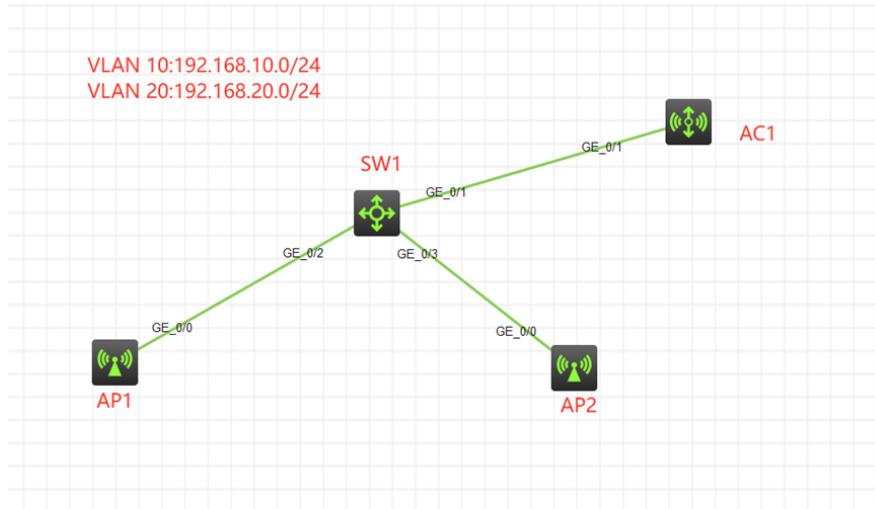


组网及说明



组网说明:

本案例采用H3C HCL模拟器的AC+AP产品来实现同AC漫游的需求。

特别说明:

- 1、本案例采用集中转发的方式。
- 2、vlan10作为AP管理用，vlan20作为无线业务接入用。
- 3、提前收集集AP1和AP2的序列号，可以查看AP表面或使用dis device manunifo命令查看。

配置思路:

- 1、按照网络拓扑图配置VLAN和IP地址。
- 2、配置AC+AP注册上线。

配置步骤

(1) SW1

```
<H3C>sys
System View: return to User View with Ctrl+Z.
[H3C]sysname SW1
[SW1]vlan 10
[SW1-vlan10]quit
[SW1]vlan 20
[SW1-vlan20]quit
[SW1]int vlan 10
[SW1-Vlan-interface10]ip address 192.168.10.1 24
[SW1-Vlan-interface10]quit
[SW1]int vlan 20
[SW1-Vlan-interface20]ip address 192.168.20.1 24
[SW1-Vlan-interface20]quit
[SW1]dhcp enable
[SW1]dhcp server ip-pool vlan10
[SW1-dhcp-pool-vlan10]network 192.168.10.0 mask 255.255.255.0
[SW1-dhcp-pool-vlan10]gateway-list 192.168.10.1
[SW1-dhcp-pool-vlan10]option 43 ip-address 192.168.10.100
[SW1-dhcp-pool-vlan10]quit
[SW1]dhcp server ip-pool vlan20
[SW1-dhcp-pool-vlan20]network 192.168.20.0 mask 255.255.255.0
[SW1-dhcp-pool-vlan20]gateway-list 192.168.20.1
[SW1-dhcp-pool-vlan20]dns-list 114.114.114.114
[SW1-dhcp-pool-vlan20]quit
[SW1]dhcp server forbidden-ip 192.168.10.100
[SW1]int range gi 1/0/2 to gi 1/0/3
[SW1-if-range]po li acc
[SW1-if-range]po acc vlan 10
```

```
[SW1-if-range]quit
[SW1]int gi 1/0/1
[SW1-GigabitEthernet1/0/1]po li tr
[SW1-GigabitEthernet1/0/1]undo po tr pe vlan 1
[SW1-GigabitEthernet1/0/1]po tr pe vlan 10 20
[SW1-GigabitEthernet1/0/1]quit
[SW1]save force
Validating file. Please wait...
Saved the current configuration to mainboard device successfully.
[SW1]
```

```
(2) AC1
<H3C>sys
System View: return to User View with Ctrl+Z.
[H3C]sysname AC1
[AC1]vlan 10
[AC1-vlan10]quit
[AC1]vlan 20
[AC1-vlan20]quit
[AC1]int vlan 10
[AC1-Vlan-interface10]ip address 192.168.10.100 24
[AC1-Vlan-interface10]quit
[AC1]ip route-static 0.0.0.0 0.0.0.0 192.168.10.1
[AC1]int gi 1/0/1
[AC1-GigabitEthernet1/0/1]po li tr
[AC1-GigabitEthernet1/0/1]undo po tr pe vlan 1
[AC1-GigabitEthernet1/0/1]po tr pe vlan 10 20
[AC1-GigabitEthernet1/0/1]quit
[AC1]wlan auto-ap enable
[AC1]wlan auto-persistent enable
[AC1]wlan global-configuration
[AC1-wlan-global-configuration]firmware-upgrade disable
[AC1-wlan-global-configuration]quit

[AC1]wlan service-template weijianing
[AC1-wlan-st-weijianing]ssid weijianing
[AC1-wlan-st-weijianing]vlan 20
[AC1-wlan-st-weijianing]client forwarding-location ac
[AC1-wlan-st-weijianing]service enable
[AC1-wlan-st-weijianing]quit
```

由于开启了AP自动上线，为了方便标识，修改AP的名称。

```
<AC1>dis wlan ap all
Total number of APs: 2
Total number of connected APs: 2
Total number of connected manual APs: 2
Total number of connected auto APs: 0
Total number of connected common APs: 2
Total number of connected WTUS: 0
Total number of inside APs: 0
Maximum supported APs: 60000
Remaining APs: 59998
Total AP licenses: 60000
Local AP licenses: 60000
Server AP licenses: 0
Remaining local AP licenses: 59998
Sync AP licenses: 0

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

AP name      APID  State Model      Serial ID
0e0d-1ff5-0300  2    R/M  WA6320-HCL  H3C_0E-0D-1F-F5-03-00
0e0d-29ad-0400  1    R/M  WA6320-HCL  H3C_0E-0D-29-AD-04-00
<AC1>
```

```
[AC1]wlan rename-ap 0e0d-1ff5-0300 AP1
[AC1]wlan rename-ap 0e0d-29ad-0400 AP2
修改完成
```

```

[AC1]dis wlan ap all
Total number of APs: 2
Total number of connected APs: 2
Total number of connected manual APs: 2
Total number of connected auto APs: 0
Total number of connected common APs: 2
Total number of connected WTUs: 0
Total number of inside APs: 0
Maximum supported APs: 60000
Remaining APs: 59998
Total AP licenses: 60000
Local AP licenses: 60000
Server AP licenses: 0
Remaining local AP licenses: 59998
Sync AP licenses: 0

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

AP_name      APTD  State Model      Serial ID
-----
AP1          2     R/M  WA6320-HCL    H3C_0E-0D-1F-F5-03-00
AP2          1     R/M  WA6320-HCL    H3C_0E-0D-29-AD-04-00

```

```

[AC1]wlan ap AP1 model WA6320-HCL
[AC1-wlan-ap-AP1]vlan 10
[AC1-wlan-ap-AP1-vlan10]quit
[AC1-wlan-ap-AP1]vlan 20
[AC1-wlan-ap-AP1-vlan20]quit
[AC1-wlan-ap-AP1]radio 1
[AC1-wlan-ap-AP1-radio-1]radio enable
[AC1-wlan-ap-AP1-radio-1]service-template weijianing vlan 20
[AC1-wlan-ap-AP1-radio-1]quit
[AC1-wlan-ap-AP1]radio 2
[AC1-wlan-ap-AP1-radio-2]radio enable
[AC1-wlan-ap-AP1-radio-2]service-template weijianing vlan 20
[AC1-wlan-ap-AP1-radio-2]quit
[AC1-wlan-ap-AP1]quit

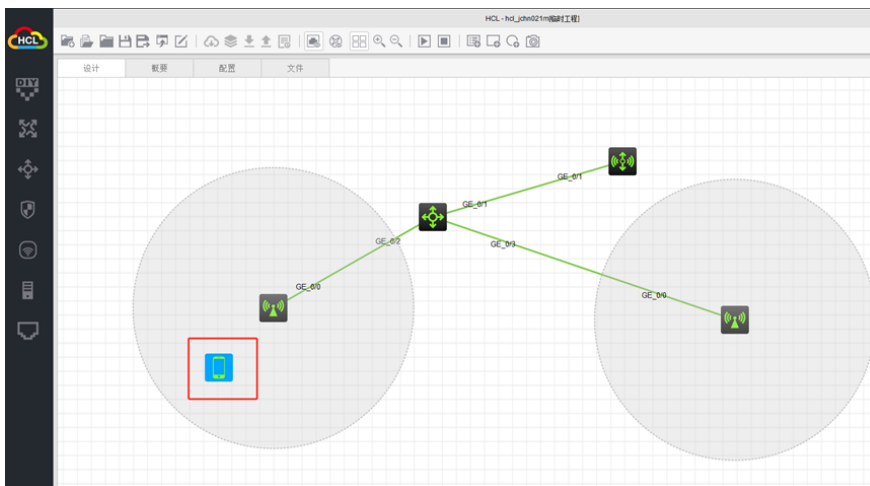
```

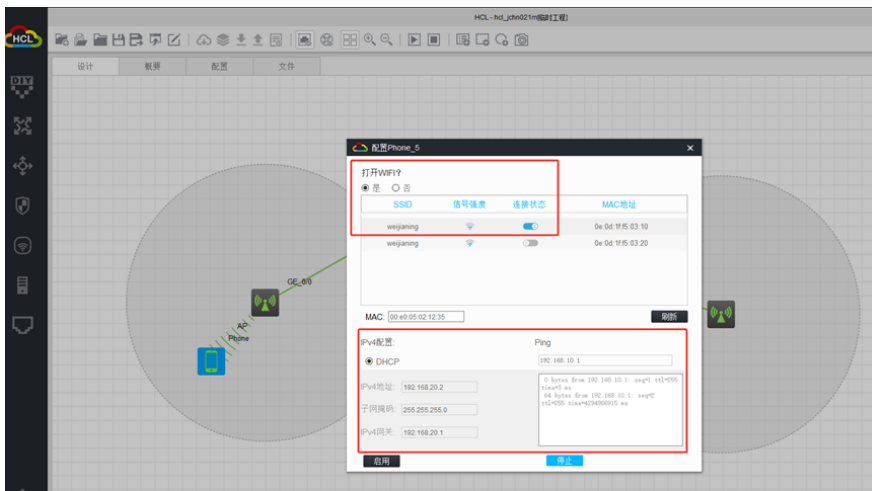
```

[AC1]wlan ap AP2 model WA6320-HCL
[AC1-wlan-ap-AP2]vlan 10
[AC1-wlan-ap-AP2-vlan10]quit
[AC1-wlan-ap-AP2]vlan 20
[AC1-wlan-ap-AP2-vlan20]quit
[AC1-wlan-ap-AP2]radio 1
[AC1-wlan-ap-AP2-radio-1]radio enable
[AC1-wlan-ap-AP2-radio-1]service-template weijianing vlan 20
[AC1-wlan-ap-AP2-radio-1]quit
[AC1-wlan-ap-AP2]radio 2
[AC1-wlan-ap-AP2-radio-2]radio enable
[AC1-wlan-ap-AP2-radio-2]service-template weijianing vlan 20
[AC1-wlan-ap-AP2-radio-2]quit
[AC1-wlan-ap-AP2]quit

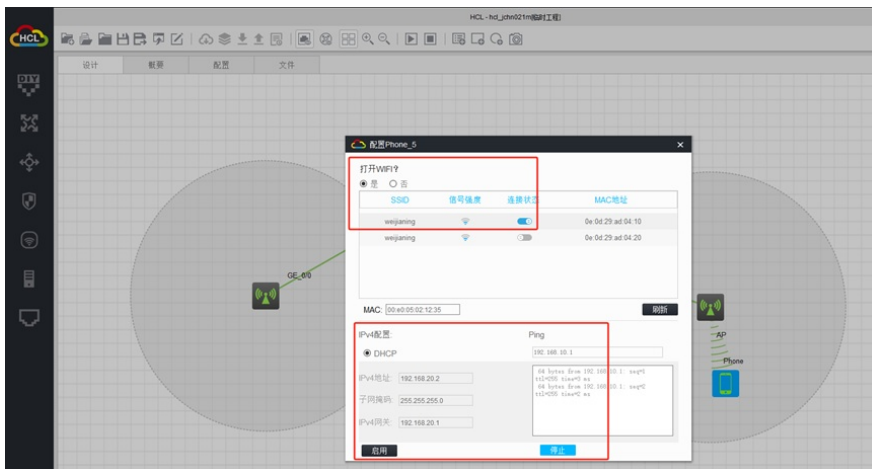
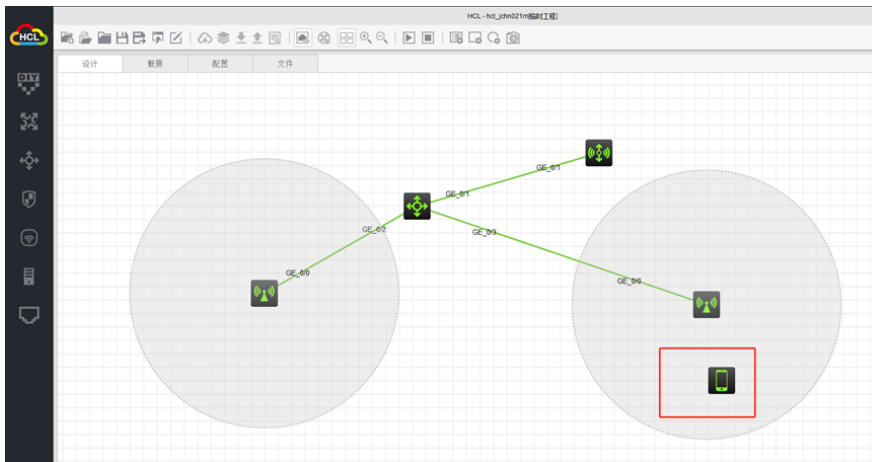
```

(3) 加入一台手机，放在AP1区域，并启动  
打开WIFI功能，连接SSID为weijianing的信号，能获得IP地址且能跨网段PING通。





(4) 将手机从AP1的区域移动到AP2的区域，也能正常连接无线和获取IP地址且能跨网段PING通。



根据手机移动并上线的情况，可以完成漫游。

至此，同AC漫游典型组网配置案例已完成！