

WLAN组网配置



学习目标

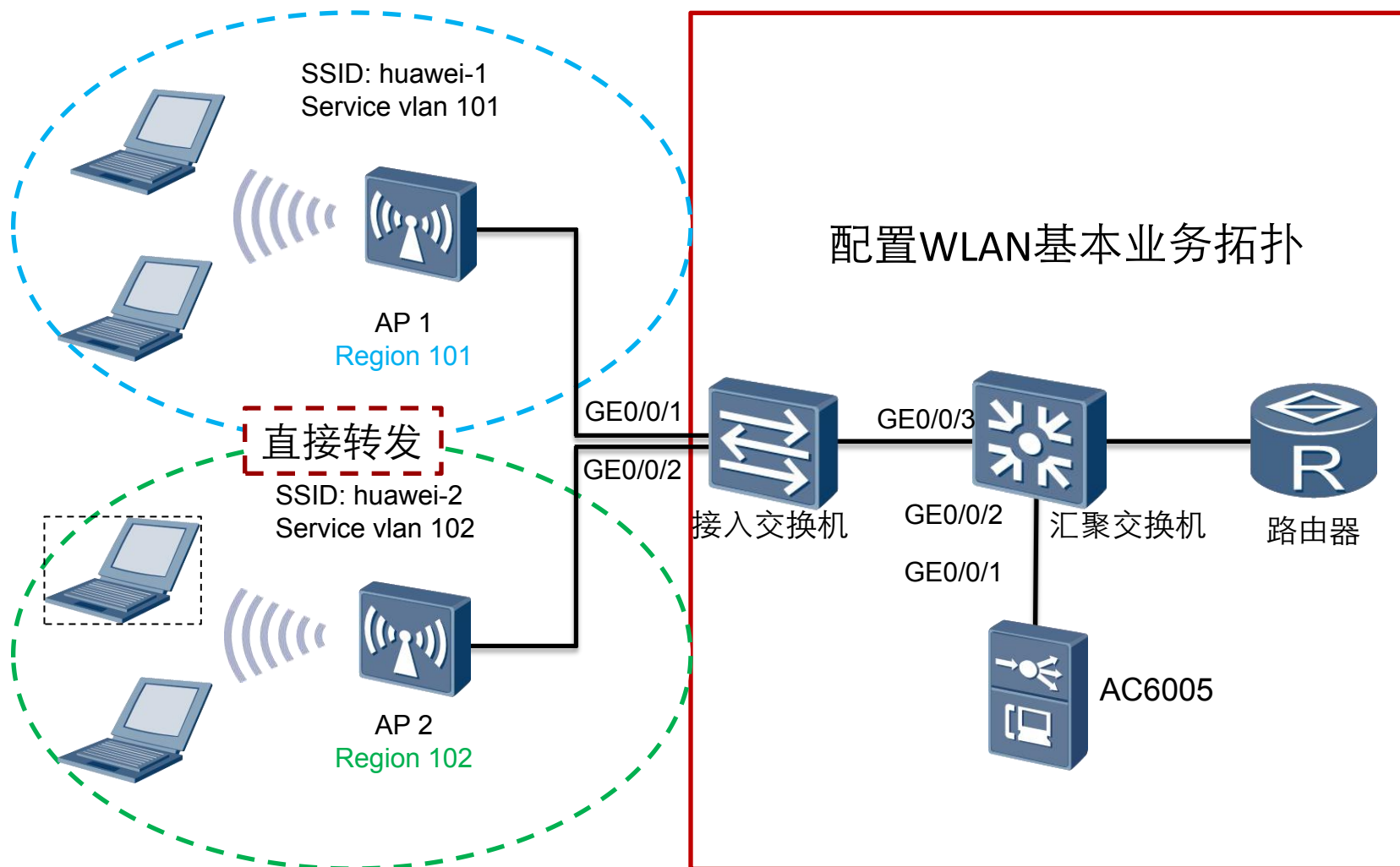
- 学完本课程后，您应该能
 - 理解华为无线控制器AC6605 WLAN业务配置流程
 - 配置华为WLAN无线控制器的基础属性



目 录

- WLAN业务配置流程

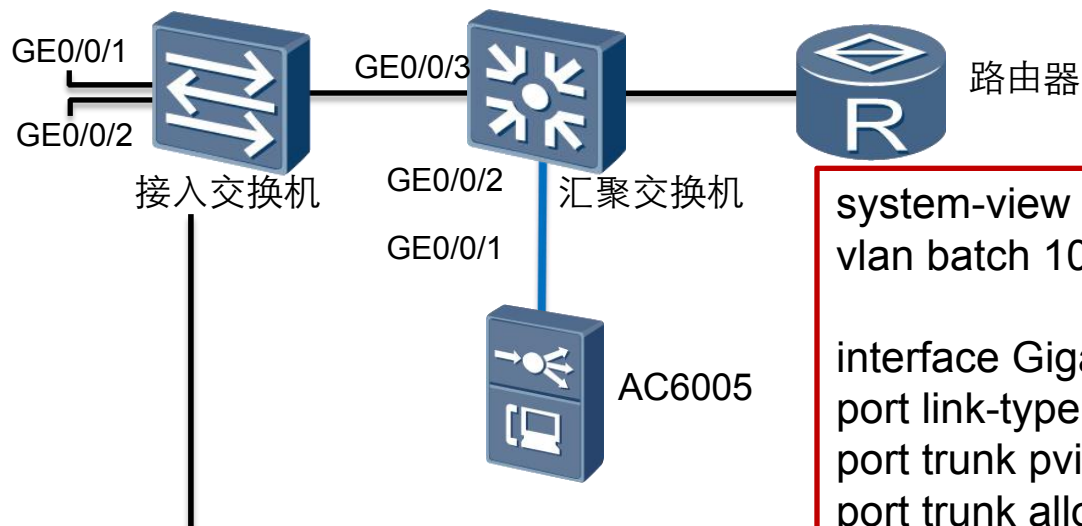
WLAN配置拓扑



WLAN数据规划表

配置项	AP1 数据	AP2 数据
WLAN服务	WEP Open-System认证，不加密。	
AP域	AP1: 101	AP2: 102
服务集	Name: Huawei-1 SSID: Huawei-1 WLAN虚接口: WLAN-ESS 0 数据转发模式: 直接转发	Name: Huawei-2 SSID: Huawei-2 WLAN虚接口: WLAN-ESS 1 数据转发模式: 直接转发
WLAN用户VLAN	AP1: VLAN101 10.1.101.0/24	AP2: VLAN102 10.1.102.0/24
VLANs on the Switch	VLAN 100/101/102	
AC carrier ID/AC ID	other/1	
AC管理IP地址	VLANIF接口地址: 10.1.100.1/24	
AP的IP地址池	10.1.100.2-10.1.100.254/24	
AP网关	10.1.100.1/24 (IP address of the AC)	
DHCP服务器	AC	

有线侧基本配置



配置二层交换机

system-view

vlan batch 100 to 102

interface GigabitEthernet 0/0/1

port link-type trunk

port trunk pvid vlan 100

port trunk allow-pass vlan 100 101

interface GigabitEthernet 0/0/2

port link-type trunk

port trunk pvid vlan 100

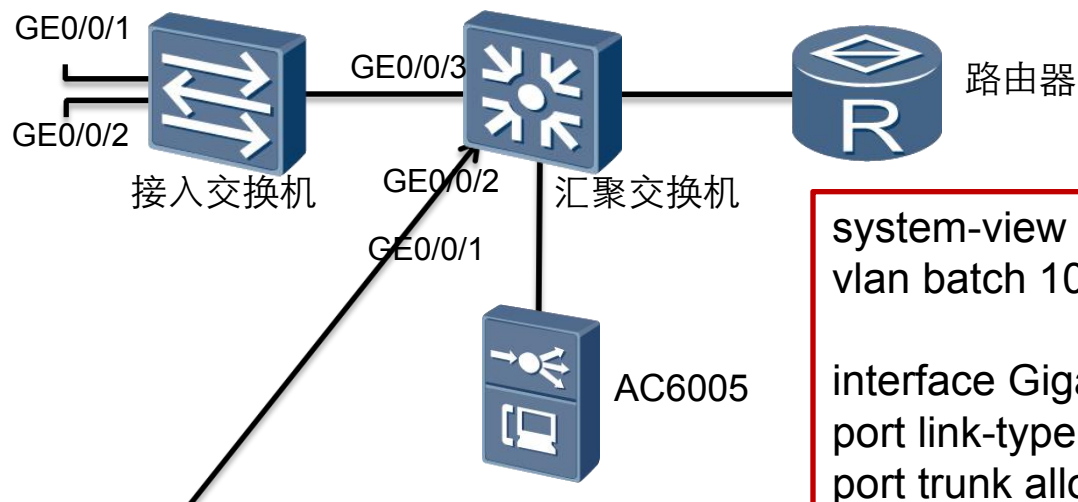
port trunk allow-pass vlan 100 102

interface GigabitEthernet 0/0/3

port link-type trunk

port trunk allow-pass vlan 100 to 102

有线侧基本配置：汇聚交换机



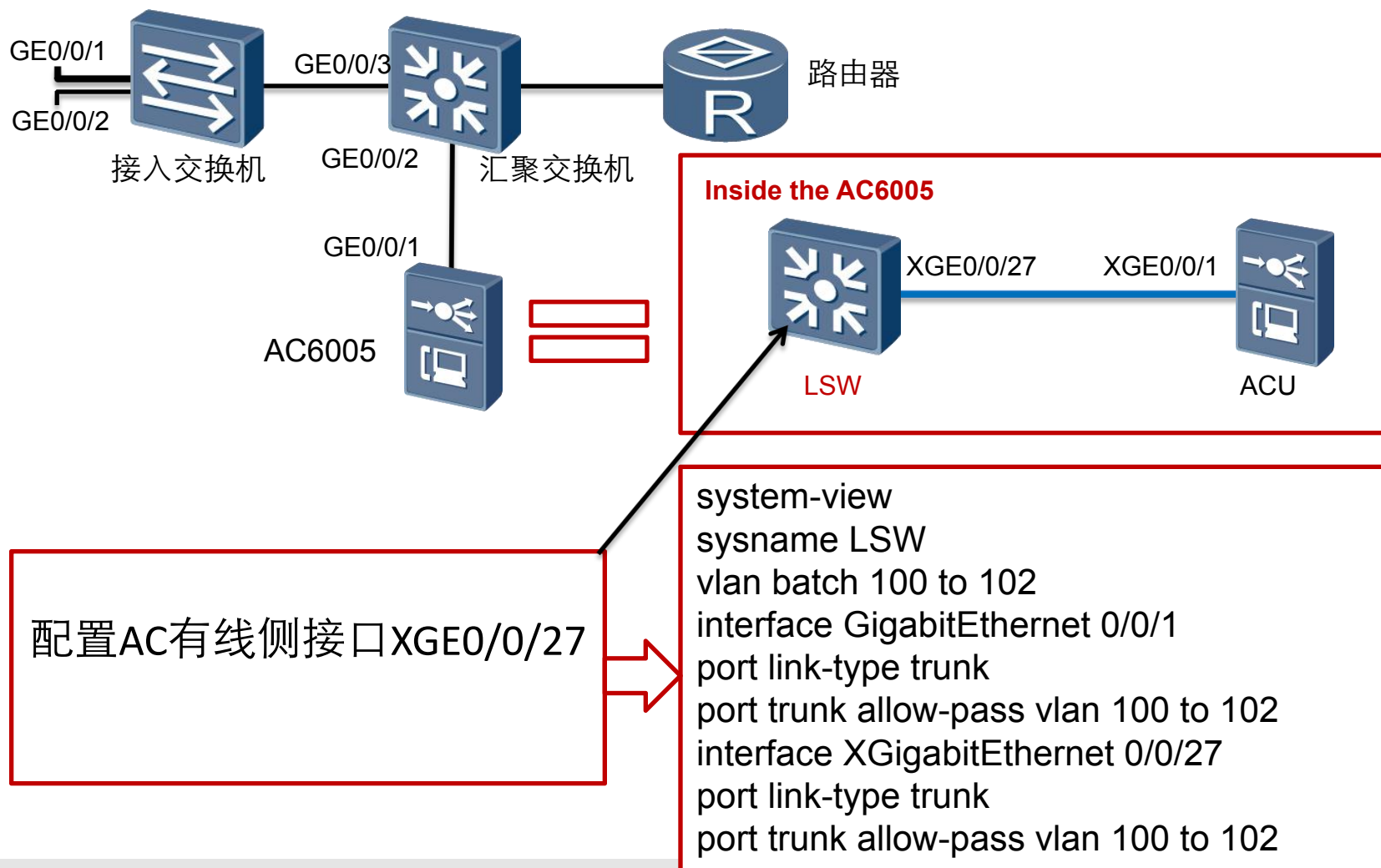
配置汇聚交换机

```
system-view
vlan batch 100 to 102

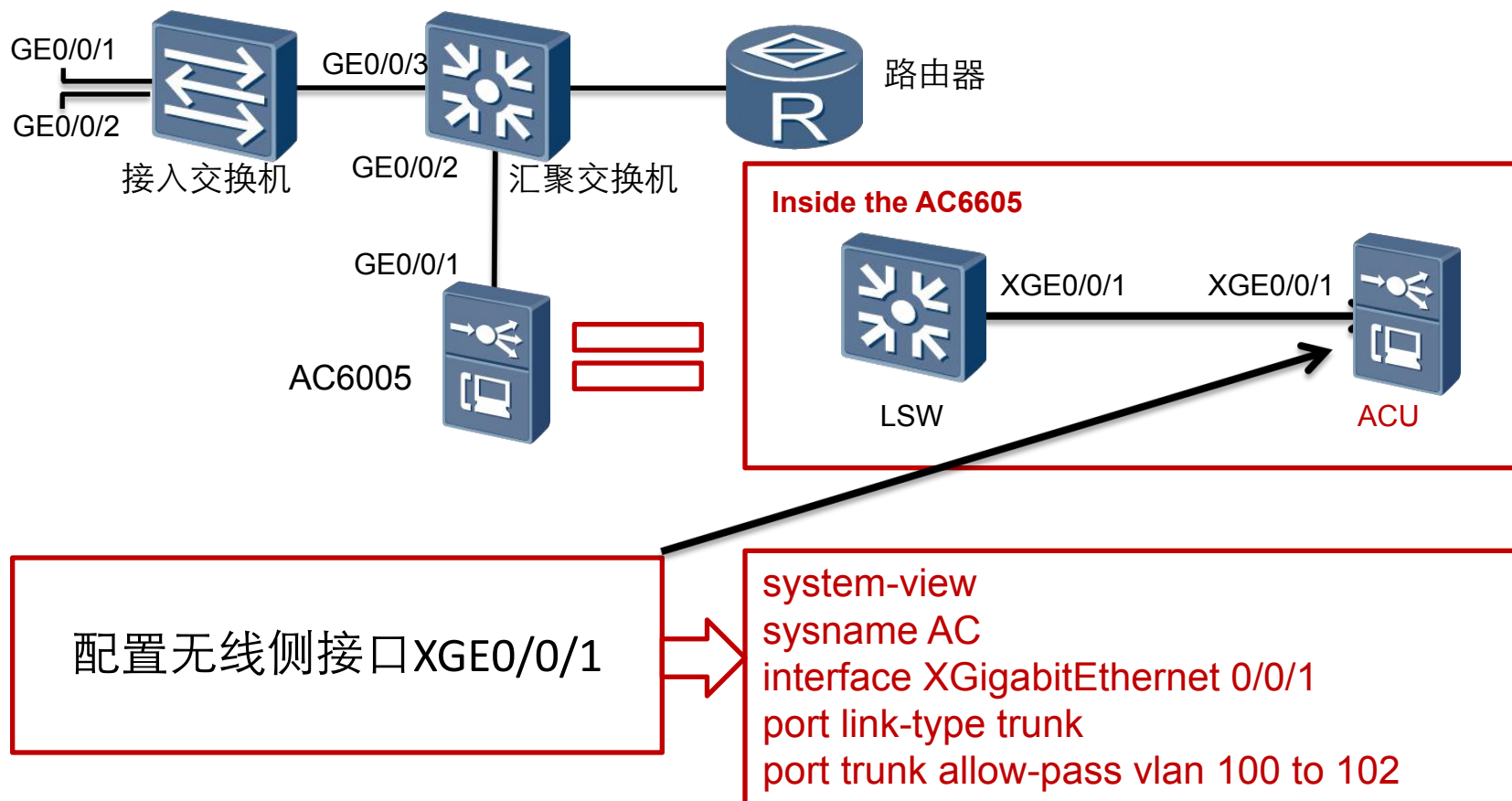
interface GigabitEthernet 0/0/2
port link-type trunk
port trunk allow-pass vlan 100 to 102

interface GigabitEthernet 0/0/3
port link-type trunk
port trunk allow-pass vlan 100 to 102
```

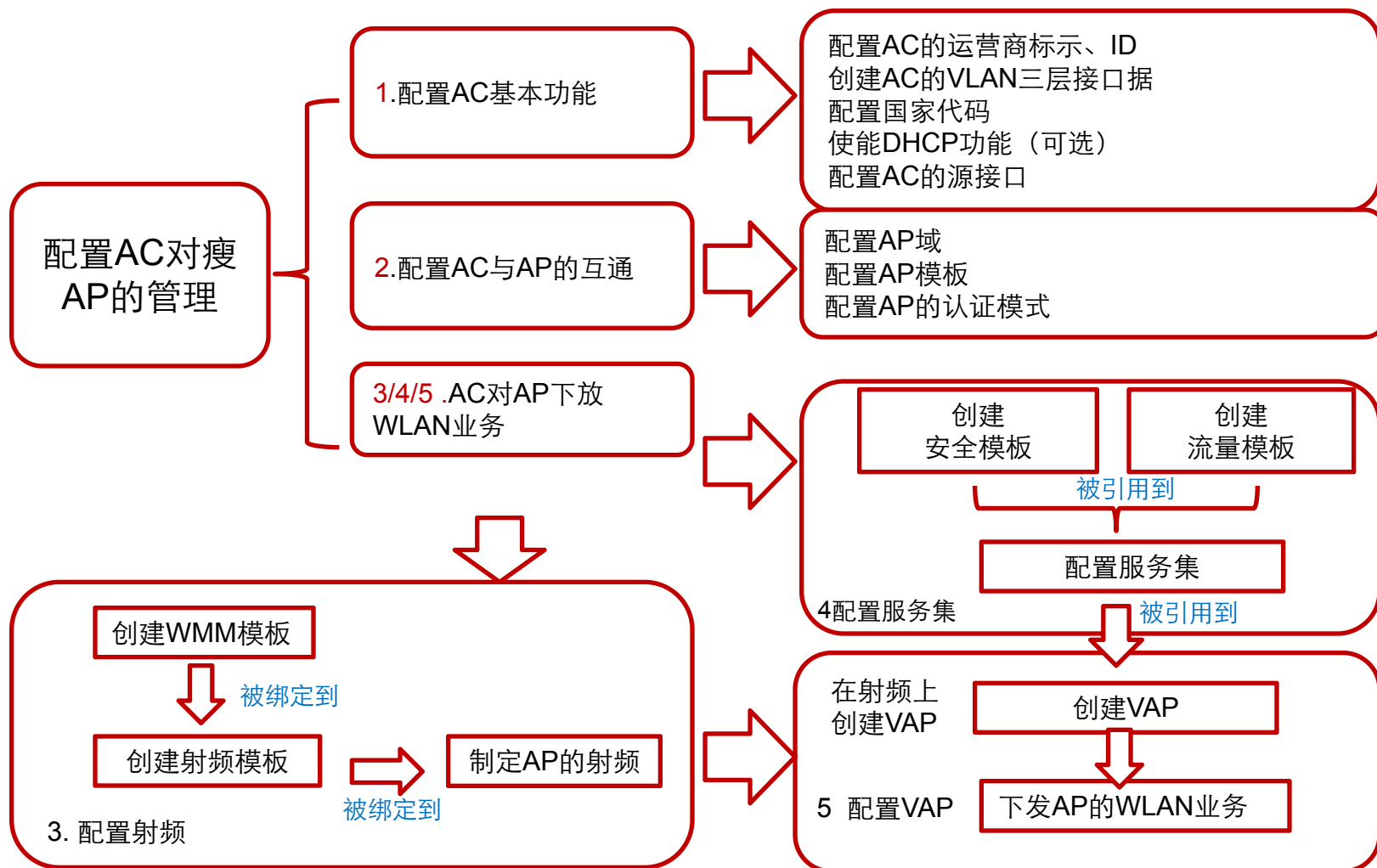
AC有线侧基本配置



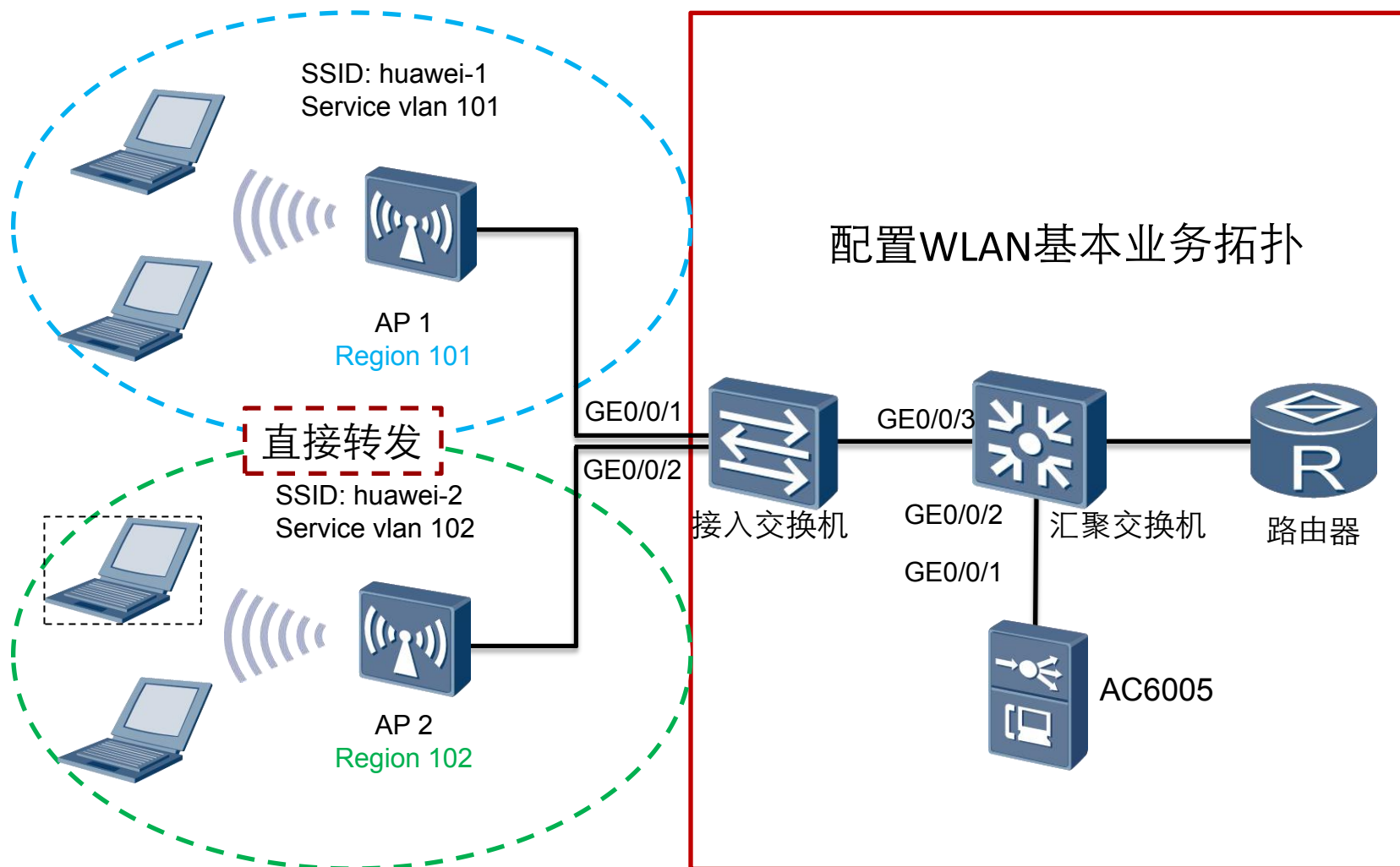
AC无线侧基本配置



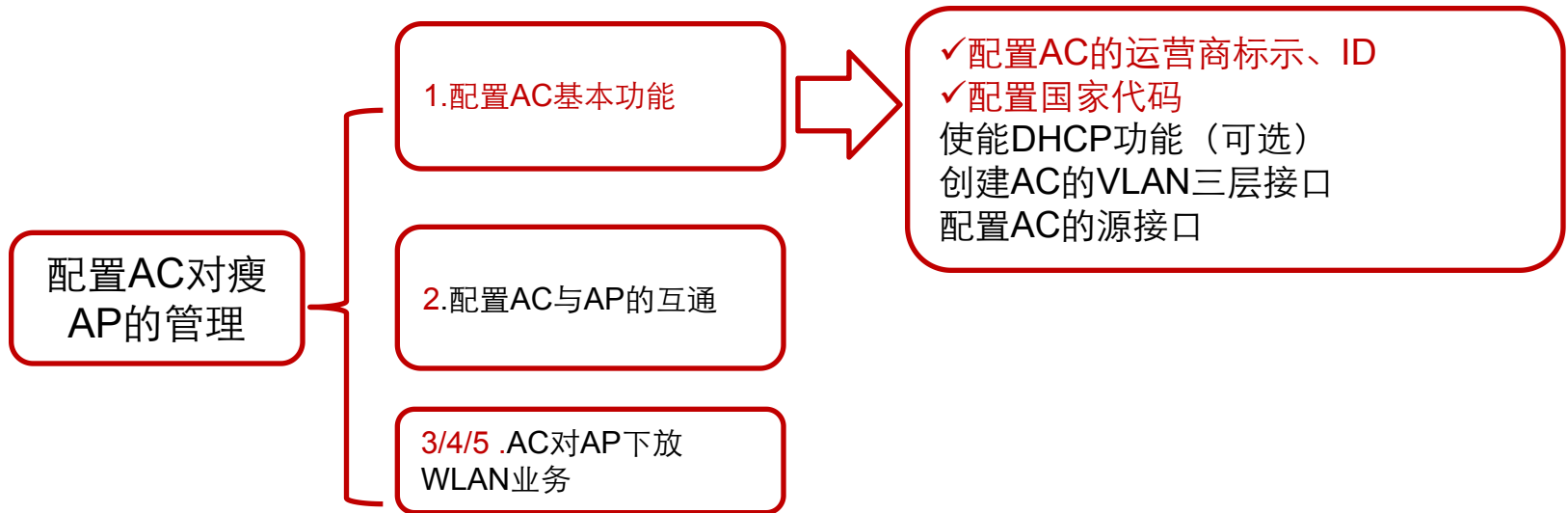
WLAN业务的配置流程



WLAN配置拓扑



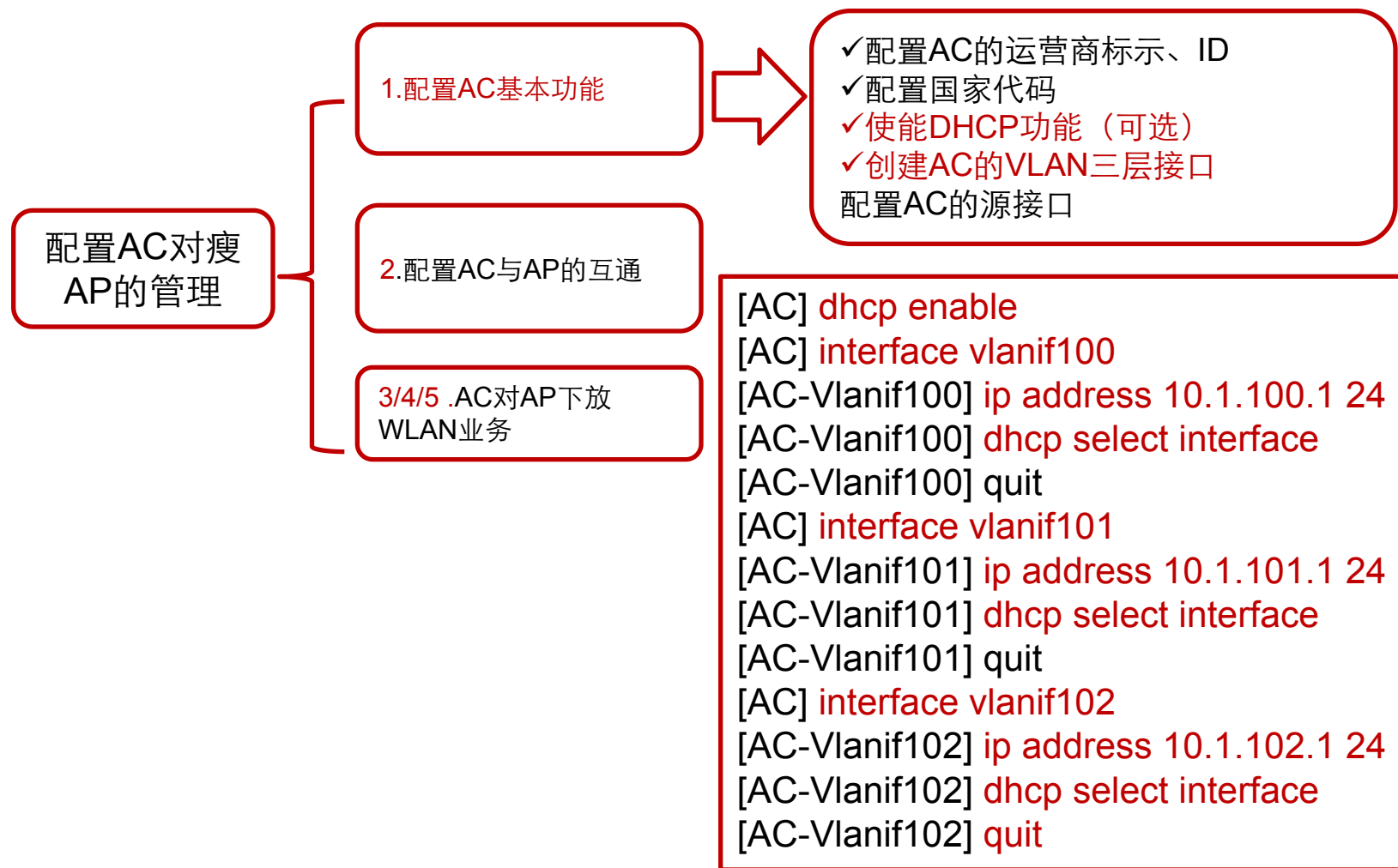
配置AC基本功能



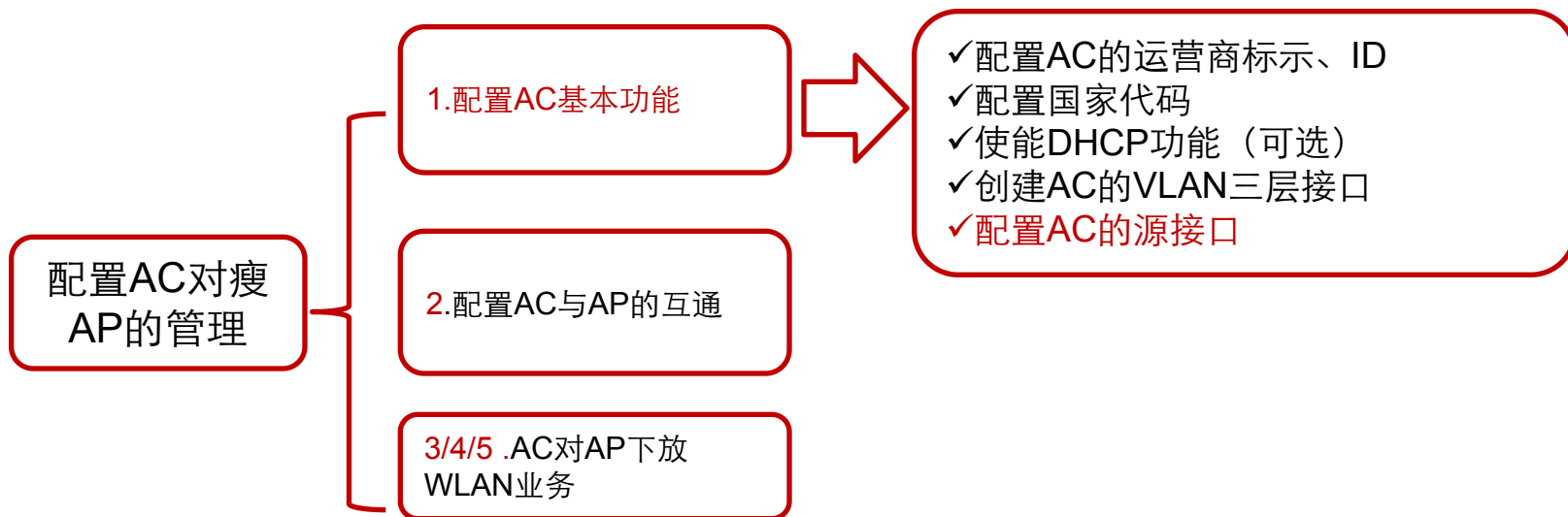
```
system-view
WLAN ac-global ac id ac-id [ carrier id { cmcc | ctc | cuc | other } ]
WLAN ac-global country-code country-code
```

```
<AC>system-view
[AC] WLAN ac-global ac id 1 carrier id other
[AC] WLAN ac-global country-code CN
```

配置AC基本功能



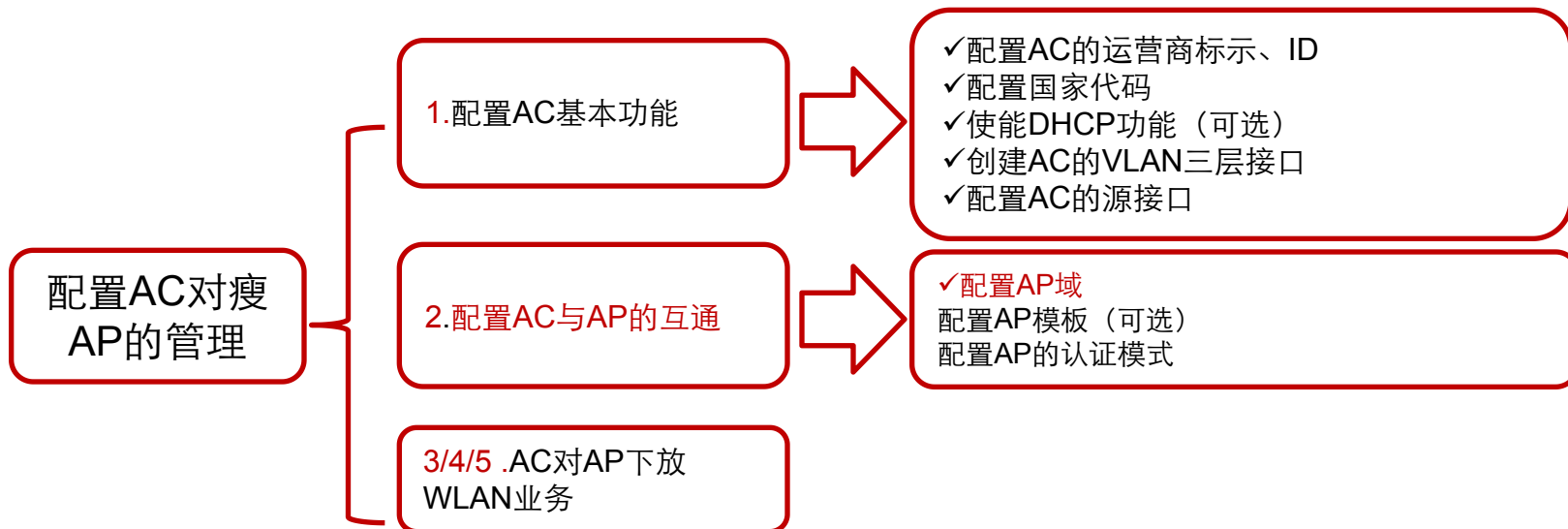
配置AC基本功能



```
WLAN ac source interface { LoopBack loopback-num | Vlanif vlanif-id }
```

```
[AC-WLAN-view] WLAN ac source interface vlanif 100
```

配置AC与AP的互通



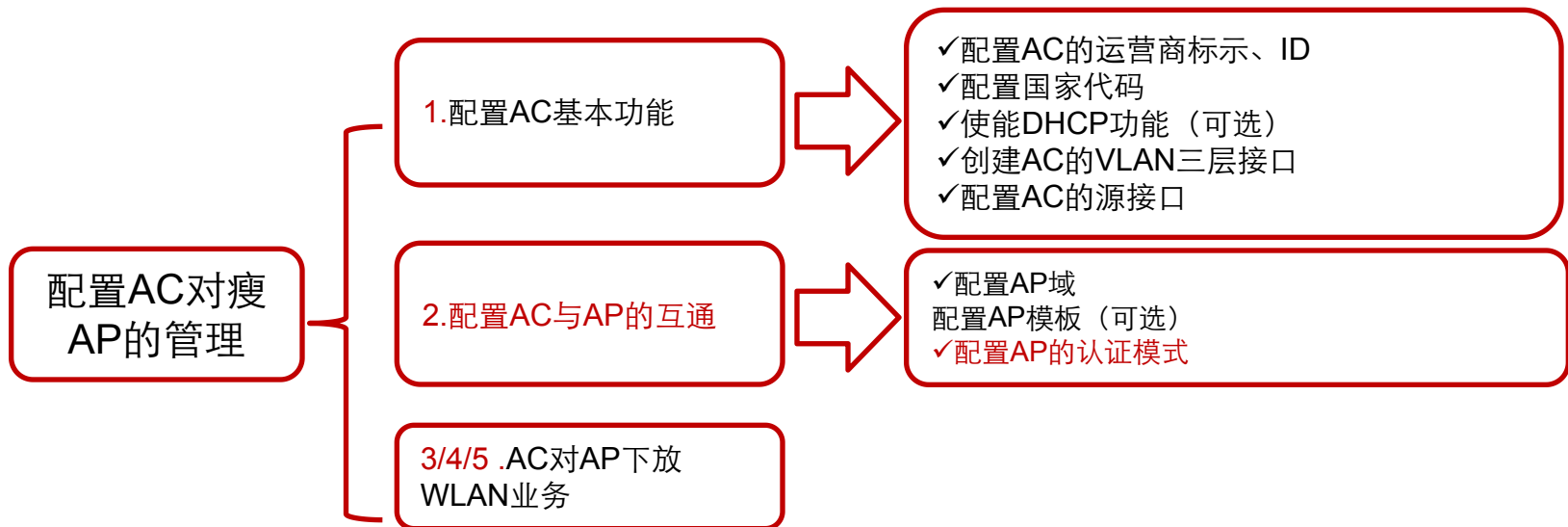
#配置AP域ID分别为101和102。

```
[AC-WLAN-view] ap-region id 101
[AC-WLAN-ap-region-101] quit
[AC-WLAN-view] ap-region id 102
[AC-WLAN-ap-region-102] quit
```

#配置AP域ID分别为101和102。

```
[AC-WLAN-view] ap id 0
[AC-WLAN-ap-0] region-id 101
[AC-WLAN-ap-0] quit
[AC-WLAN-view] ap id 1
[AC-WLAN-ap-1] region-id 102
[AC-WLAN-ap-1] quit
```

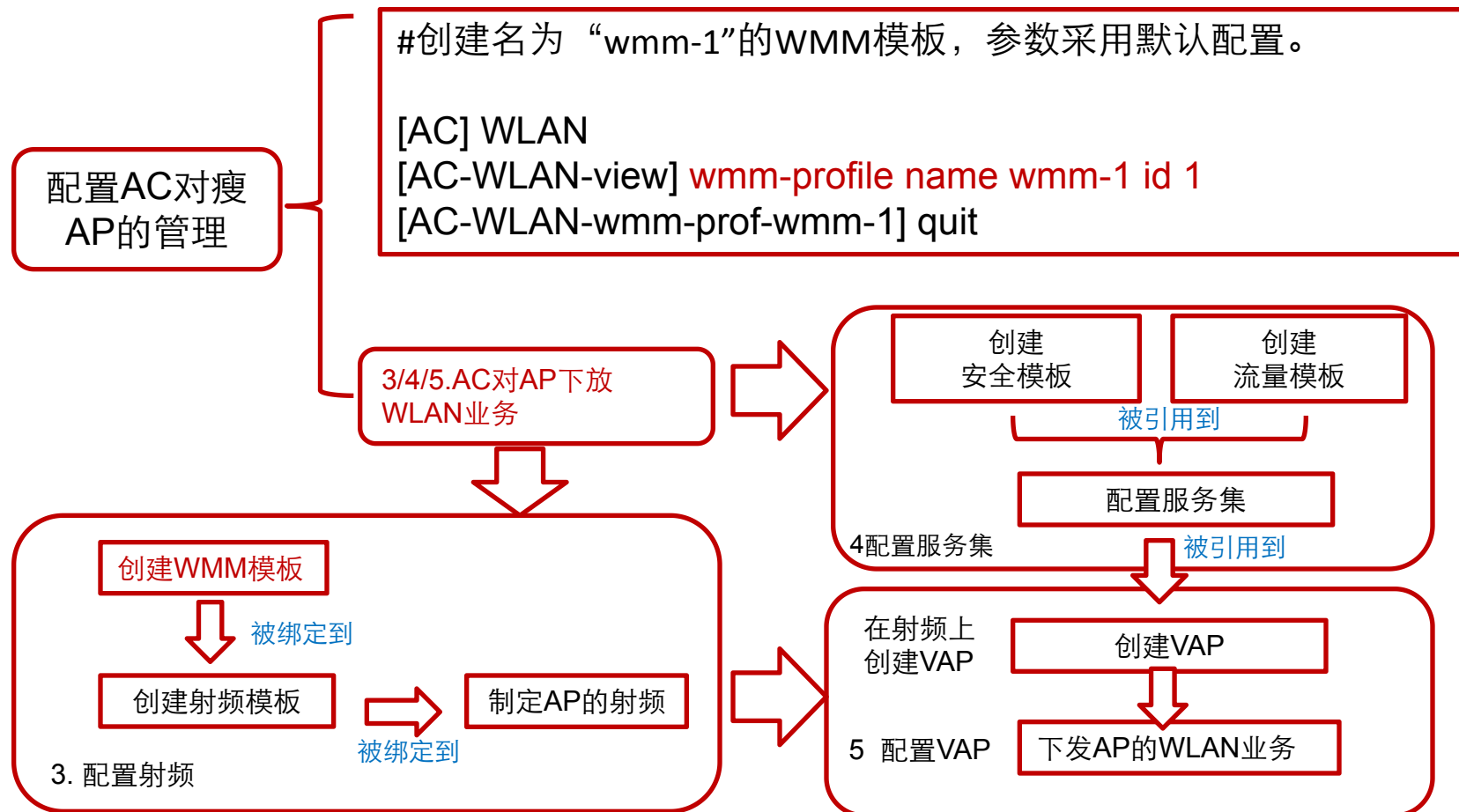
配置AC与AP的互通



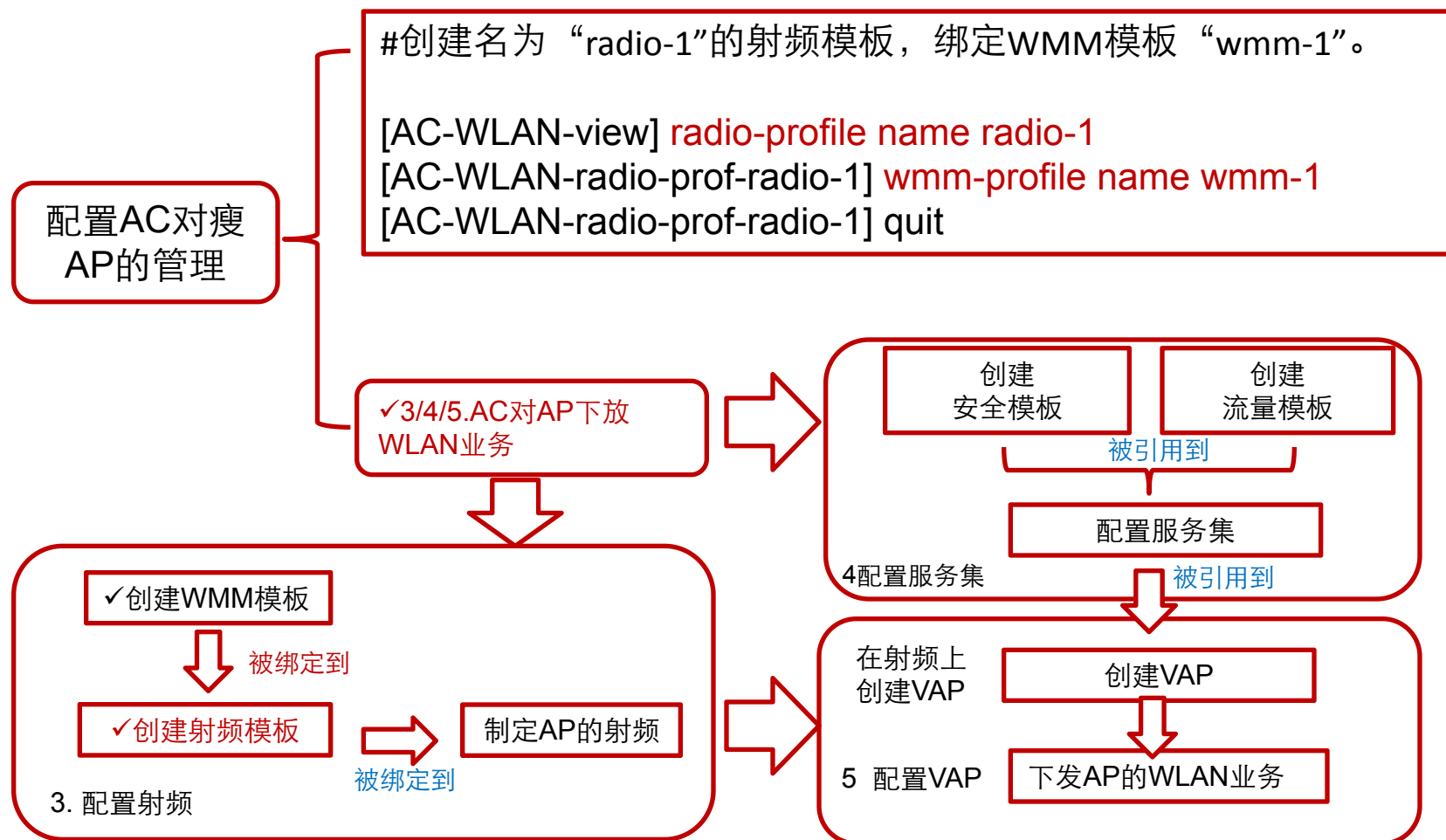
```
ap-auth-mode { mac-auth | no-auth | sn-auth }
```

```
#配置AP的认证方式为no-auth认证。  
[AC-WLAN-view] ap-auth-mode no-auth
```

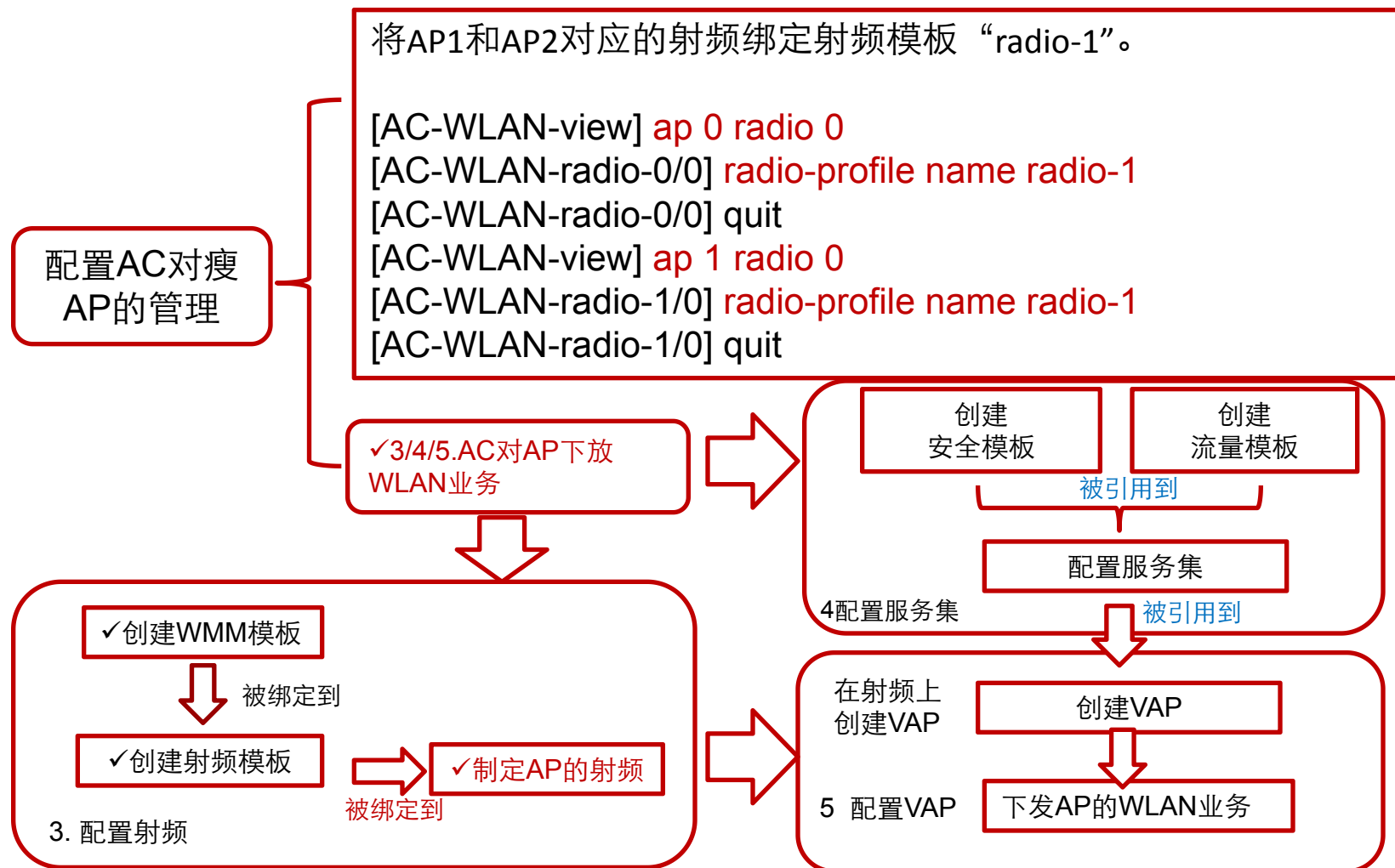

配置射频



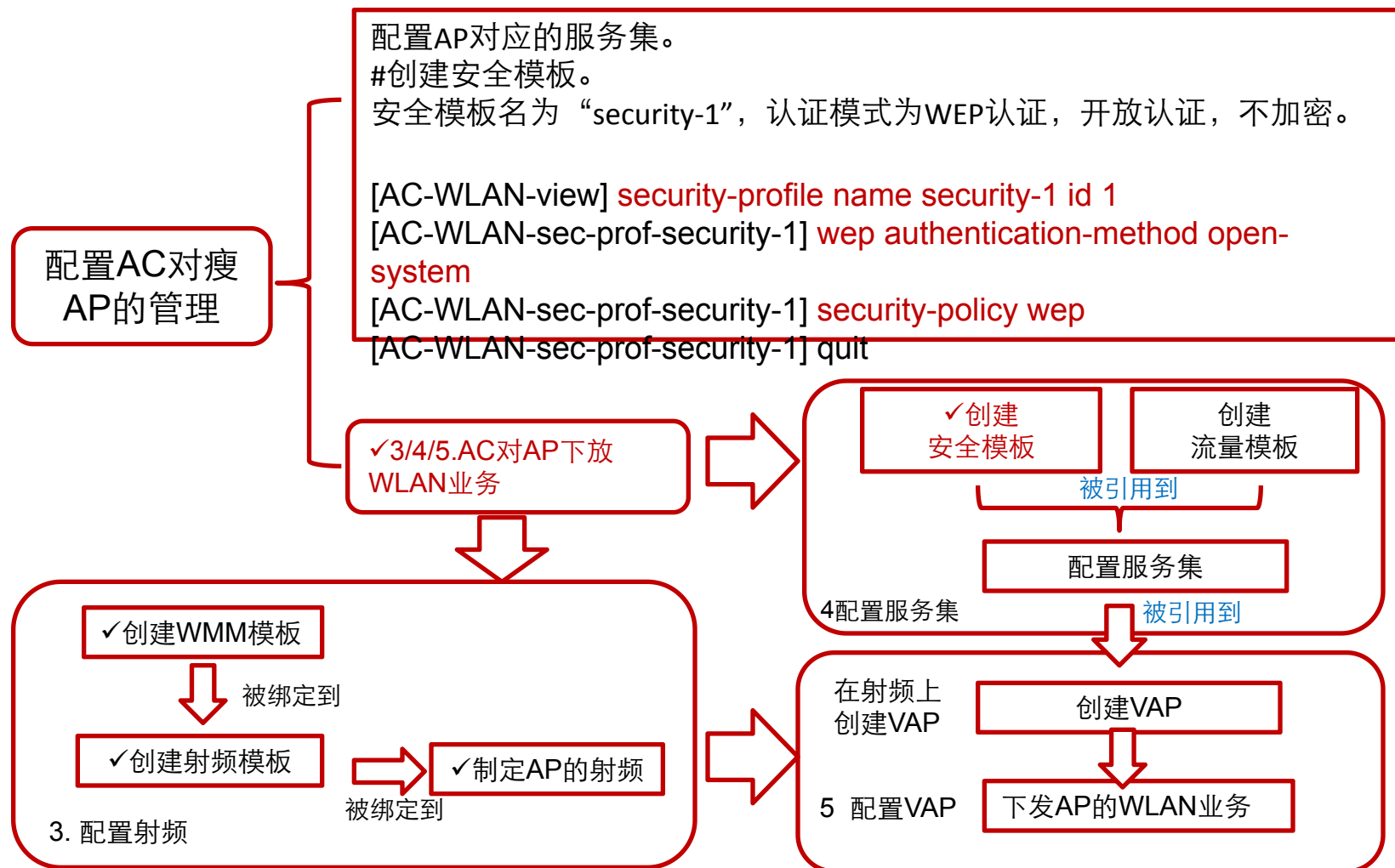
配置射频



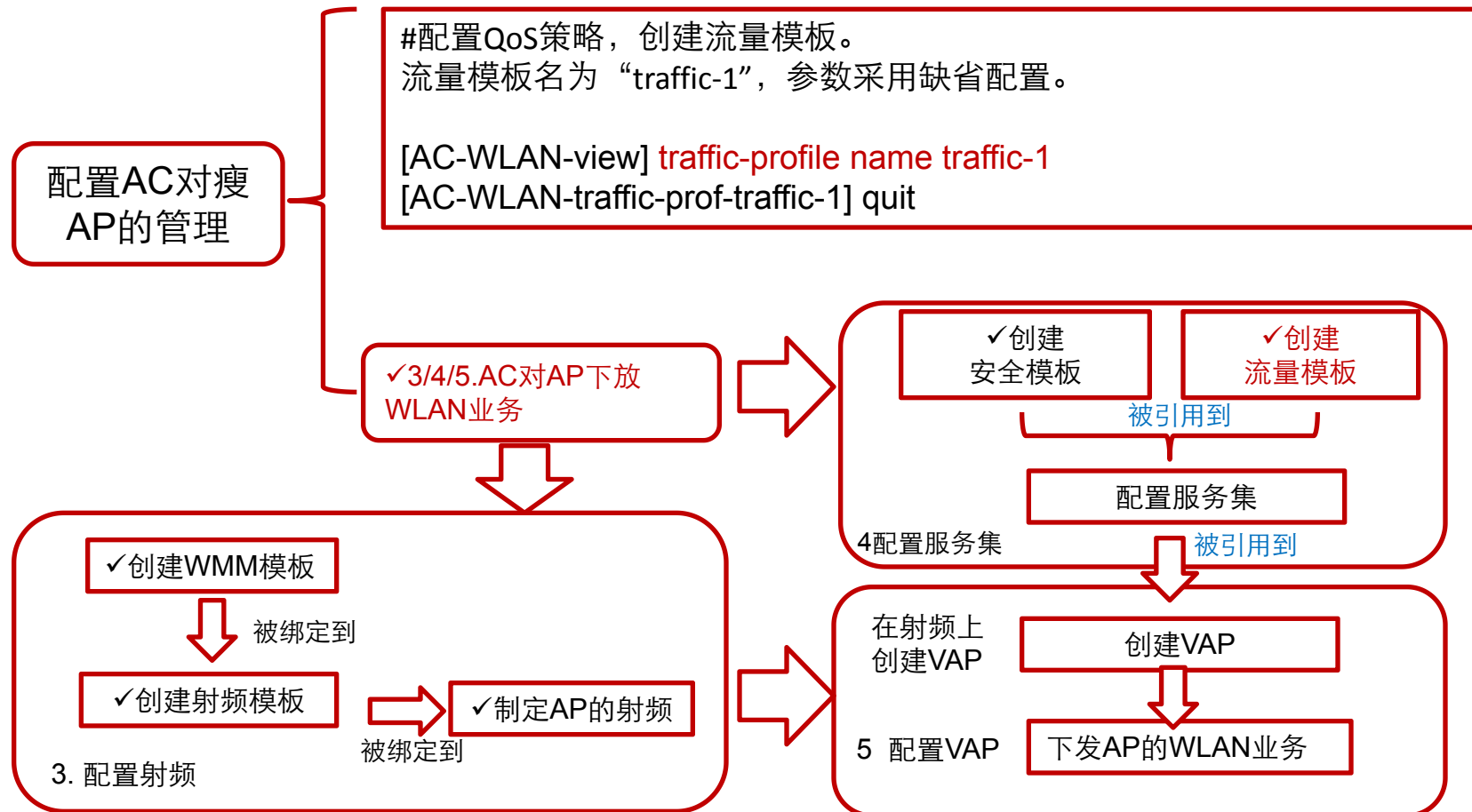
配置射频



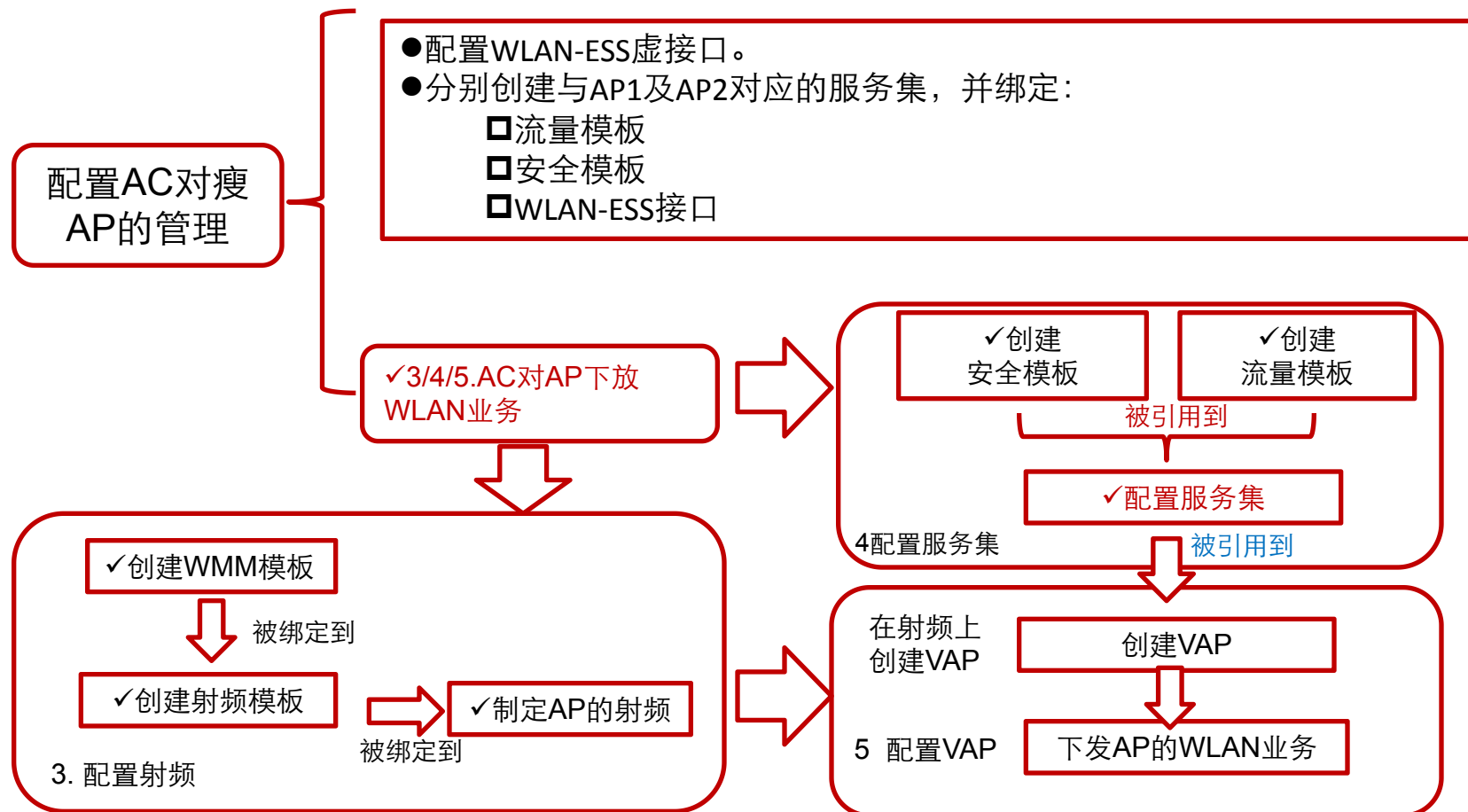
配置服务集



配置服务集



配置服务集



配置WLAN-ESS虚接口

```
[AC] interface WLAN-ess0  
[AC-WLAN-ESS0] port link-type hybrid  
[AC-WLAN-ESS0] port hybrid untagged vlan 101  
[AC-WLAN-ESS0] dhcp enable  
[AC-WLAN-ESS0] quit
```

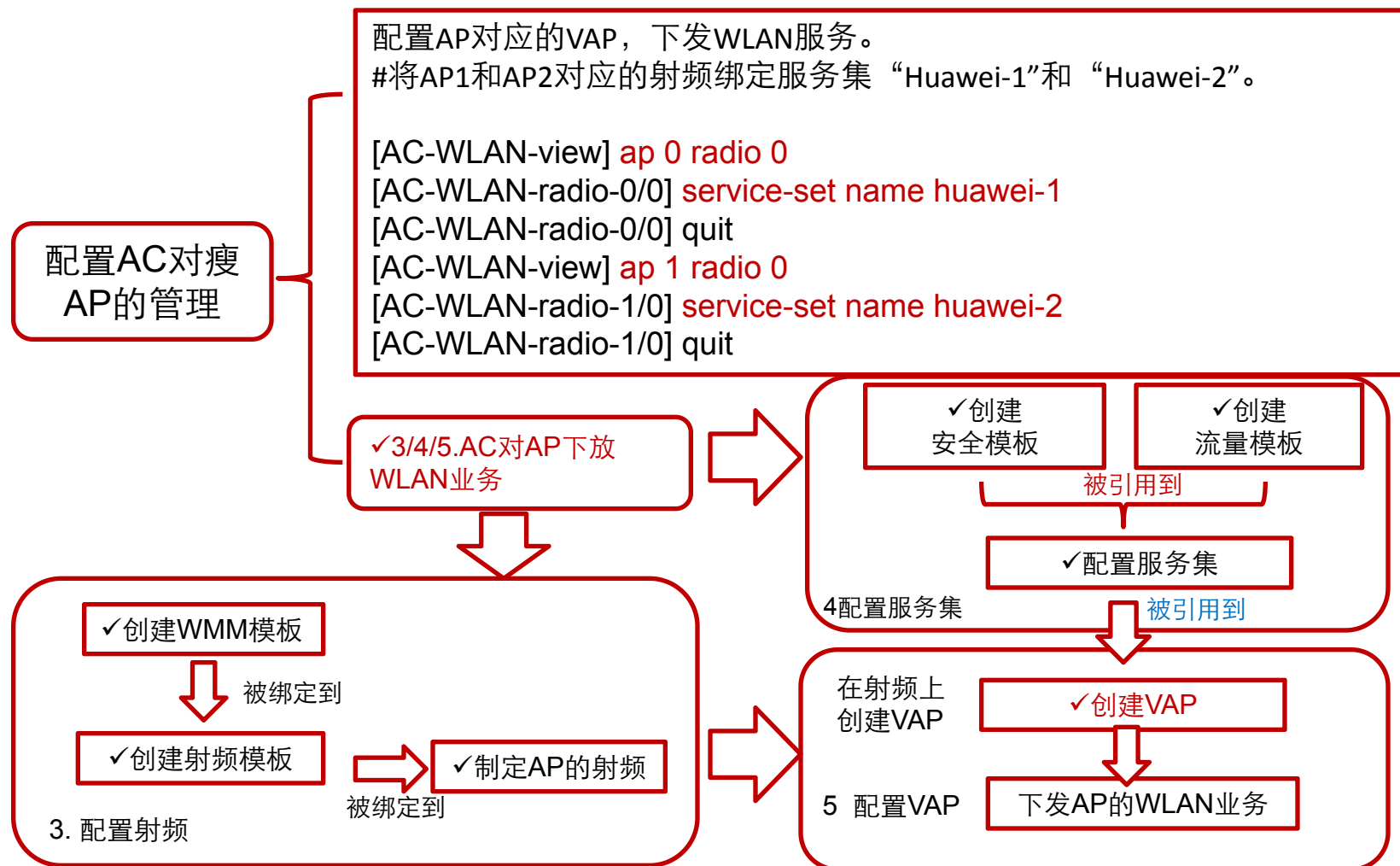
```
[AC] interface WLAN-ess1  
[AC-WLAN-ESS1] port link-type hybrid  
[AC-WLAN-ESS1] port hybrid untagged vlan 102  
[AC-WLAN-ESS0] dhcp enable  
[AC-WLAN-ESS1] quit
```

创建服务集

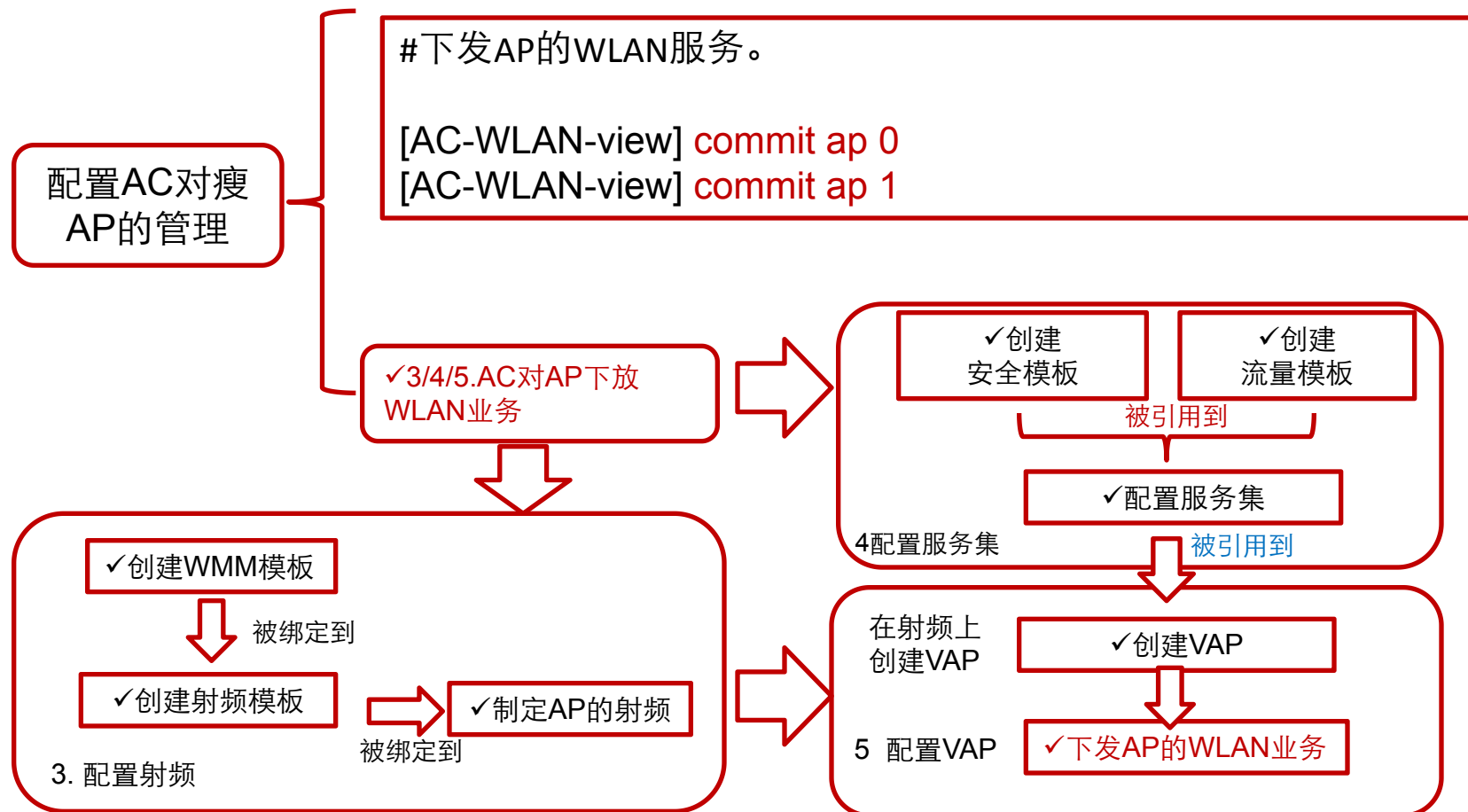
```
[AC-WLAN-view] service-set name huawei-1  
[AC-WLAN-service-set-huawei-1] ssid huawei-1  
[AC-WLAN-service-set-huawei-1] traffic-profile name traffic-1  
[AC-WLAN-service-set-huawei-1] security-profile name security-1  
[AC-WLAN-service-set-huawei-1] WLAN-ess 0  
[AC-WLAN-service-set-huawei-1] service-vlan 101  
[AC-WLAN-service-set-huawei-1] forward-mode direct-forward  
[AC-WLAN-service-set-huawei-1] quit
```

```
[AC-WLAN-view] service-set name huawei-2  
[AC-WLAN-service-set-huawei-2] ssid huawei-2  
[AC-WLAN-service-set-huawei-2] traffic-profile name traffic-1  
[AC-WLAN-service-set-huawei-2] security-profile name security-1  
[AC-WLAN-service-set-huawei-2] WLAN-ess 1  
[AC-WLAN-service-set-huawei-2] service-vlan 102  
[AC-WLAN-service-set-huawei-2] forward-mode direct-forward  
[AC-WLAN-service-set-huawei-2] quit
```

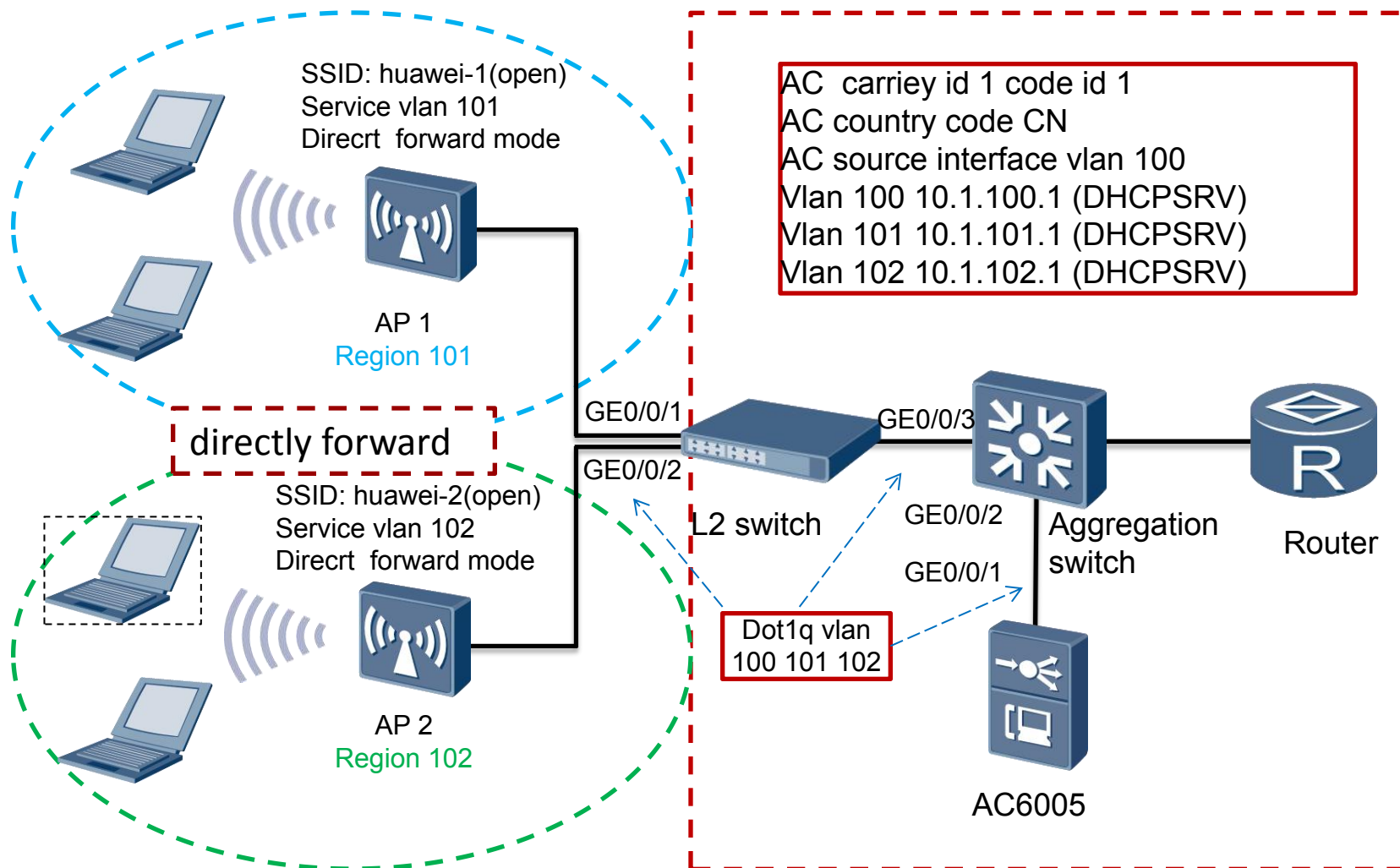

配置VAP



配置VAP



配置回顾



问 题

- 配置AC基本属性要配置哪些东西？
- AP加入AC的三种认证模式是什么？
- 如何提交配置到AP上生效？



总结

- AC6605WLAN特性
- 华为无线控制器AC6605 WLAN业务配置流程
- WLAN基础配置命令

谢谢