

# 知 AP无法注册上线

wlan接入 zhiliao\_ua4bPm 2023-03-10 发表

## 问题描述

二层本地转发，AP无法注册上线，在AC上看到AP获取到了ip地址，但是AC ping 不通AP

```
<AC-1>dis wlan ap all ad
Total number of APs : 30
Total number of connected APs : 25
Total number of connected manual APs : 25
Total number of connected auto APs : 0
Total number of inside APs : 0

AP name                IP address            MAC address
bcd0-eb73-44c0         10.1.11.69            bcd0-eb73-44c0
bcd0-eb73-7d80         10.1.11.72            bcd0-eb73-7d80
bcd0-eb73-7da0         10.1.11.79            bcd0-eb73-7da0
bcd0-eb73-7de0         10.1.11.80            bcd0-eb73-7de0
bcd0-eb73-85a0         N/A                   N/A
bcd0-eb73-8700         N/A                   N/A
bcd0-eb73-8720         10.1.11.62            bcd0-eb73-8720
bcd0-eb73-87a0         10.1.11.64            bcd0-eb73-87a0
bcd0-eb73-8800         10.1.11.52            bcd0-eb73-8800
bcd0-eb73-89c0         10.1.11.70            bcd0-eb73-89c0
bcd0-eb73-8c60         10.1.11.61            bcd0-eb73-8c60
bcd0-eb73-91c0         N/A                   N/A
bcd0-eb73-91e0         10.1.11.60            bcd0-eb73-91e0
bcd0-eb73-9300         N/A                   N/A
bcd0-eb73-9360         10.1.11.66            bcd0-eb73-9360
bcd0-eb73-9c80         10.1.11.59            bcd0-eb73-9c80

<AC-1>ping 10.1.11.69
Ping 10.1.11.69 (10.1.11.69): 56 data bytes, press CTRL_C to break
Request time out
Request time out

--- Ping statistics for 10.1.11.69 ---
3 packet(s) transmitted, 0 packet(s) received, 100.0% packet loss
<AC-1>ping 10.1.11.80
Ping 10.1.11.80 (10.1.11.80): 56 data bytes, press CTRL_C to break

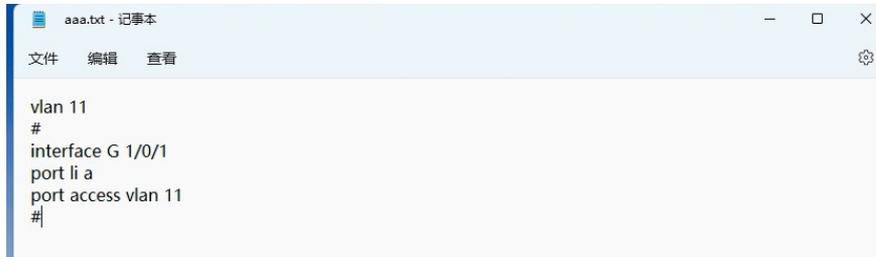
--- Ping statistics for 10.1.11.80 ---
1 packet(s) transmitted, 0 packet(s) received, 100.0% packet loss
<AC-1>ping 10.1.11.59
Ping 10.1.11.59 (10.1.11.59): 56 data bytes, press CTRL_C to break

--- Ping statistics for 10.1.11.59 ---
```

查看AP掉线原因，  
display wlan ap statistics tunnel-down-record，  
Neighbor dead timer expired：邻居报告定时器超时，  
怀疑是链路不稳定，POE下联终端，终端ping 1000个包到AC无丢包情况，

## 解决方法

查看map文件，发现map配置有问题，因为AP是用vlan 1获取管理地址和AC建立capwap隧道的，AP vlan 1获取ip地址后正常上线后，AC会下发map文件，AP上连口被修改为access vlan 11，没有放通vlan 1，导致AP的vlan 1接口down，无法与AC正常通信，AP因此掉线，然后重复此过程，用户看到的结果就是AP一直重复上下线。修改map文件中接口放通的vlan后，AP正常上线且稳定在线运行



```
aaa.txt - 记事本
文件 编辑 查看
vlan 11
#
interface G 1/0/1
port li a
port access vlan 11
#
```

