Program analysis

Tuesday, 24 March 2020 3:23 PM

First input

Rbp - 0x1 : A(0x41)

2nd input

Rbp - 0x2:

```
→ 0x400684 <main+93> lea rax, [rbp-0x2]
0x400688 <main+97> mov rsi, rax
0x40068b <main+100> lea rdi, [rip+0x13d] # 0x4007cf
0x400692 <main+107> mov eax, 0x0
0x400697 <main+112> call 0x400530 <_iisoc99_scanf@plt>
```

1st and 2nd input in memory

Jump if less or equal

0x41 is lesser than 0x42, so jump is taken

gef2 i r \$edx edx 0x41 0x41 gef2 i r \$eax eax 0x42 0x42 gef2

seflags: [zero CARRY PARITY ADJUST SIGN trap INTERRUPT direction overflow resume virtualx86 identification]

0x42 is not lesser than 0x41, so jump is not taken

 0x4006cb <main+164>
 movzx edx, BYTE PTR [rbp-0x2]

 0x4006cf <main+168>
 movzx eax, BYTE PTR [rbp-0x1]

 0x4006d3 <main+172>
 cmp dl, al

 0x4006d5 <main+174>
 jle 0x4006fa <main+211>