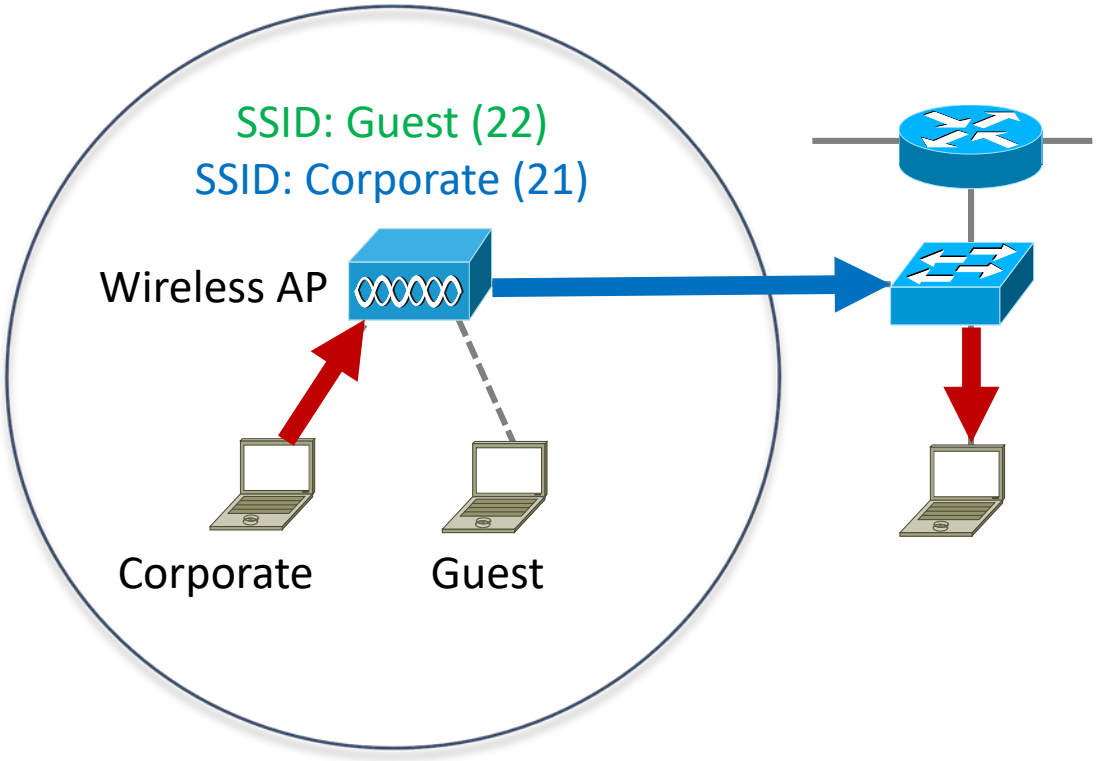
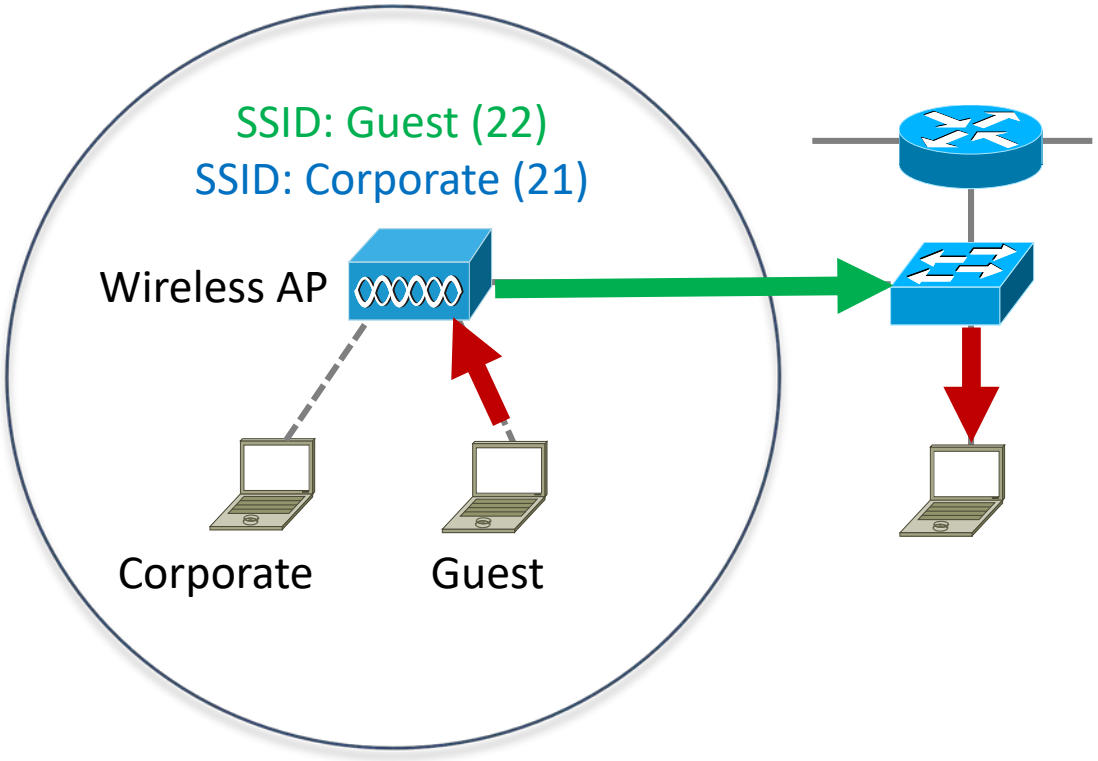
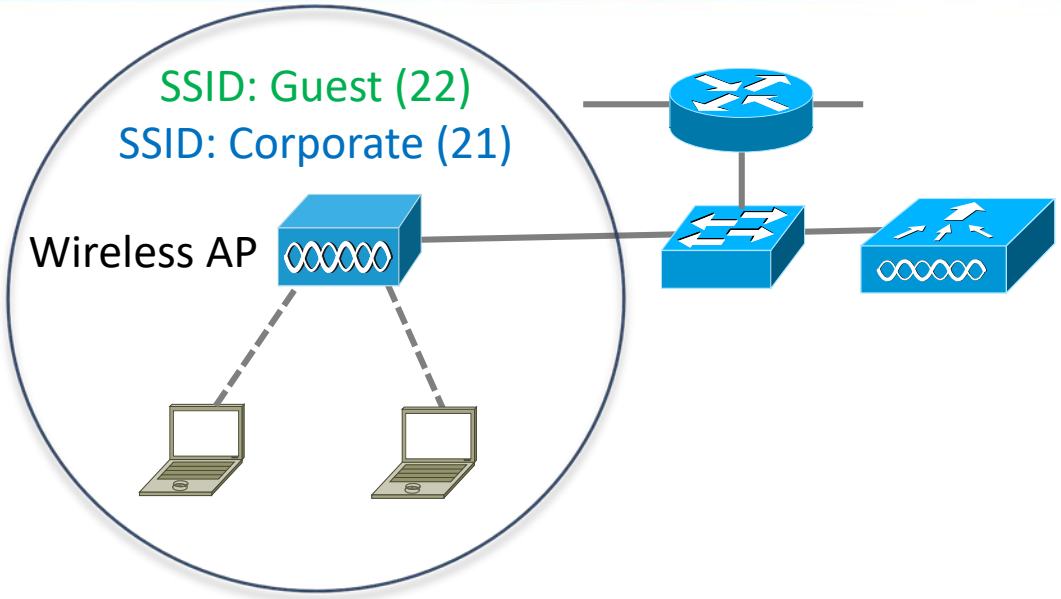
Traffic Flow with Autonomous AP



Traffic Flow with Autonomous AP

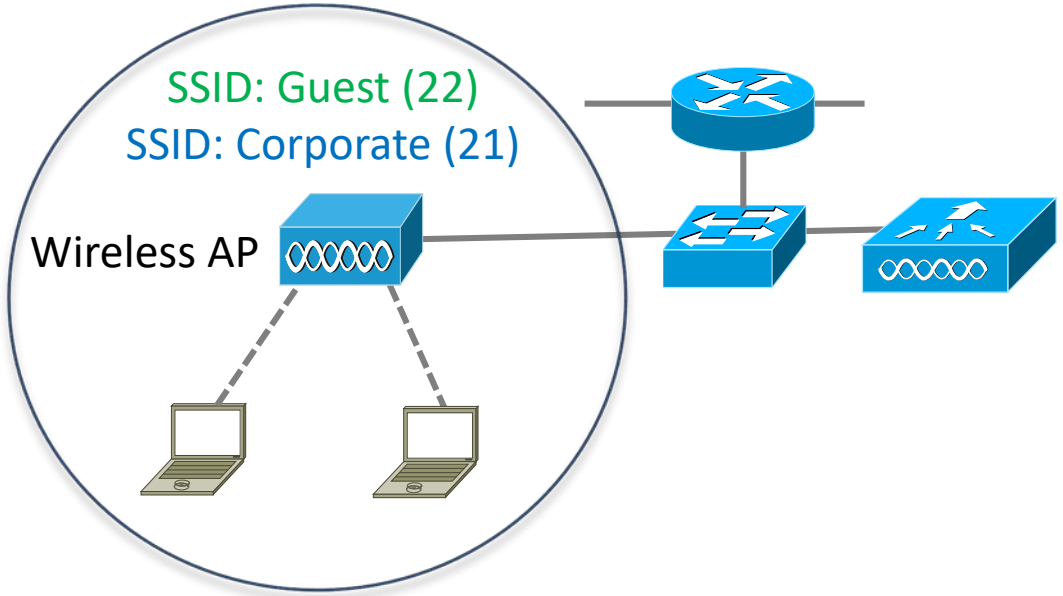


Autonomous AP Switch Configuration



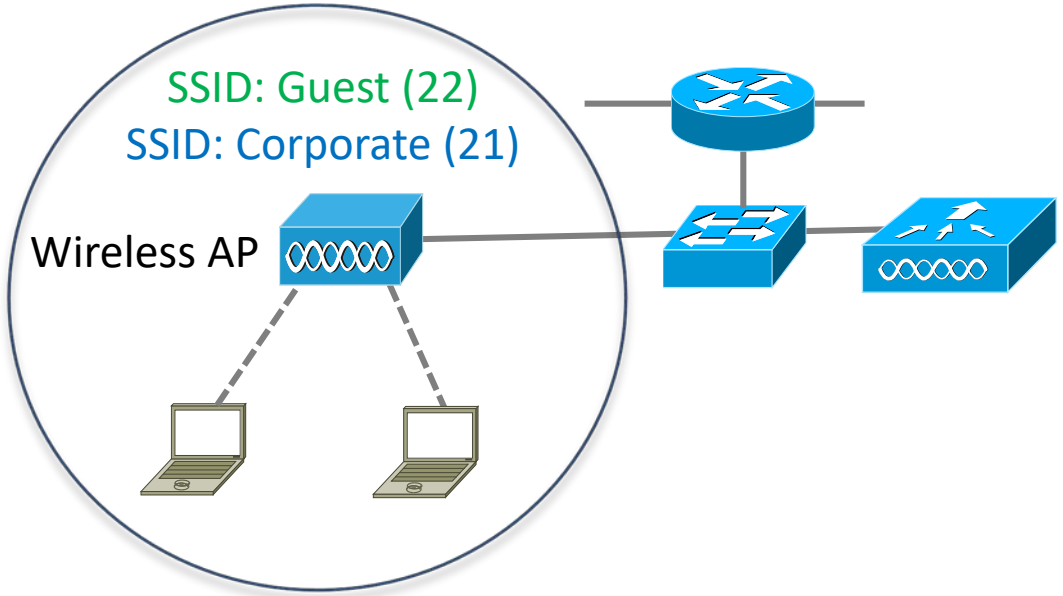
- In this example two WLANs have been configured on the Autonomous AP
- The Corporate WLAN is mapped to VLAN 21
- The Guest WLAN is mapped to VLAN 22

Autonomous AP Switch Configuration



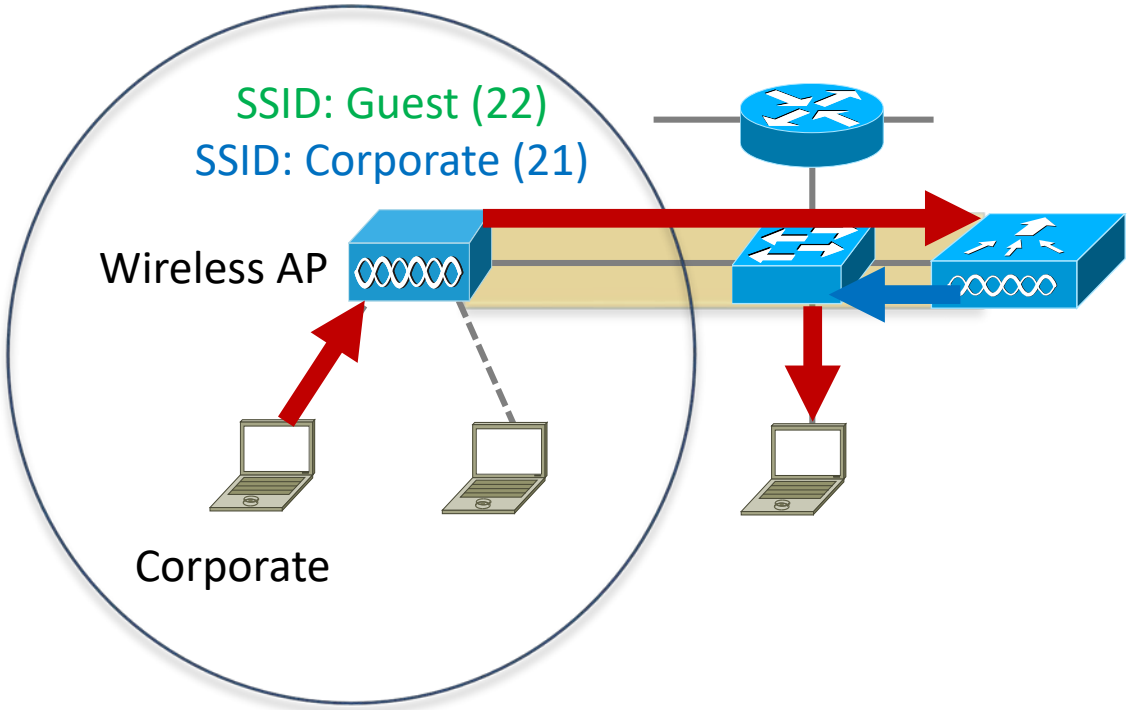

```
Switch(config)# vlan 21
Switch(config-vlan)# name Corporate
Switch(config)# vlan 22
Switch(config-vlan)# name Guest
```

Autonomous AP Switch Configuration

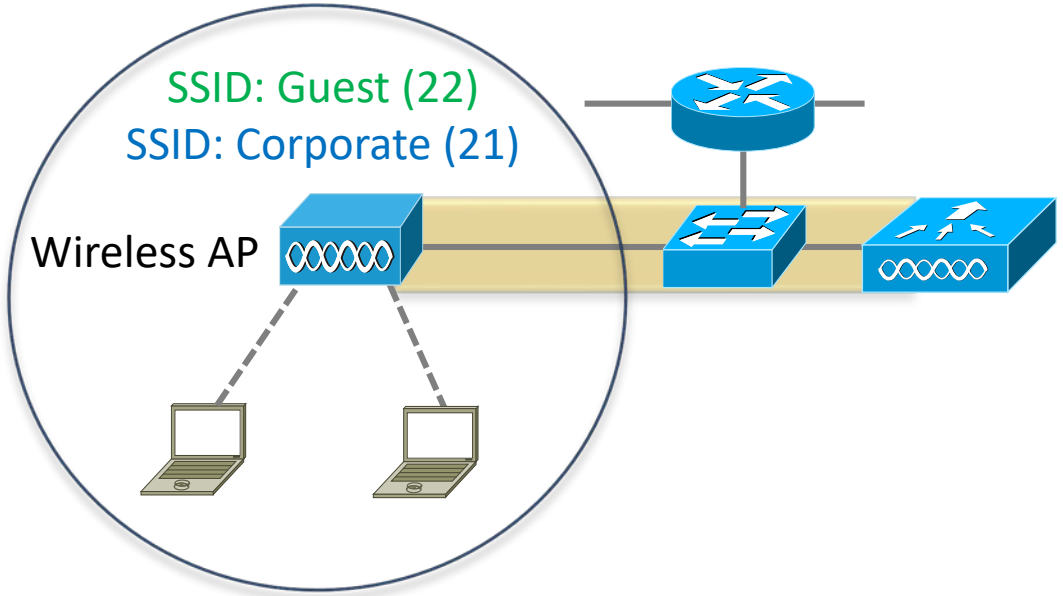



```
Switch(config)# interface GigabitEthernet1/0/1
Switch(config-if)# switchport trunk encap dot1q
Switch(config-if)# switchport mode trunk
Switch(config-if)# switchport trunk allowed vlan 21,22
```

Traffic Flow with CAPWAP

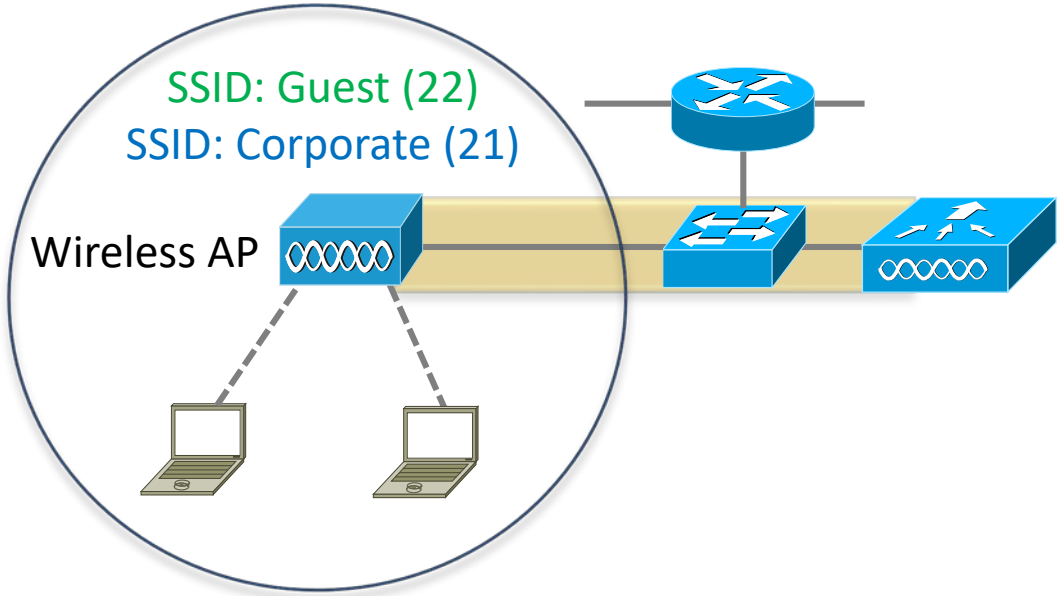


Lightweight AP Switch Configuration




```
Switch(config)# vlan 21
Switch(config-vlan)# name Corporate
Switch(config)# vlan 22
Switch(config-vlan)# name Guest
```

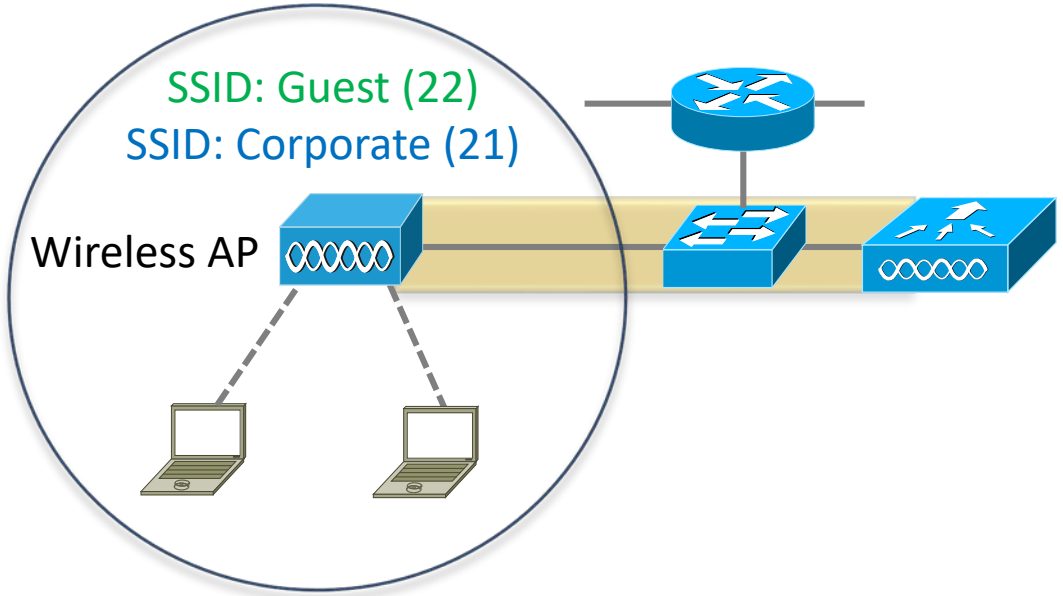
Lightweight AP Switch Configuration



- In this example, VLAN 10 is for the administrator to manage the WLC
- VLAN 11 is for the WLC to manage the Access Points
- The same VLAN can optionally be used for both

```
Switch(config)# vlan 10
Switch(config-vlan)# name WLC-Management
Switch(config)# vlan 11
Switch(config-vlan)# name AP-Management
```

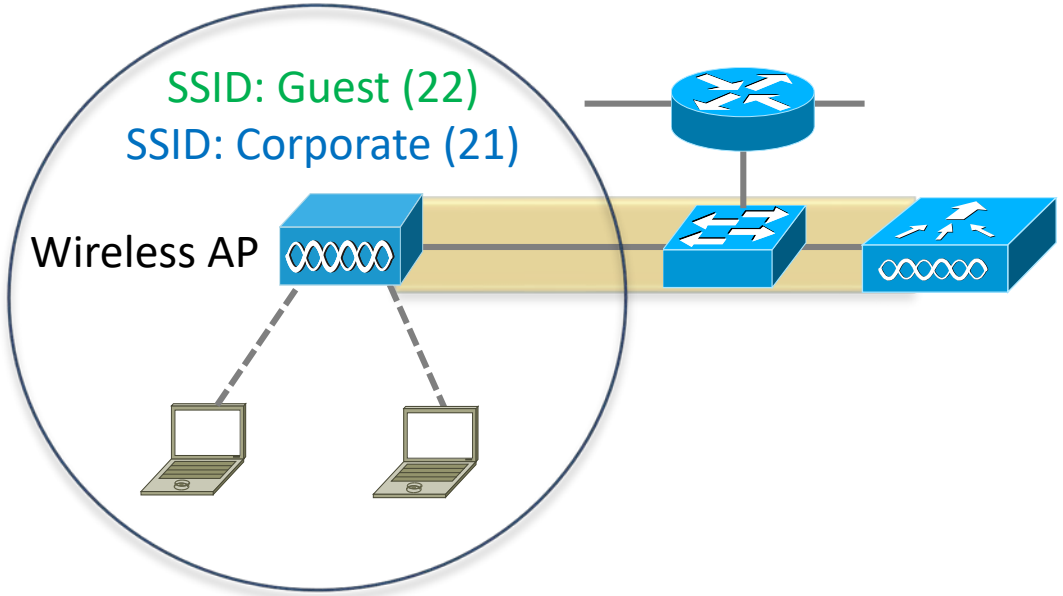
Lightweight AP Switch Configuration - WLC



- Configure the interface connected to the WLC as a trunk for the management and WLAN VLANs
- Communication between the WLC and APs is tunneled inside a CAPWAP tunnel

```
Switch(config)# interface GigabitEthernet1/0/2
Switch(config-if)# switchport trunk encap dot1q
Switch(config-if)# switchport mode trunk
Switch(config-if)# switchport trunk allowed vlan 10,11,21,22
```

Lightweight AP Switch Configuration - AP



- Configure the interface connected to the APs as an access port in the AP management VLAN

```
Switch(config)# interface GigabitEthernet1/0/1
Switch(config-if)# switchport mode access
Switch(config-if)# switchport access vlan 11
```