

Relocation

Dept. of Computer Science and Engineering
2020-14378
Gyojun Youn
youngyojun@snu.ac.kr

(1) 0x8048296

The PC must have a value of `0x8048296` when the `call swap` instruction is executed.

It is the address of the immediately following instruction.

(2) 34 80 00 00

`0x80502ca - 0x8048296 = 0x8034`

(3) 0x40050f

`0x40050f`

The same explanation as (1).

(4) f1 fa 1f 00

`refaddr = 0x400507`

`ADDR(r.symbol) = ADDR(bufp1) = 0x600000`

`r.addend = -0x8`

```
*refptr = (unsigned)(ADDR(r.symbol) + r.addend - refaddr)
          = (unsigned)(0x600000 - 0x8 - 0x400507)
          = 0x1ffaf1
```

(Or, just `0x600000 - 0x40050f = 0x1ffaf1`.)