

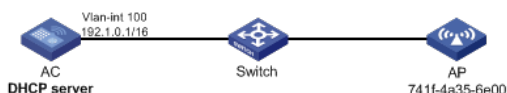
本文档介绍自动AP配置举例。

本文档不严格与具体软、硬件版本对应，如果使用过程中与产品实际情况有差异，请参考相关产品手册，或以设备实际情况为准。

本文档中的配置均是在实验室环境下进行的配置和验证，配置前设备的所有参数均采用出厂时的缺省配置。如果您已经对设备进行了配置，为了保证配置效果，请确认现有配置和以下举例中的配置不冲突。

本文档假设您已了解自动AP功能。

如图1所示，AC作为DHCP服务器为AP分配IP地址，现要求使用自动AP功能，实现AP与AC自动关联，并且在关联后将AP转化为固化AP。



1.1 配置步骤

1.1.1 AC的配置

(1) 配置AC的接口

创建VLAN 100及其对应的VLAN接口，并为该接口配置IP地址。AP将获取该IP地址与AC建立CAPWAP隧道。

```
system-view
[AC] vlan 100
[AC-vlan100] quit
[AC] interface vlan-interface 100
[AC-Vlan-interface100] ip address 192.1.0.1 16
[AC-Vlan-interface100] quit
# 将与Switch相连的接口GigabitEthernet1/0/1的链路类型配置为Trunk，禁止VLAN 1通过，允许VLAN 100通过，当前Trunk口的PVID为100。
[AC] interface gigabitethernet 1/0/1
[AC-GigabitEthernet1/0/1] port link-type trunk
[AC-GigabitEthernet1/0/1] port trunk pvid vlan 100
[AC-GigabitEthernet1/0/1] undo port trunk permit vlan 1
[AC-GigabitEthernet1/0/1] port trunk permit vlan 100
[AC-GigabitEthernet1/0/1] quit
```

(2) 配置DHCP功能

```
# 开启DHCP服务。
[AC] dhcp enable
# 配置DHCP地址池1为AP动态分配的网段为192.1.0.0/16，网关地址为192.1.0.1。
[AC] dhcp server ip-pool 1
[AC-dhcp-pool-1] network 192.1.0.0 16
[AC-dhcp-pool-1] gateway-list 192.1.0.1
[AC-dhcp-pool-1] quit
```

(3) 配置自动AP功能

```
# 开启自动AP功能。
[AC] wlan auto-ap enable
# 开启自动AP自动固化功能。
[AC] wlan auto-persistent enable
```

1.1.2 Switch的配置

创建VLAN 100，用于转发AC和AP间CAPWAP隧道内的流量。

```
system-view
[Switch] vlan 100
[Switch-vlan100] quit
# 配置Switch与AC相连的GigabitEthernet1/0/1接口的属性为Trunk，禁止VLAN 1通过，允许VLAN
```

N 100通过, 当前Trunk口的PVID为100。

```
[Switch] interface gigabitethernet 1/0/1
[Switch-GigabitEthernet1/0/1] port link-type trunk
[Switch-GigabitEthernet1/0/1] undo port trunk permit vlan 1
[Switch-GigabitEthernet1/0/1] port trunk permit vlan 100
[Switch-GigabitEthernet1/0/1] port trunk pvid vlan 100
[Switch-GigabitEthernet1/0/1] quit
# 配置Switch与AP相连的GigabitEthernet1/0/2接口属性为Access, 当前Access口允许VLAN
100通过。
[Switch] interface gigabitethernet 1/0/2
[Switch-GigabitEthernet1/0/2] port link-type access
[Switch-GigabitEthernet1/0/2] port access vlan 100
# 配置Switch与AP相连的GigabitEthernet1/0/2接口使能PoE功能。
[Switch-GigabitEthernet1/0/2] poe enable
[Switch-GigabitEthernet1/0/2] quit
```

1.2 验证配置

通过**display wlan ap all**命令可以看到AC与AP建立连接, AP的状态为Run。

```
[AC] display wlan ap all
Total number of APs: 1
Total number of connected APs: 1
Total number of connected manual APs: 1
Total number of connected auto APs: 0
Total number of connected anchor APs: 0
Maximum supported APs: 3072
Remaining APs: 3071
Fit APs activated by license: 512
Remaining fit APs: 511
WTUs activated by license: 500
Remaining WTUs: 500

                AP information
State : I = Idle,   J = Join,   JA = JoinAck,  IL = ImageLoad
       C = Config, DC = DataCheck, R = Run,  M = Master, B = Backup

AP name          AP ID  State  Model          Serial ID
-----
741f-4a35-6e00   1      R/M    WA4320-ACN-SI  219801A0T78156A00049
```

1.3 配置文件

```
. AC
#
dhcp enable
#
vlan 100
#
dhcp server ip-pool 1
network 192.1.0.0 mask 255.255.0.0
gateway-list 192.1.0.1
#
interface Vlan-interface100
ip address 192.1.0.1 255.255.0.0
#
interface GigabitEthernet1/0/1
port link-type trunk
undo port trunk permit vlan 1
port trunk pvid vlan 100
port trunk permit vlan 100
#
```

```
wlan auto-ap enable
wlan auto-persistent enable
#
Switch
#
vlan 100
#
interface GigabitEthernet1/0/1
port link-type trunk
undo port trunk permit vlan 1
port trunk permit vlan 100
port trunk pvid vlan 100
#
interface GigabitEthernet1/0/2
port link-type access
port access vlan 100
poe enable
#
不涉及
```