

### 组网及说明

无

### 问题描述

某局点采用WX5540H 做portal认证, 服务器采用的是第三方服务器, 配置好之后, 发现能正常弹出portal界面, 但是输入用户名和密码之后, 提示设备拒绝请求, 查看设备侧配置, 并无发现异常, 确认两边nas-ip和bas-ip 也都对应的上, 基本无问题。

设备侧配置:

```
wlan service-template 1
ssid TEST
client forwarding-location ap vlan 2031
portal enable method direct
portal domain 123
portal bas-ip 192.168.x.x
portal apply web-server 123
portal apply mac-trigger-server 123
service-template enable
radius scheme 123
primary authentication x.x.x.x
primary accounting x.x.x.x
key authentication cipher $c$3$VY+oALO9urS0v3EZqWOtR/DLbpvIBMtU6A==
key accounting cipher $c$3$x3EI1KhAxpMI9anDFajju5G/jpZPeh3scw==
nas-ip 192.168.x.x
domain 123
authentication portal radius-scheme 123
authorization portal radius-scheme 123
accounting portal radius-scheme 123
portal web-server 123
url http://x.x.x.x/index\_5.html
url-parameter ssid ssid
url-parameter wlanacname value AC
url-parameter wlanuserip source-address
portal server 123
ip x.x.x.x key cipher $c$3$Ovapw7oNv+To7hSyLL/O5MJ1KlWd6z6DBg==
server-type cmcc
```

### 过程分析

由于配置暂看不出异常, 建议收集debug portal all 和debug radius all, 通过查看debug信息发现, 设备已收到req\_auth报文, 开始封装radius 报文了, 但是提示封装失败, 一般提示这个报错是由于两端的portal协议类型不一致导致。设备侧配置的是CMCC, 是属于portal1.0, 怀疑第三方服务器侧用的是portal2.0, 导致认证失败。

```
*May 9 16:40:36:547 2020 AC控制器 PORTAL/7/PACKET:
Portal received 80 bytes of packet: Type=req_auth(3), ErrCode=0, IP=x.x.x.x
*May 9 16:40:36:547 2020 AC控制器 PORTAL/7/PACKET:
02 03 00 00 d8 21 00 c6 0a 04 97 88 00 00 00 04
a9 19 b6 97 ec 29 3c 2a 91 e3 5e c3 ee 97 0c 15
01 06 74 65 73 74 04 12 67 c4 7d f3 3c f5 7d cf
2f cb 87 c0 d9 94 8b 32 03 12 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 0a 06 00 00 00 00

*May 9 16:40:36:547 2020 AC控制器 RADIUS/7/EVENT:
PAM_RADIUS: Processing RADIUS authentication.
*May 9 16:40:36:548 2020 AC控制器 RADIUS/7/EVENT:
PAM_RADIUS: Sent authentication request successfully.
*May 9 16:40:36:548 2020 AC控制器 RADIUS/7/EVENT:
Processing AAA request data.
*May 9 16:40:36:548 2020 AC控制器 RADIUS/7/EVENT:
```

Got request data successfully, primitive: authentication.  
\*May 9 16:40:36:548 2020 AC控制器 RADIUS/7/EVENT:  
Getting RADIUS server info.  
\*May 9 16:40:36:548 2020 AC控制器 RADIUS/7/EVENT:  
Got RADIUS server info successfully.  
\*May 9 16:40:36:548 2020 AC控制器 RADIUS/7/EVENT:  
Created request context successfully.  
\*May 9 16:40:36:548 2020 AC控制器 RADIUS/7/EVENT:  
Created request packet successfully, dstIP: x.x.x.x, dstPort: 1812, VPN instance: --(public), socketFd:  
96, pktID: 237.  
\*May 9 16:40:36:549 2020 AC控制器 RADIUS/7/EVENT:  
Added packet sockfd to epoll successfully, socketFd: 96.  
\*May 9 16:40:36:549 2020 AC控制器 RADIUS/7/EVENT:  
Mapped PAM item to RADIUS attribute successfully.  
**\*May 9 16:40:36:549 2020 AC控制器 RADIUS/7/ERROR:  
Failed to fill RADIUS attribute in packet.**  
**\*May 9 16:40:36:549 2020 AC控制器 RADIUS/7/ERROR:  
Failed to compose request packet.**  
**\*May 9 16:40:36:549 2020 AC控制器 RADIUS/7/ERROR:  
Failed to send request packet and create request context.**  
\*May 9 16:40:36:549 2020 AC控制器 RADIUS/7/EVENT:  
Sent reply message successfully.  
\*May 9 16:40:36:549 2020 AC控制器 RADIUS/7/EVENT:  
PAM\_RADIUS: Processing RADIUS authentication.  
\*May 9 16:40:36:550 2020 AC控制器 RADIUS/7/EVENT:  
Processing AAA request data.  
\*May 9 16:40:36:550 2020 AC控制器 RADIUS/7/EVENT:  
PAM\_RADIUS: Fetched authentication reply-data successfully, resultCode: 4  
\*May 9 16:40:36:550 2020 AC控制器 PORTAL/7/PACKET:  
Portal sent 16 bytes of packet: Type=ack\_auth(4), ErrCode=1, IP=x.x.x.x

#### 解决方法

把设备侧server-type 改成imc之后, 重新测试之后, 问题解决, 认证成功。

总结: 设备侧配置CMCC 是portal1.0, IMC是portal2.0, 设备侧需要跟服务器侧对应上, 否则就会提示radius 报文封装失败的报错。

portal server 123

ip x.x.x.x key cipher \$c\$3\$Ovapw7oNv+To7hSyLL/O5MJ1KlWd6z6DBg==

server-type imc