

知 S5130S-EI下挂终端无法正常认证案例

802.1X

MAC地址认证

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问题描述

设备接口同时下挂了哑终端和PC，哑终端做了MAC认证，而PC则做802.1X认证。如果哑终端先上线，则PC无法上线，反过来也一样。

```
interface GigabitEthernet1/0/1
stp edged-port
poe enable
dot1x
undo dot1x handshake
undo dot1x multicast-trigger
dot1x unicast-trigger
mac-authentication
```

过程分析

1、经确认3c8b-7fdc-3192是哑终端，正常授权VLAN530， b05c-da34-c08f是电脑，正常授权VLAN545;

2、在哑终端先上线的情况下，可以看到能够正常获取到授权VLAN530;

*Jan 1 05:48:06:110 2013 H3C RADIUS/7/PACKET:

User-Name="3C-8B-7F-DC-31-92"

Class=0x434143533a30613734333830397a597932654f555143394d3572646f506d3235735f586e552f50656647445347584831526b3571356968513a534d43544a4953452f3434383033353836392f32393030333639

Tunnel-Type:1=VLAN

Tunnel-Medium-Type:1=IEEE-802

Tunnel-Private-Group-Id:1="530"

Cisco-AVPair="device-traffic-class=voice"

Cisco-AVPair="profile-name=Unknown"

3、后面电脑再上线，初始的VLAN就是530了，看后续的debug服务器就不再回应认证了

*Jan 1 05:48:35:325 2013 H3C DOT1X/7/EVENT: Processing new mac event:UserMAC=b05c-da34-c08f, VLANID=530, Interface=GigabitEthernet1/0/1.

解决方法

- 1、对于access接口，必须保证下面所有用户的授权VLAN完全一致；
- 2、如果要下发不同的授权VLAN，那么就需要改成hybrid接口，并且开启mac-vlan enable功能

```
interface GigabitEthernet1/0/1
port link-type hybrid
mac-vlan enable
poe enable
dot1x
undo dot1x handshake
undo dot1x multicast-trigger
dot1x unicast-trigger
mac-authentication
```

