打开rar文件



flag.txt里没东西



secret.png文件全空白



用ps看看
结果提示不是png文件
。。。
那继续winhex打开

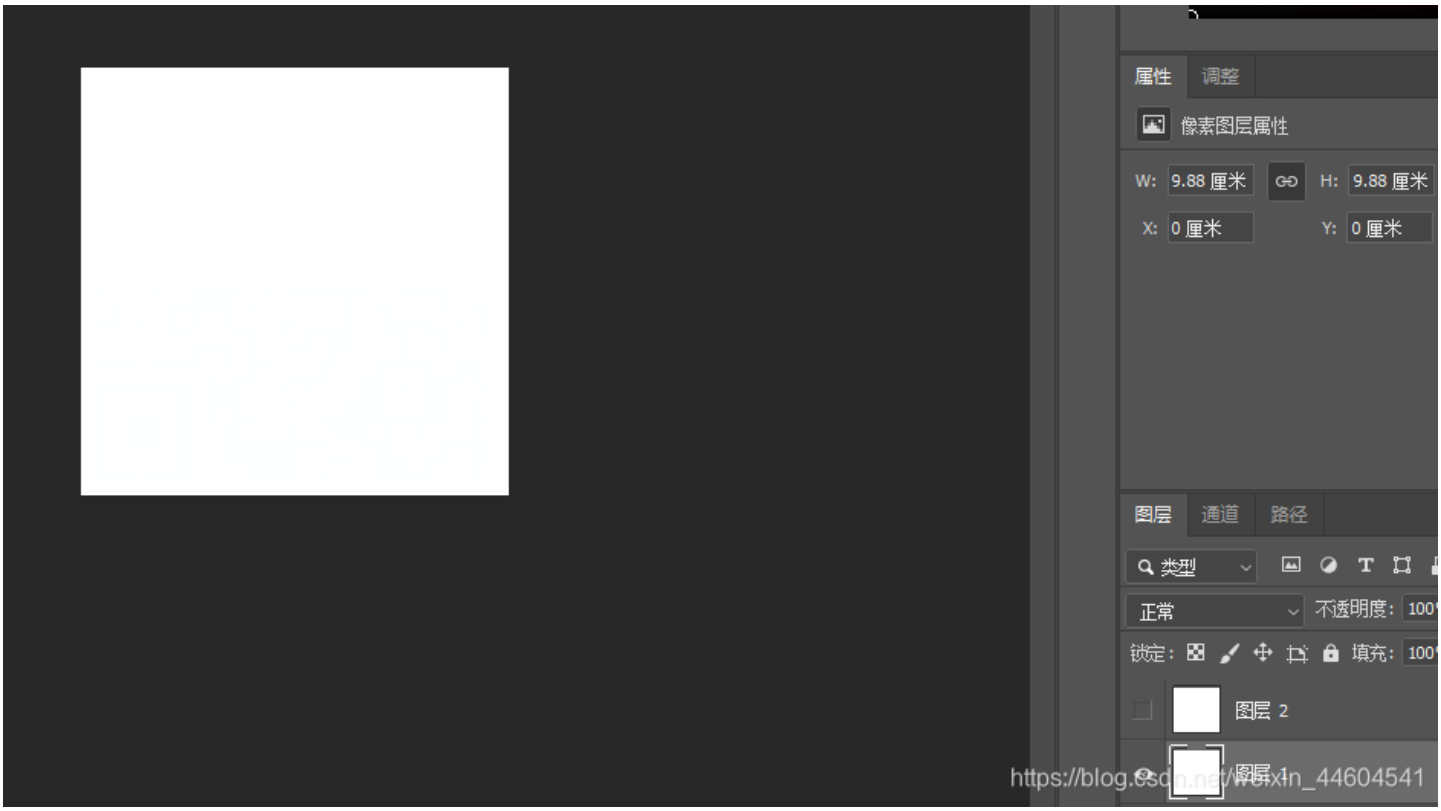
secret.png

Offset	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	ANSI ASCII
00000000	47	49	46	38	39	61	18	01	18	01	91	02	00	FE	FF	FF	GIF89a ` þÿÿ
00000016	FF	FF	FF	FF	FF	FF	00	00	00	21	FF	0B	58	4D	50	20	ÿÿÿÿÿÿ !ÿ XMP
00000032	44	61	74	61	58	4D	50	3C	3F	78	70	61	63	6B	65	74	DataXMP<?xpacket

发现原来是个gif
改后缀名

然后扔ps

。。。



还是没东西啊

。。。

扔stegsolve

但只有一半二维码

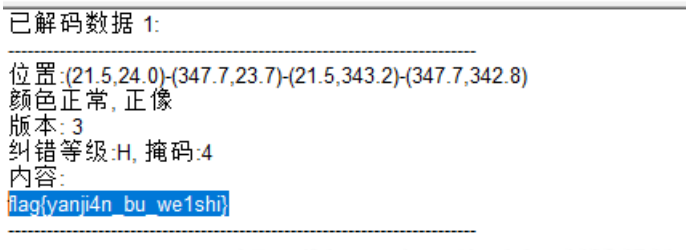
。。。

想到ps打开的时候有两个图层

把另一个导出来看看

发现另一半

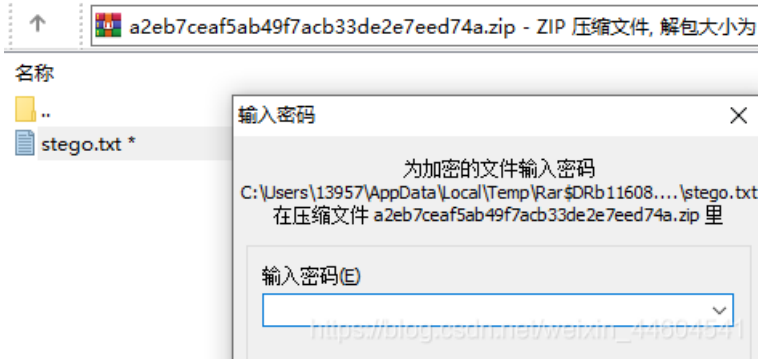
又是ps



得到flag

10、base64stego

下载下来一个zip文件
解压要密码



挠头
这没有任何信息啊

查了查
伪加密
winrar修复功能修复一下就可以打开了
（还有这样的）
伪加密专题

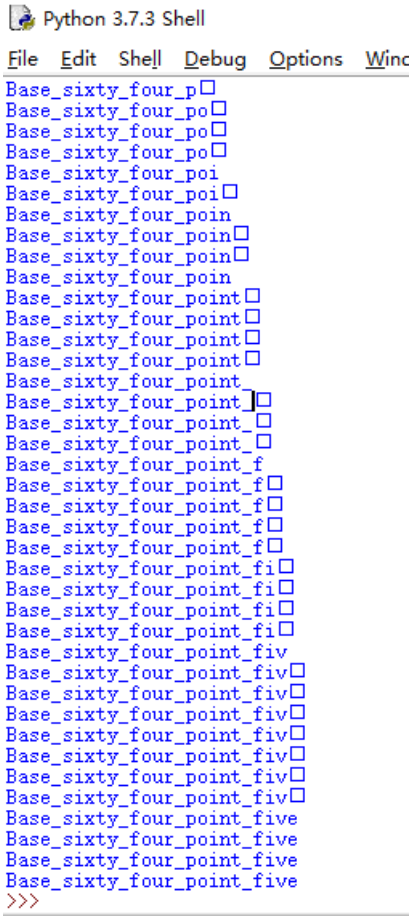
得到一大串base64

查了查

是base64隐写

脚本

```
# -*- coding: cp936 -*-
import base64
b64chars = 'ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789+/'
with open('stego.txt', 'rb') as f:
    bin_str = ''
    for line in f.readlines():
        stegb64 = str(line, "utf-8").strip("\n")
        rowb64 =  str(base64.b64encode(base64.b64decode(stegb64)),"utf-8").strip("\n")
        offset = abs(b64chars.index(stegb64.replace('=','')[-1])-b64chars.index(rowb64.replace('=','')[-1]))
        equalnum = stegb64.count('=') #no equalnum no offset
        if equalnum:
            bin_str += bin(offset)[2:].zfill(equalnum * 2)
        print("".join([chr(int(bin_str[i:i + 8], 2)) for i in range(0, len(bin_str), 8)])) #8 位一组
```



得到flag

11、ext3

下下来个linux的ext3文件

查看文件

```
cy@kalifisher:~/桌面$ file f1fc23f5c743425d9e0073887c846d23.txt
f1fc23f5c743425d9e0073887c846d23.txt: Linux rev 1.0 ext3 filesystem data, UUID=cf6d7bff-c377-403f-84ae-956ce3c99aaa
```

是个磁盘文件

挂载

```
root@kalifisher:/home/cy/桌面# mount f1fc23f5c743425d9e0073887c846d23 /mnt/
root@kalifisher:/home/cy/桌面# cd /mnt
root@kalifisher:/mnt# ls
02CdWGSxGPX.bin  3            8HhWfV9nK1  H2Zj8FNbu     KxEQM           m9V0lIaElz     OOoOs      QQY3sF63w  SPaK8l2sYN
0GY1l            3J           8nwg        hdi7          LG6F            MiU            orcA       r          SrZznhSAj
0h3a5            44aAm        8RxQG4bvd   hYuPvID       Lh              Mnuc           oSx2p      Raf3SYj    t
0l               4A           FinD        i             LlC6Z0zrgy.bin  n              OT         rhZE1LZ6g  T
0qsd             6JR3         fm          imgLDPt4BY    LO0J8           NgzQPW         poiuy7Xdb  Ruc9       TFGVOSwYd.txt
0wDq5            6wUaZE1vbsW  g           ix1EMRHRpIc2  lost+found      Nv             px6u       RZTOGd
0Xs              7H7geLlS5    gtj         j6uLMX        LvuGM           o              Q          scripts
1                8A2MFawD4    h           jE            lWIRfzP         O7avZhikgKgbF  qkCN8      sdb.cramfs
2X               8DQFirm0D    H           jj            m               o8             QmUY1d     sn
```

用`string linux | grep flag`
发现flag的位置

```
O7avZhikgKgbF/flag.txt
```

那cd
然后cat
得到

```
ZmxhZ3tzYWpiY2lienNrampjbmJoc2J2Y2pianN6Y3N6Ymt6an0=
```

瞅着是base64

得到flag

12、功夫再高也怕菜刀

下下来一个pcapng文件
这应该是个流量文件
wireshark
搜索flag

```
Line-based text data: text/html (7 lines)
    ->|./\t2017-12-08 11:42:11\t0\t0777\n
    ../\t2017-12-08 11:39:10\t4096\t0777\n
    1.php\t2017-12-08 11:33:16\t33\t0666\n
    6666.jpg\t2017-12-08 11:42:11\t102226\t0666\n
    flag.txt\t2017-12-08 11:35:29\t17\t0666\n
    hello.zip\t2017-12-08 09:32:36\t224\t0666\n
    |<-
```

追踪该TCP流

注：jpg格式以FFD8FF开头，以FFD9结尾

```
aa=@eval.
(base64_decode($_POST[action]));&action=QGluaV9zZXQoImRp
c3BsYXlfZXJyb3JzIiwiMCIpO0BzZXRfdGltZV9saW1pdCgwKTtAc2V0
X21hZ2ljX3F1b3Rlc19ydW50aW1lKDApO2VjaG8oIi0%2BfCIpOzskZj
1iYXNlNjRfZGVjb2RlKCRfUE9TVFsiejEiXSk7JGM9JF9QT1NUWyJ6Mi
JdOyRjPXN0cl9yZXBsYWNlKCJcciIsIiIsJGMpOyRjPXN0cl9yZXBsYW
NlKCJcbiIsIiIsJGMpOyRidWY9IiI7Zm9yKCRpPTA7JGk8c3RybGVuKC
RjKTskaSs9MikkYnVmLj11cmxkZWNvZGUoIiUiLnN1YnN0cigkYywkaS
wyKSk7ZWNobyhAZndyaXRlKGZvcGVuKCRmLCJ3IiksJGJ1Zik%2FIjEi
OiIwIik7O2VjaG8oInw8LSIpO2RpZSgpOw%3D%3D&z1=RDpcd2FtcDY0
XHd3d1x1cGxvYWRcNjY2Ni5qcGc%3D&z2=FFD8FFE000104A46494600
```

复制所有内容
粘贴到winhex中，选择ASCII Hex格式
保存为jpg文件

a.jpg

Offset	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	ANSI ASCII
00001E90	8C	79	7B	01	7F	99	CD	B0	3D	66	97	3F	3D	E4	D9	E7	Œy{ ™Í°=f–?=äÙç
00001EA0	62	F5	5C	F0	31	8C	60	3E	7B	29	C7	6B	AF	3D	75	7D	bõ\ð1Œ`>{)Çk¯=u}
00001EB0	1A	F5	BA	7A	F5	95	FF	00	9A	69	2E	69	4A	CA	EE	FF	õºzõ•ÿ ši.iJÊîÿ
00001EC0	00	E5	B3	7A	35	A5	AD	E9	1E	5D	7D	D8	3E	6A	D2	6E	åªz5¥-é]}Ø>jÒn
00001ED0	05	B7	E2	36	31	83	2E	DE	96	96	DF	C1	02	76	F3	A5	·â61ƒ.Þ--ßÁ vó¥
00001EE0	E0	1E	AC	73	CE	4B	31	15	DC	E4	F4	11	37	97	91	8E	à ¬sÎK1 Üäô 7–'Ž
00001EF0	45	A5	B7	73	EF	34	D9	E0	9C	31	2D	D8	B6	04	E4	0E	E¥·sï4Ùàœ1-Ø¶ ä
00001F00	08	CC	8A	24	3E	50	23	9B	BB	9E	8F	33	7F	D3	08	B1	ÌŠ$>P#›»ž 3 Ó ±
00001F10	C6	7E	87	EF	39	15	DF	1C	80	4C	AA	24	19	FF	00	A7	Æ~‡ï9 ß €Lª$ ÿ §
00001F20	CB	A3	E8	3A	98	21	EF	D0	1F	4C	B0	C7	6C	15	DF	DD	Ë£è:˜!ïÐ L°Çl ßÝ
00001F30	6F	3D	BA	A5	AF	7B	AF	55	FF	00	2E	CE	49	B7	66	9E	o=º¥¯{¯Uÿ .ÎI·fž
00001F40	DE	5A	25	AA	5A	2F	9D	AC	EF	65	A3	D5	54	64	07	E6	ÞZ%ªZ/ ¬ïe£ÕTd æ
00001F50	61	B3	F7	67	CB	3E	50	39	C5	AD	B8	FB	F3	C8	7B	CB	a³÷gË>P9Å-¸ûóÈ{Ë
00001F60	26	09	18	E7	9C	8C	12	98	85	89	F9	04	63	1F	2B	7D	& çœŒ ˜…‰ù c +}
00001F70	9D	5C	71	0C	7F	F2	D2	F2	5F	47	20	31	52	72	46	06	\q òÒò_G 1RrF
00001F80	32	15	41	9E	41	B5	1B	7F	EF	01	94	79	CE	3A	DC	DC	2 AžAµ ï "yÎ:ÜÜ
00001F90	7F	0D	BC	64	63	F7	31	93	C8	4C	0E	A4	75	5A	AD	27	¼dc÷1"ÈL ¤uZ-'
00001FA0	FC	B4	32	12	7E	61	F6	82	BF	F2	D2	4F	F9	67	67	16	ü´2 ~aö‚¿òÒOùgg
00001FB0	32	02	A9	C0	6D	B9	1C	13	D1	57	3D	91	8E	AB	CB	F0	2 ©Àm¹ ÑW='Ž«Ëð
00001FC0	76	5E	4D	2D	BE	56	BF	D8	82	7C	92	6B	77	DB	AE	BD	v^M-¾V¿Ø‚|'kwÛ®½
00001FD0	97	5D	77	7D	75	D6	CE	CE	53	B4	04	8C	21	45	3D	C5	–]w}uÖÎÎS´ Œ!E=Å
00001FE0	B2	BF	19	6C	7E	F2	F6	6C	F6	1C	94	1D	06	07	F7	4E	²¿ l~òölö " ÷N
00001FF0	6B	92	00	4D	99	71	B8	F9	2A	DF	F2	DA	63	C3	DC	48	k' M™q¸ù*ßòÚcÃÜH
00002000	0F	02	38	C9	F9	77	75	03	07	8F	30	99	DF	92	FB	DB	8Éùwu 0™ß'ûÛ
00002010	03	00	DD	32	76	1D	63	B2	87	FD	A3	81	BC	2E	00	03	Ý2v c²‡ý£ ¼.
00002020	92	42	90	D5	E5	27	E7	DD	F2	65	47	9C	57	A5	BC	03	'B ÕåçÝòeGœW¥¼
00002030	EE	5B	46	09	E2	49	30	01	EA	46	4E	7A	48	6B	AE	11	î[F âI0 êFNzHk®

得到图片

高兴的提交

错误

。。。

头疼

用binwalk跑一下

发现文件包含

还有一个zip文件

```
root@kali:~/Downloads/misc/14# binwalk 19ae303d520c4790b0401569b354e6a2.pcapng

DECIMAL       HEXADECIMAL     DESCRIPTION
--------------------------------------------------------------------------------
663085        0xA1E2D         xz compressed data
664045        0xA21ED         xz compressed data
812025        0xC63F9         xz compressed data
814001        0xC6BB1         xz compressed data
1238637       0x12E66D        xz compressed data
1240937       0x12EF69        xz compressed data
1391563       0x153BCB        xz compressed data
1393067       0x1541AB        xz compressed data
1406647       0x1576B7        xz compressed data
1412887       0x158F17        xz compressed data
1422689       0x15B561        Zip archive data, encrypted at least v2.0 to extract, compressed size:
52, uncompressed size: 40, name: flag.txt
```


查了查

用foremost进行分离

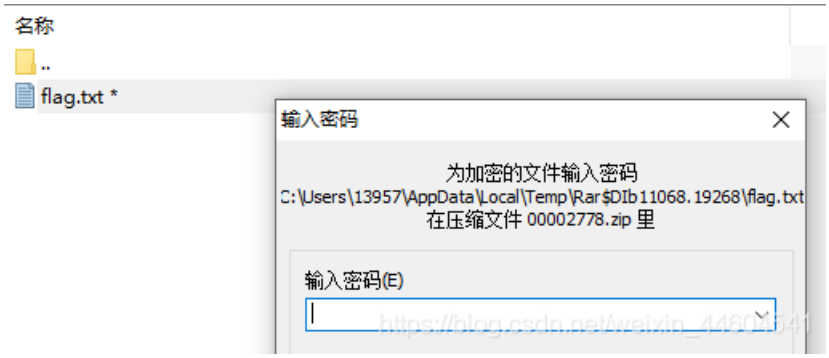
foremost使用教程

得到zip文件

里面有flag.txt

但是需要密码

这应该是之前图片里的`Th1s_1s_p4sswd_!!!`



成功打开

得到flag

结语

简单水了水misc新手区

还是学到好些东西的

- ps的灵活使用
- jd-gui反编译jar
- base64以及base64隐写
- 进制与ASCII码转换
- 与佛论禅。。这个真的佛了
- rot13加密
- pdf隐写
- 摩斯密码
- gif隐写
- RAR文件格式官方说明书的翻译[中英对照]
- zip伪加密
- binwalk文件包含
- foremost文件分离