

...

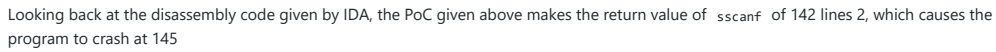
 History

0 contributors

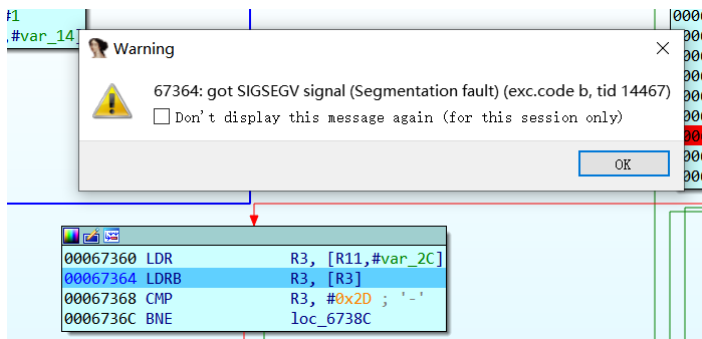
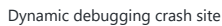
...

## 5.2 dynamic analysis

When `sscanf` is executed, the value at `[R11,#var_2C]` becomes a maliciously injected value (ASCII code value of A)



The reason for the crash is that `[R11,#var_2C]` is directly assigned to R3 register at address `0x00067360`, and the subsequent LDRB instruction causes the program to crash



```

Breakpoint 6, 0x00067360 in ?? ()
1: $sp = (void *) 0xfffff028
2: /x $sp = 0xfffff028
(gdb) info reg
r0          0x2      2
r1          0x0      0
r2          0x125091 1200273
r3          0x2      2
r4          0xfd3b8 1037240
r5          0xffff1e8 -69144
r6          0x1      1
r7          0xffff79d -67683
r8          0xeb74   60276
r9          0x2e368 189288
r10         0xffff5f8 -68104
r11         0xffff2a4 -68956
r12         0xff5f5908 -10528504
sp          0xfffff028 0xfffff028
lr          0x67354 422740
pc          0x67360 0x67360
cpsr       0x6000010 1610612752
fpscr       0x0      0
fpsid       0x0      0
fpexc       0x40000000 1073741824
(gdb) x/30x $sp
0xfffff028: 0x00000000 0x00000000 0x00000000 0x00123cf0
0xfffff038: 0xfffff2c0 0x0011ed70 0x00000000 0x00000000
0xfffff048: 0x00000fd6 0x00000000 0x00616161 0x6362613a
0xfffff058: 0x67666564 0x6b6a6968 0x616e6d6c 0x61616161
0xfffff068: 0x61616161 0x61616161 0x61616161 0x61616161
0xfffff078: 0x61616161 0x61616161 0x61616161 0x61616161
0xfffff088: 0x61616161 0x61616161 0x61616161 0x61616161
0xfffff098: 0x61616161 0x61616161 0x61616161 0x61616161
(gdb) c
Continuing.

Program received signal SIGSEGV, Segmentation fault.
0x00067364 in ?? ()
1: $sp = (void *) 0xfffff028
2: /x $sp = 0xfffff028
(gdb) info reg
r0          0x2      2
r1          0x0      0
r2          0x125091 1200273
r3          0x61616161 1633771873

```

## 6、CNVD reference

[CNVD reference](#)