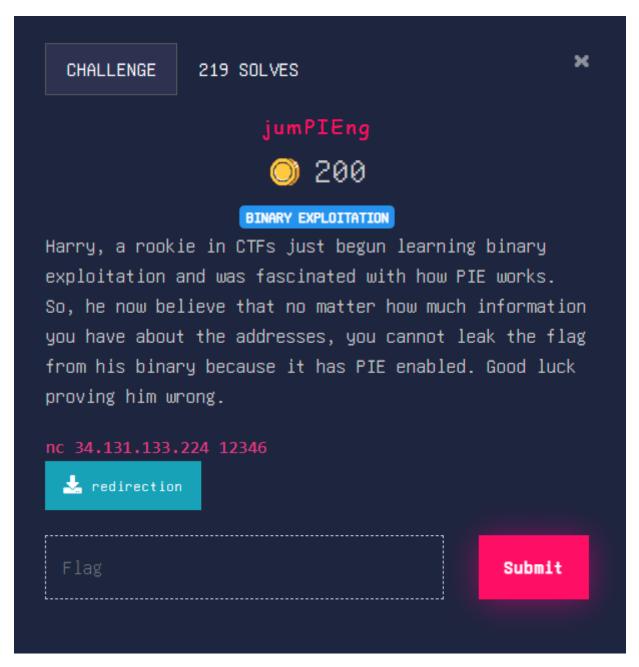
# jumPlEng

## **Description**



## **Category**

#binary

### **Solution**

strings gives nothing useful so I use Ghidra instead

the redirect\_to\_success is the function that calls the flag

```
1
2 void redirect_to_success(void)
3
4 {
5
   FILE * stream;
    char *pcVarl;
    long in FS OFFSET;
    char local_58 [72];
    long local 10;
.0
1
2
3
4
5
6
7
8
    local_10 = *(long *)(in_FS_0FFSET + 0x28);
    puts("Error: Could not locate \'flag.txt\'");
     _stream = fopen("flag.txt","r");
    if ( stream == (FILE *)0x0) {
     puts("Redirection failed.");
    else {
    pcVarl = fgets(local_58,0x40,__stream);
.9
      if (pcVarl != (char *)0x0) {
20
        printf("Flag: %s\n",local_58);
21
22
      fclose(__stream);
23
    }
    if (local_10 != *(long *)(in_FS_OFFSET + 0x28)) {
24
25
                       /* WARNING: Subroutine does not return */
26
        _stack_chk_fail();
27
    }
28
    return;
29 }
30
```

so this problem seems to want to give it the address to the redirect to success method.

```
(atlas@kali)-[~/Desktop]
$ ./redirection
Main function address: 0x564a43f2f1a9
Enter a redirection address (e.g.- 0x33012a): ^C

(atlas@kali)-[~/Desktop]
$ ./redirection
Main function address: 0x55d9d55411a9
Enter a redirection address (e.g.- 0x33012a): ^C
```

main address is dynamic but one thing static is the difference between two address

```
0xce(%rip),%rdi
                                                              # 11a9 <
                                                             # 3fc0 <__libc_start_
                                   call *0x2edf(%rip)
lea
                                         -0xf(%rip),%rax
122d <main+0x84>
1260 <main+0xb7>
                                                              # 11a9 <main>
             74 2a
                                   je
jmp
   1201:
             eb 33
  -(atlas⊛kali)-[~/Desktop]
 -$ objdump -D redirection| grep redirect_to_success
00000000000001262 <
   12aa:
             75 11
                                   jne
                                                                 +0x5b>
             eb 41
                                    jmp
                                          12fe <
   12d5:
              74 1b
                                          12f2 <
                                                                 +0x90>
   130b:
              74 05
                                          1312 <
                                                                 +0xb0>
```

#### Gives 0xB9

so it means when it runs, i just need to add that

```
(atlas@kali)-[~/Desktop]
$ nc 34.131.133.224 12346

Main function address: 0x558e2dfe01a9
Enter a redirection address (e.g.- 0x33012a): 0x558E2DFE0262
0x558E2DFE0262
Redirecting to address 0x558e2dfe0262!
Error: Could not locate 'flag.txt'
Flag: ACECTF{57up1d_57up1d_h4rry}
```