

## 组网及说明

### 1.1 适用产品系列

本手册适用于如下产品：支持11ac协议的V5平台fat模式的ap，包含：WAP712C、WAP722S、WA4300系列、WA4600系列、WA3600系列、WA2600i系列、WA2600系列、WA2110-GN等。

设备默认管理地址是192.168.0.50，登录账号是admin/h3capadmin。

### 1.2 配置需求及实现的效果

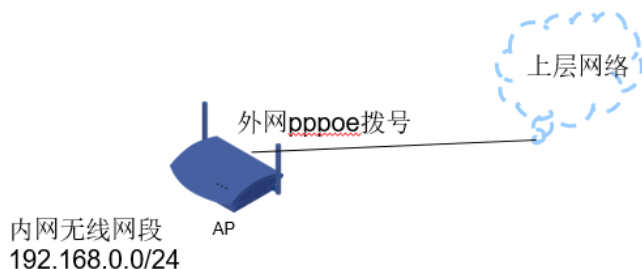
本案例介绍如何通过命令行给WAP722S配置自动获取地址上网。

假设WAP722S 以太网口连接上层网络，分配地址如下：

上联地址	网关	DNS
dhcp获取	-----	-----
内网网段	内网网关	DNS
192.168.0.0/24	192.168.0.50/24	114.114.114.114

AP发射无线信号让无线终端连接并获取地址上网。无线PC自动获取192.168.0.0/24网段，网关为vlan1口地址192.168.0.50，DNS服务器地址为114.114.114.114。

### 1.3 组网图



外网ip vlan2：外网口dhcp自动获取

内网ip vlan1：192.168.0.50/24

## 配置步骤

### 1.1 配置步骤

#### 1. 外网接口IP地址配置

# 创建vlan2，将物理G1/0/1口加入vlan2，配置外网网ip地址，选择dhcp自动的方式获取。

注意：该GigabitEthernet 1/0/1不接电脑，否则会导致电脑无法继续登录管理设备

```
[H3C]vlan 2
[H3C-vlan2]port GigabitEthernet 1/0/1
[H3C-vlan2]quit
[H3C]interface Vlan-interface 2
[H3C-Vlan-interface2]ip address dhcp-alloc
[H3C-Vlan-interface2]quit
```

#### 2. 配置NAT功能，实现内网无线客户端上外网

```
[H3C] interface Vlan-interface 2
[H3C-Vlan-interface2]nat outbound
[H3C-Vlan-interface2]quit
```

#### 3. 配置DHCP服务地址池

名字是1，分配192.168.0.0/24网段，分配网关和DNS服务器地址，网关是192.168.0.50，DNS服务器地址是114.114.114.114，实现给内网无线客户端下发ip和dns

```
[H3C]dhcp enable
[H3C]dhcp server ip-pool 1
[H3C-dhcp-pool-1] network 192.168.0.0 24
[H3C-dhcp-pool-1] gateway-list 192.168.0.50
[H3C-dhcp-pool-1] dns-list 114.114.114.114
[H3C-dhcp-pool-1] quit
```

#### 4. 配置无线服务

# 开启端口安全功能，创建Bss口设置无线密码12345678和无线客户端所在VLAN1。

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

```
[H3C]interface wlan-bss 1
```

```
[H3C-WLAN-BSS1]port-security port-mode psk
```

```
[H3C-WLAN-BSS1]port-security preshared-key pass-phrase simple 12345678
```

```
[H3C-WLAN-BSS1]port-security tx-key-type 11key
```

```
[H3C-WLAN-BSS1]port access vlan 1
```

```
[H3C-WLAN-BSS1]quit
```

```
[H3C]interface wlan-bss 2
```

```
[H3C-WLAN-BSS2]port-security port-mode psk
```

```
[H3C-WLAN-BSS2]port-security preshared-key pass-phrase simple 12345678
```

```
[H3C-WLAN-BSS2]port-security tx-key-type 11key
```

```
[H3C-WLAN-BSS2]port access vlan 1
```

```
[H3C-WLAN-BSS2]quit
```

# 设置无线服务模板，设置SSID为psktest并启用。

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

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

```
[H3C-wlan-st-1]security-ie rsn
```

```
[H3C-wlan-st-1]cipher-suite ccmp
```

```
[H3C-wlan-st-1]authentication-method open-system
```

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

```
[H3C-wlan-st-1]quit
```

# 进入无线radio口绑定服务模板。

```
[H3C]interface wlan-radio1/0/1
```

```
[H3C-WLAN-Radio1/0/1]service-template 1 interface wlan-bss 1
```

```
[H3C]interface wlan-radio1/0/2
```

```
[H3C-WLAN-Radio1/0/2]service-template 1 interface wlan-bss 2
```

```
[H3C-WLAN-Radio1/0/2]quit
```

#### 5. 保存配置

```
[H3C]save force
```

配置关键点