

main

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CVE-vulns / tenda_ac6 / formSetVirtualSer / formSetVirtualSer.md

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History

0 contributors

49 lines (32 sloc) 2.41 KB

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Tenda AC6V1.0 V15.03.05.19 was discovered to contain a buffer overflow via the list parameter in the formSetVirtualSer function.

Description

Tenda Router AC6V1.0 V15.03.05.19 was discovered to contain a buffer overflow in the `httpd` module when handling `/goform/SetVirtualServerCfg` request.

Firmware information

- Manufacturer's address: <https://www.tenda.com.cn/>
- Firmware download address : <https://www.tenda.com.cn/download/detail-2681.html>

Affected version

AC6V1.0升级软件 V15.03.05.19

立即下载

关联产品: AC6v1.0 更新日期: 2017/5/27

- 此固件只适用于AC6V1.0的机器升级, 不同型号不同硬件版本不能使用该软件, 升级前请通过路由器底部贴纸确认产品型号和版本(如下图所示);
- 修复部分bug;
- 增强设备安全;
- 升级方法: 使用tendawifi.com登录到路由器管理界面, 打开系统管理--软件升级--点击本地升级, 浏览到下载解压后的“.bin”的文件, 点击确定即可升级;
- 升级过程中切勿切断电源, 否则会导致路由器损坏而无法使用! 软件升级完成后需要将路由器恢复出厂设置并重新设置上网!



AC6V1.0:电源输入是12V-1A



AC6V2.0:电源输入是9V-1A

* 如果链接错误或其他问题, 请反馈到 tenda@tenda.com.cn或联系在线客服, 谢谢。

Vulnerability details

This vulnerability lies in the `/goform/SetVirtualServerCfg` page, The details are shown below:

```

1 int __fastcall FormSetVirtualSer(int a1)
2 {
3     int v1; // r0
4     char s[256]; // [sp+10h] [bp-114h] BYREF
5     void *list_value; // [sp+110h] [bp-14h]
6     int v6; // [sp+114h] [bp-10h]
7
8     memset(s, 0, sizeof(s));
9     v6 = 0;
10    list_value = get_value_from_web(a1, (int)"list", (int)&unk_E193C);
11    v1 = sub_76068("adv.virtualser", list_value, 126);
12    if ( CommitCfm(v1) )
13    {
14        sprintf(s, "advance_type=%d", 2);
15        send_msg_to_netctrl1(s, s);
16    }
17    else
18    {
19        v6 = 1;
20    }
21    sub_2C114(
22        a1,
23        "HTTP/1.1 200 OK\nContent-type: text/plain; charset=utf-8\nPragma: no-cache\nCache-Control: no-cache\n\n");
24    sub_2C114(a1, "{\\"errorCode\\":%d}", v6);
25    return sub_2C65C(a1, 200);
26 }

```

In sub_76068

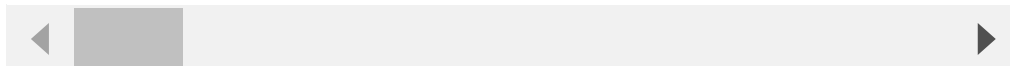
```

17:         a2;
while ( 1 )
{
    v15 = strchr(v17, a3);
    if ( !v15 )
        break;
    *v15++ = 0;
    memset(s, 0, sizeof(s));
    sprintf(s, "%s.list%d", a1, v16);
    if ( sscanf(v17, "[%[^]]%*c%[^,]%*c%[^,]%*c%s", v12, v11, v10, v9) == 4 )
    {
        sprintf(v13, "0;%s;%s;%s;%s;1", (const char *)v10, (const char *)v11, v12, (const char *)v9);
        SetValue(s, v13);
    }
    v17 = v15;
    ++v16;
}
memset(s, 0, sizeof(s));
sprintf(s, "%s.list%d", a1, v16);
if ( sscanf(v17, "[%[^]]%*c%[^,]%*c%[^,]%*c%s", v12, v11, v10, v9) == 4 )
{
    sprintf(v13, "0;%s;%s;%s;%s;1", (const char *)v10, (const char *)v11, v12, (const char *)v9);
    SetValue(s, v13);
}
}

```

POC

This POC can result in a Dos.

[illegible]

```
Connect to server failed.  
Unsupported setsockopt level=1 optname=13  
Segmentation fault (core dumped)
```