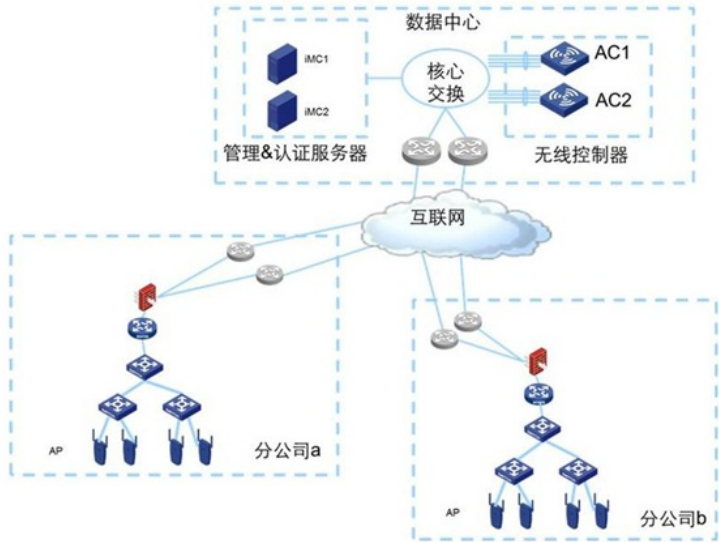


# 某局点EWPXM1MAC0F插卡跨公网注册成功后，部分ap地址回显不正常的经验案例

AP管理 AC备份 王燕 2021-11-26 发表

## 组网及说明

组网说明，总公司两块EWPXM1MAC0F插卡配置了主备AC，分公司ap跨公网注册到总部。总部和分支出口都配置了相关NAT保持三层互通。



## 问题描述

总公司两块EWPXM1MAC0F插卡配置了主备AC，分公司ap跨公网注册到总部后（两端出口都做了NAT），但在AC上查看ap的地址，部分ap回显不是分公司的出口地址，而是ap获取的私网地址。

举例说明：

部分正常的ap地址显示：

**<AC>dis wlan ap name 083a-38c4-xxxx address**

AP name	IP address	MAC address
083a-38c4-xxxx	222.240.207. xx	083a-38c4-xxxx

不正常的是自身ap获取的私网地址：

**<AC>dis wlan ap name 083a-38c5-xxxx address**

AP name	IP address	MAC address
083a-38c5-xxxx	20.129.148.66	083a-38c5-xxxx

## 过程分析

1、查看设备配置信息, 暂未发现不正常

```
wlan ap-group default-group
priority 7 //主备AC配置
wlan tunnel-preempt enable
backup-ac ip 10.23.213.XX
```

2、查看ap获取的ac地址,发现option43属性下发正常

```
<083a-38c5-xxxx>dis dhcp client verbose
Vlan-interface1 DHCP client information:
Current state: BOUND
Allocated IP: 20.129.148.66 255.255.255.192
Allocated lease: 86400 seconds, T1: 36669 seconds, T2: 75600 seconds
Lease from Oct 27 03:58:50 2021 to Oct 28 03:58:50 2021
DHCP server: 20.129.148.126
Transaction ID: 0x65b32ba0
Default router: 20.129.148.126
Boot servers: 114.141.172.xx 140.207.160.xx
Client ID type: mac-address(type value=01)
Client ID value: 083a-38c5-9700
Client ID (with type) hex: 0108-3a38-c597-00
T1 will timeout in 0 days 4 hours 20 minutes 7 seconds
```

3、ap的log日志信息, 发现ap回去找主备ac的私网地址上线

```
%Oct 20 06:50:28:059 2021 083a-38c5-9700 CWC/6/CWC_AP_UP: Master CAPWAP tunnel to A
C 10.23.213.136 went up.
%Oct 20 06:50:28:666 2021 083a-38c5-9700 CWC/6/CWC_AP_UP: Backup CAPWAP tunnel to A
C 10.23.213.135 went up.
%Oct 20 06:55:28:210 2021 083a-38c5-9700 CWC/4/CWC_AP_DOWN: Master CAPWAP tunnel t
o AC 10.23.213.136 went down. Reason: Backup tunnel changed to master tunnel.
%Oct 20 06:55:30:229 2021 083a-38c5-9700 CWC/6/CWC_AP_UP: Master CAPWAP tunnel to A
C 10.23.213.135 went up.
%Oct 20 06:55:30:819 2021 083a-38c5-9700 CWC/6/CWC_AP_UP: Backup CAPWAP tunnel to A
C 10.23.213.136 went up.
```

## 解决方法

最终确认，配置了1+1备份导致的。

```
wlan ap-group default-group
```

```
priority 7
```

```
wlan tunnel-preempt enable
```

```
backup-ac ip 10.23.213.xx //配了这个命令，ac 会告诉ap 去找这个ip地址注册
```

```
vlan 1
```

所以现场做主备ac，这个现象是正常的。可以把这个地址直接指向公网，不会导致业务中断，可直接操作，现场已验证。

