知 某局点通过EIA向无线portal用户下发限速不生效问题处理经验案例

wlan接入　Portal　Radius　iMC　　**李庆**　2021-10-26 发表

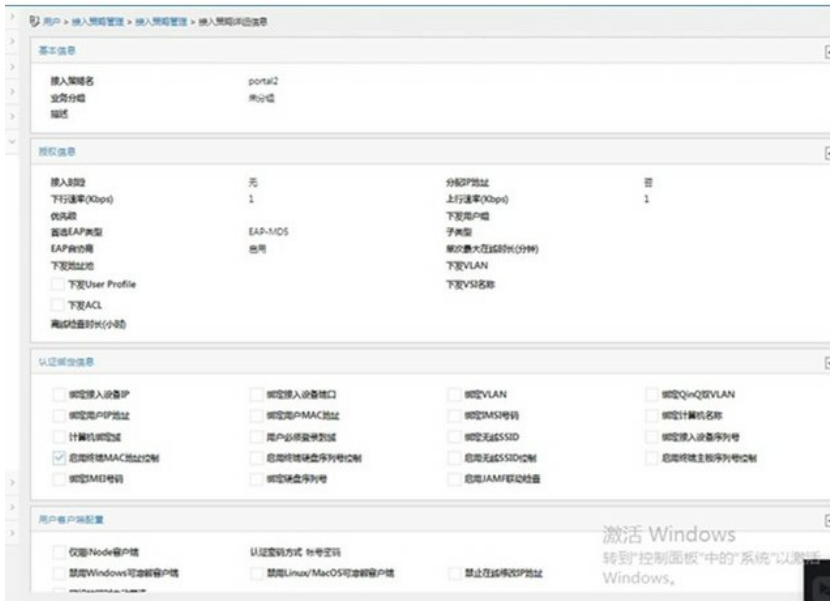## 组网及说明

现场使用WX3510H结合iMC做portal认证，需要向用户下发限速策略

现场使用WX3510H结合iMC做portal认证，向用户下发限速策略后限速不生效。

检查服务器配置没有问题

服务器日志显示限速策略正常下发：

```
%% 2021-10-20 17:34:05.883 ; [LDBG] ; [22020] ; LAN ; test0910 ; 2 ; ; BBuobx8h ; Send message attribute list:
Code = 2
ID = 177
ATTRIBUTES:
User-Name(1) =
Service_Type(6) = 2
State(24) = BBuobx8h
Class(25) = BBuobx8h
Termination-Action(29) = 0
hw-Input-Peak-Rate(1) = 5120
hw-Input-Average-Rate(2) = 1024
hw-Input-Basic-Rate(3) = 1024
hw-Output-Peak-Rate(4) = 5120
hw-Output-Average-Rate(5) = 1024
hw-Output-Basic-Rate(6) = 1024
Session-Timeout(27) = 86400
Acct-Interim-Interval(85) = 600
hw_User_Notify(61) =
```

在设备上查看portal用户表项显示AAA下发失败：inactive AAA

```
<WX3510H>dis portal user username test0910
Username: test0910
  AP name: kyl-206
  Radio ID: 1
  SSID: hzlcyhxx
  Portal server: newpt
  State: Online
  VPN instance: N/A
MAC              IP                    VLAN    Interface
                                       160     WLAN-BSS1/0/759
Authorization information:
  DHCP IP pool: N/A
  User profile: N/A
  Session group profile: N/A
  ACL number: N/A
  Inbound CAR: CIR 1024 bps PIR 5120 bps
               CBS N/A (inactive, AAA)
  Outbound CAR: CIR 1024 bps PIR 5120 bps
                CBS N/A (inactive, AAA)
```

进一步查看设备日志信息发现服务器配置限速的数值太低为1bps，不在设备合理范围内：

```
QOS/4/QOS_AUTHCAR_APPLYUSER_FAIL: -MAC=                    -SVLAN=160-Port=WLAN-BSS1/0/759; Failed to apply
the authorized CAR to the user. Reason: The value is out of range.
```

修改服务器限速数值在设备支持范围内后限速生效：active AAA

```
<WX3510H>display portal user username test1020
<WX3510H>display portal user username test1020
Username: test1020
  AP name: kyl-206
  Radio ID: 1
  SSID: hzlcyhxx
  BSSID:                     newpt
  State: Online
  VPN instance: N/A
  MAC                IP                    VLAN      Interface
                                          160       WLAN-BSS1/0/759

    DHCP IP pool: N/A
    User profile: N/A
    Session group profile: N/A
    ACL number: N/A
    Inbound CAR: CIR 1024000 bps PIR 5120000 bps
                CBS N/A (active, AAA)
    Outbound CAR: CIR 2048000 bps PIR 10240000 bps
                 CBS N/A (active, AAA)
```

服务器限速数值要配置在设备允许配置的范围内：$8*10^3$-$10*10^{10}$bps