



某局点EPON组网AP上线后终端获取不到地址

wlan接入

EPON-OLT

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2021-08-31 发表

组网及说明

AC（旁挂）-核心-ONU-poe交换机-AP

问题描述

本地转发组网，AP能上线，但终端获取不到地址

过程分析

查看AP是否在线

```
=====display wlan ap all=====
```

Total number of APs: 1

Total number of connected APs: 1

Total number of connected manual APs: 1

Total number of connected auto APs: 0

Total number of connected common APs: 1

Total number of connected WTUs: 0

Total number of inside APs: 0

Maximum supported APs: 144

Remaining APs: 143

Total AP licenses: 53

Local AP licenses: 53

Server AP licenses: 0

Remaining Local AP licenses: 52

Sync AP licenses: 0

AP information

State : I = Idle, J = Join, JA = JoinAck, IL = ImageLoad

C = Config, DC = DataCheck, R = Run, M = Master, B = Backup

AP name	APID	State	Model	Serial ID
9c54-c252-9f60	2	R/M	WA6322H	219801A2FC8217E008QC

手工给终端配置地址, ping不通在核心上的网关, 说明是二层转发的问题, 检查核心交换机OLT配置:

```
#
interface Olt3/0/1
description To:EPON_XYW_Jiaoxue_Fenguangqi
using onu 1 to 32
port link-type hybrid
undo port hybrid vlan 1
port hybrid vlan 42 to 44 101 to 105 111 to 115 tagged //放通了终端业务vlan
```

```
#
ONU配置:
#
interface Onu3/0/1:22
description To:EPON_JXL5F_3_ONU_01
bind onu-id b044-14d1-6e10
management-vlan 42
undo shutdown management-vlan-interface
ip address 172.31.42.122 255.255.255.0 gateway 172.31.42.1
uni 1 vlan-mode trunk pvid 43 101 to 105
uni 2 vlan-mode tag pvid 111
uni 3 vlan-mode tag pvid 104
port link-type trunk
port trunk permit vlan all
dhcp snooping trust
```

在接入交换机上下行抓包看dhcp报文交换过程, 发现接入交换机下线口, 有收到终端的discover报文, 上行口无任何报文, 检查接入交换机配置:

```
#
interface GigabitEthernet1/0/1
poe enable
#
interface GigabitEthernet1/0/2
#
```

接入交换机配置问题

解决方法

与AP互联的口（1/0/1）要放通AP的管理vlan和终端业务vlan，pvid为AP管理vlan id

与onu互联的口（1/0/2）要配置pvid为AP管理vlan id

注意：这种组网跟普通的本地转发配置一致

