

## 组网及说明

### 1.1 适用产品系列

本案例适用于WAC380、WAC381、MSG系列的AC。

### 1.2 配置需求及实现的效果

AC作为DHCP服务器为无线客户端分配IP地址。AP发射两个无线信号，SSID分别为“test”和“service”。当无线客户端连接到“test”时，获取到192.168.10.0/24网段的IP地址，当无线客户端连接到“service”时，获取到192.168.20.0/24网段的IP地址，本案例以AP已成功注册为前提。

#完成AP上线具体操作参考《开局配置》二/三层注册及无线加密配置

本案例需要使用配置线登录设备Console口进行配置。具体操作参考《Console登录方法》。

## 2 组网图



## 配置步骤

### 3.1 创建无线业务网段

#进入系统视图

```
<H3C>system-view
```

System View: return to User View with Ctrl+Z.

#创建业务VLAN10，并配置VLAN虚接口地址192.168.10.1作为无线“test”客户端的网关地址

```
[H3C]vlan 10
```

```
[H3C-vlan10] interface Vlan-interface 10
```

```
[H3C-Vlan-interface10]ip address 192.168.10.1 255.255.255.0
```

#创建业务VLAN20，并配置VLAN虚接口地址192.168.20.1作为无线“service”客户端的网关地址

```
[H3C]vlan 20
```

```
[H3C-vlan20] interface Vlan-interface 20
```

```
[H3C-Vlan-interface20]ip address 192.168.20.1 255.255.255.0
```

```
[H3C-Vlan-interface20]quit
```

### 3.2 配置DHCP服务，给无线客户端分配地址

#全局开启dhcp功能

```
[H3C]dhcp enable
```

#配置地址池1

```
[H3C]dhcp server ip-pool 1
```

#分配192.168.10.0/24网段地址，网关为192.168.10.1，dns服务器地址为114.114.114.114

```
[H3C-dhcp-pool-1]network 192.168.10.0 mask 255.255.255.0
```

```
[H3C-dhcp-pool-1]gateway-list 192.168.10.1
```

```
[H3C-dhcp-pool-1]dns-list 114.114.114.114
```

```
[H3C-dhcp-pool-1]quit
```

#配置地址池2

```
[H3C]dhcp server ip-pool 2
```

#分配192.168.20.0/24网段地址，网关为192.168.20.1，dns服务器地址为114.114.114.114

```
[H3C-dhcp-pool-2]network 192.168.20.0 mask 255.255.255.0
```

```
[H3C-dhcp-pool-2]gateway-list 192.168.20.1
```

```
[H3C-dhcp-pool-2]dns-list 114.114.114.114
```

```
[H3C-dhcp-pool-2]quit
```

### 3.3 配置两个无线加密服务模板

#开启端口安全

```
[H3C]port-security enable
```

#配置创建无线服务模板1，SSID为test

```
[H3C] wlan service-template 1
```

```
[H3C-wlan-st-1] ssid test
```

#配置接入该SSID的无线客户端属于vlan10

```
[H3C-wlan-st-1] vlan 10
```

```
# 配置AKM为PSK，配置PSK密钥，使用明文的字符串12345678作为共享密钥。
[H3C-wlan-st-1] akm mode psk
[H3C-wlan-st-1] preshared-key pass-phrase simple 12345678
# 配置CCMP为加密套件，配置WPA2为安全信息元素。
[H3C-wlan-st-1] cipher-suite ccmp
[H3C-wlan-st-1] security-ie rsn
# 使能无线服务模板。
[H3C-wlan-st-1] service-template enable
[H3C-wlan-st-1] quit
# 配置创建无线服务模板2，SSID为service
[H3C] wlan service-template 2
[H3C-wlan-st-2] ssid service
# 配置接入该SSID的无线客户端属于vlan20，配置AKM为PSK，配置PSK密钥，使用明文的字符串12345678作为共享密钥，配置CCMP为加密套件，配置WPA2为安全信息元素。
[H3C-wlan-st-2] vlan 20
[H3C-wlan-st-2] akm mode psk
[H3C-wlan-st-2] preshared-key pass-phrase simple 12345678
[H3C-wlan-st-2] cipher-suite ccmp
[H3C-wlan-st-2] security-ie rsn
# 使能无线服务模板。
[H3C-wlan-st-2] service-template enable
[H3C-wlan-st-2] quit
3.4 配置AP绑定无线加密服务模板
# 进入AP射频口绑定两个服务模板并且开启射频。
[H3C] wlan ap ap1
[H3C-wlan-ap-ap1] radio 1
[H3C-wlan-ap-ap1-radio-1] service-template 1
[H3C-wlan-ap-ap1-radio-1] service-template 2
[H3C-wlan-ap-ap1-radio-1] radio enable
[H3C-wlan-ap-ap1-radio-1] quit
[H3C-wlan-ap-ap1] radio 2
[H3C-wlan-ap-ap1-radio-2] service-template 1
[H3C-wlan-ap-ap1-radio-2] service-template 2
[H3C-wlan-ap-ap1-radio-2] radio enable
[H3C-wlan-ap-ap1-radio-2] quit
[H3C-wlan-ap-ap1] quit
3.5 保存配置
[H3C] save force
```

配置关键点