

知 WX5002在本地实现同一SSID不同VLAN功能（即静态mac-vlan功能）的典型配置

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适用WX5002版本：Comware Software, Version 5.20, Release 1106P01

一、组网需求

WX5002、WA2110、H3C POE交换机、便携机（安装有11b/g无线网卡）

二、组网图



WX5002的IP地址为192.168.1.9。

交换机为三层交换机，WA2110在VLAN 1，交换机与WX5002之间为Trunk，通过VLAN 1、2、3。

VLAN1、2、3的接口地址分别是192.168.1.254、192.168.2.254和192.168.3.254。

本例中WA2110的序列号为210235A22W0077000088。

SSID的名称为**H3C-mac-vlan**。

无线客户端A的MAC地址为0019-d221-a8d6，此客户端连接“H3C-mac-vlan”后属于vlan 2，获取192.168.2.0/24网段地址。

无线客户端B的MAC地址为0016-6f6d-ccdb，此客户端连接“H3C-mac-vlan”后属于vlan 3，获取192.168.3.0/24网段地址。

三、WX交换机的典型配置

```
#
version 5.20, Release 1106P01
#
sysname H3C
#
mac-vlan mac-address 0019-d221-a8d6 vlan 2 priority 0
mac-vlan mac-address 0016-6f6d-ccdb vlan 3 priority 0
#
domain default enable system
#
vlan 1
#
vlan 2 to 3
#
domain system
access-limit disable
state active
idle-cut disable
self-service-url disable
#
dhcp server ip-pool 1
network 192.168.1.0 mask 255.255.255.0
gateway-list 192.168.1.254
expired day 3
#
dhcp server ip-pool 2
network 192.168.2.0 mask 255.255.255.0
```

```

gateway-list 192.168.2.254
expired day 3
#
dhcp server ip-pool 3
network 192.168.3.0 mask 255.255.255.0
gateway-list 192.168.3.254
expired day 3
#
wlan rrm
dot11a mandatory-rate 6 12 24
dot11a supported-rate 9 18 36 48 54
dot11b mandatory-rate 1 2
dot11b supported-rate 5.5 11
dot11g mandatory-rate 1 2 5.5 11
dot11g supported-rate 6 9 12 18 24 36 48 54
#
wlan service-template 1 clear
ssid H3C-mac-vlan
bind WLAN-ESS 1
authentication-method open-system
service-template enable
#
interface NULL0
#
interface Vlan-interface1
ip address 192.168.1.9 255.255.255.0
#
interface Vlan-interface2
ip address 192.168.2.9 255.255.255.0
#
interface Vlan-interface3
ip address 192.168.3.9 255.255.255.0
#
interface GigabitEthernet1/0/1
port link-type trunk
port trunk permit vlan all
#
interface GigabitEthernet1/0/2
#
interface M-Ethernet1/0/1
#
interface WLAN-ESS1
port link-type hybrid
port hybrid vlan 1 to 3 untagged
mac-vlan enable
#
wlan ap ap1 model WA2100
serial-id 210235A22W0077000088
radio 1
service-template 1
radio enable
#
ip route-static 0.0.0.0 0.0.0.0 192.168.1.254
#
dhcp enable
#
user-interface aux 0
user-interface vty 0 4
#
return

```

四、验证结果

无线客户端A的MAC地址为0019-d221-a8d6，此客户端连接“H3C-mac-vlan”后属于vlan2，获取192.168.2.0/24网段地址。无线客户端B的MAC地址为0016-6f6d-ccdb，此客户端连接“H3C-mac-vlan”后属于vlan3，获取192.168.3.0/24网段地址。

