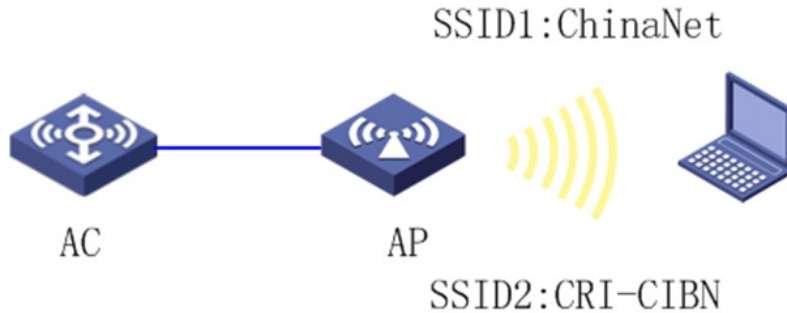


## 知 WA系列AP射频卡绑定两个服务模板只能搜索到第一个SSID问题处理方法

wlan接入 wlan射频 李洋洋 2015-10-20 发表

WX5004下挂5台WA2612 AP, 客户反馈在WA2612射频卡下绑定两个服务模板, 但是现场PC只能搜索到第一个SSID(ChinaNet), WX5004下挂所有AP均无法搜索到第二个SSID(CRI-CIBN)。客户更换终端替换测试, 仍然无法搜索到第二个SSID(CRI-CIBN)。



本经验案例中的AC使用的是WX5004无线控制器, AP使用的是WX2612。

1、查看客户WX5004上面配置, 发现所有AP均为自动注册。

```
#
wlan auto-ap enable
#
wlan ap zhidong model WA2612 id 3
serial-id auto
radio 1
service-template 1
service-template 2
radio enable
#
[H3C]dis wlan ap all
Total Number of APs configured      : 1
Total Number of configured APs connected : 0
Total Number of auto APs connected   : 90
AP Profiles
State : I = Idle, J = Join, JA = JoinAck, IL = ImageLoad
      C = Config, R = Run, KU = KeyUpdate, KC = KeyCfm
```

```
-----
AP Name          State Model      Serial-ID
-----
zhidong_0033     R/M WA2612      219801A0CJC124000730
zhidong_0034     R/M WA2612      219801A0CJC124000489
zhidong          I  WA2612      auto
zhidong_0035     R/M WA2612      219801A0CJC124000696
zhidong_0025     R/M WA2612      219801A0CJC124000136
zhidong_0036     R/M WA2612      219801A0CJC124001674
-----
```

2、通过命令display wlan ap all verbose, 同时, 在AP隐藏视图下通过命令display ar5drv 1 bss all

查看AP射频卡下面只有一个BSS。

AP Profile: zhidong\_0036 (auto)

-----  
APID : 6  
AP System Name : Not Configured  
Map Configuration : Not Configured  
State : Run  
Up Time(hh:mm:ss) : 7 Days, 05:44:56

Model : WA2612  
Serial-ID : 219801A0CJC124001674  
IP Address : 10.101.4.32

H/W Version : Ver.E  
S/W Version : V100R003B03D018  
Boot-Rom Version : 1.06  
Description : Not Configured

Connection Type : Master  
Peer AC MAC Address : -NA-  
Priority Level : 4  
Echo Interval(s) : 10  
Statistics report Interval(s) : 50

Cir(Kbps) : -NA-  
Cbs(Bytes) : -NA-

Jumboframe Threshold : Disable

Transmitted control packets : 233679  
Received control packets : 233666  
Transmitted data packets : 1286209  
Received data packets : 131382

Configuration Failure Count : 0  
Last Failure Reason :

Last Reboot Reason : Tunnel Initiated

Latest IP Address : -NA-

Tunnel Down Reason : -NA-

Connection Count : 1

-----  
AP Mode : Split

AP operation mode : Normal

Portal Service : Disable

Device Detection : Disable

Maximum Number of Radios : 1

Current Number of Radios : 1

Client Keep-alive Interval : Disable

Client Idle Interval(s) : 3600

Broadcast-probe Reply Status : Enable

Radio 1:

Basic BSSID : 5866-baea-6e60

Current BSS Count : 1

Running Clients Count : 0

Wireless Mode : 11gn

Client Dot11n-only : Disabled

Channel Band-width : 20MHz

Secondary Channel Offset : SCN

HT Protection Mode : no protection

Short GI for 20MHz : Supported

Short GI for 40MHz : Supported

Mandatory MCS Set :

Support MCS Set : 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15

A-MSDU : Enabled

A-MPDU : Enabled

Configured Channel : auto(6)

Configured Power (dBm) : 24

Interference (%) : -NA-

Channel Load (%) : -NA-

Utilization (%) : -NA-

Co-channel Neighbor Count : -NA-

Channel Health : -NA-

Preamble Type : short

Radio Policy : default\_rp

Service Template : 1

SSID : ChinaNet

Port : WLAN-DBSS1:35

Mesh Policy : default\_mp\_plcy

ANI Support : Enable

11g Protection : Disable

Admin State : UP

Physical State : UP

Operational Rates (Mbps):

1 : mandatory

2 : mandatory

5.5 : mandatory

6 : supported

9 : supported

11 : mandatory

12 : supported

18 : supported

24 : supported

36 : supported

48 : supported

54 : supported

Radar detected Channels : None

Antenna Type : Internal Antenna

Resource Using Ratio (%) : 0

Noise Floor (dBm) : -106

-----  
[WA2612-hidecmd]dis ar5 1 bss all

[BssTable Info]:

BasicMacAddr(5866-baea-2e50) BssTblAddr(0x873e7b44) Used(1)/Total(16)

-----  
Bss BssIdx(0) MacAddr(5866-baea-2e50) Status(Run)

[Beacon Info]:

TxBcnCnt(6088830) IsDtim(Y)

BcnHwDescAddr (0xa20071c0) BcnFrmAddr (0x872f1138)

BcnSoftDescAddr(0x803fb4d0) BcnMbufAddr(0x872f0f80)

CabQLastDescAddr(0x00000000)

[Mcast DataFrm Rate]:

auto(11000KBps)

[Security Info]:

N/A

[Default Sib Info]:

TidNum InACQ MinDep Paused ACNum ACInQ BufCnt

0 0 1 0 1 0 0

1 0 1 0 0 0 0

2 0 1 0 0 0 0

3 0 1 0 1 0 0

4 0 1 0 2 0 0

5 0 1 0 2 0 0

6 0 1 0 3 0 0

7 0 1 0 3 0 0

3、经与客户沟通后，发现SSID2: CRI-CIBN是在AP自动注册完成后在AP射频接口下添加。

4、该问题最终定位为，AP完成自动注册后，尚未进行AP固化前在AP射频接口下添加服务模板，对于

已经完成注册的AP均不生效。所以终端PC无法搜索到第二个SSID(CRI-CIBN)。

- 1、在AC用户视图下通过命令reset wlan ap all使AP重新完成注册。
- 2、在AC全局视图下通过命令wlan auto-ap persistent all将AP固化后再在射频口下添加服务模板。
- 3、建议对AP采用手工注册方式完成配置下发。这样实施的优点是便于后期对于AP管理，方便后期运营维护。