

知 AP无法注册上线

wlan接入

AP管理

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2018-12-10 发表

组网及说明

无

问题描述

AP进行三层注册。AP上手动配置了地址，指定ac地址，并且能够ping通。在AC上看，AP状态卡在L上无法注册

过程分析

在AP上看，配置了wlan ac ip 10.59.100.253，经测试可以ping通AC。

AC上启用了DHCP，并制定了OPTION 43

```
# dhcp server ip-pool KLB-XLY
gateway-list 10.59.1.254
network 10.59.1.0 mask 255.255.255.0
dns-list 61.134.1.4
option 43 ip-address 10.59.100.253
```

因为没有从DHCP获取地址，所以没有将OPTION 43删除。

现场AC上还有配置如下

```
wlan ap-group default-group
vlan 1
# wlan ap 5320 model WA5320-SI
serial-id 219801A1B3818BE006XZ
firmware-upgrade enable
tunnel encryption enable
vlan 1
radio 1 radio enable
service-template 1 vlan 10
radio 2
radio enable
service-template 1 vlan 20
gigabitethernet 1
```

现场反馈将同一型号的另一台AP配置后一样无法注册上线。

```
#
wlan ap 5320-1 model WA5320-SI
serial-id 219801A1B3818BE006YP
vlan 1
radio 1
radio enable
service-template 1 vlan 10
radio 2
radio enable
service-template 1 vlan 10
gigabitethernet 1
```

从AC和AP上debug wlan capwap all all 看，AC和AP上都有收发discover和request报文，但是没有下一步的join报文的收发。

AP上debug信息

```
*Jan 1 00:01:43:803 2016 H3C CWC/7/SND_PKT: Sent discovery request with SeqNum 0 to AC 10.59.100.253:5246.
```

```
*Jan 1 00:01:43:803 2016 H3C CWC/7/SND_PKT: Verbose info for discovery request sent to AC 10.59.100.253:5246, length=160.
```

AC上debug 信息

```
*Dec 5 14:51:54:102 2018 H3C CWS/7/RCV_PKT: Received discovery request from AP: IP address=10.59.1.10, MAC address=7c1e-061e-2140, serial ID=219801A1B3818BE006XZ, AP name=5320, model=WA5320-SI, last IP=.
```

```
*Dec 5 14:51:54:105 2018 H3C CWS/7/EVENT: Filling AC Descriptor TLV. LicenseType[1] MaxSupportNum[128] JoinCount[0].
```

```
*Dec 5 14:51:54:106 2018 H3C CWS/7/SND_PKT: Sent discovery response with SeqNum 0 to AP at 10.59.1.10:45239.
```

*Dec 5 14:51:54:106 2018 H3C CWS/7/SND_PKT: Sent discovery response to AP at 10.59.1.10:45239, Length=128.

解决方法

将下列配置删除

option 43 ip-address 10.59.100..253

firmware-upgrade enable

tunnel encryption enable

并将模板里面配置删除，只留序列号后，AP可以正常上线。

遇到AP无法上线的问题，可以将多余配置全部删除，只留最基本的配置进行测试