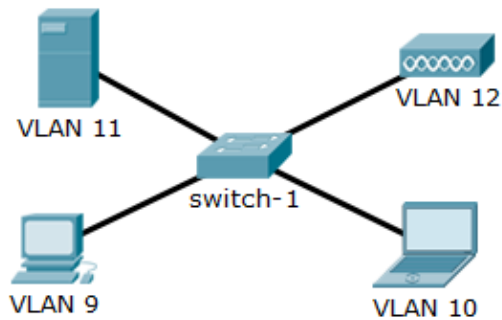


Access Ports

Lab Summary

Configure switch interfaces as access ports and assign VLANs.

Figure 1 Lab Topology



Lab Configuration

Start Packet Tracer File: **Access Ports**

Click on the *switch-1* icon and select the *CLI* folder. Hit <enter> key for user mode.

Step 1: Enter global configuration mode

```
switch-1> enable  
Password: cisconet  
switch-1# configure terminal
```

Step 2: Configure interface range Fa0/1-16 as access ports and assign to data VLAN 9 for employees.

```
switch-1(config-if)# interface range fastethernet0/1 - 16  
switch-1(config-if)# switchport mode access  
switch-1(config-if)# switchport access vlan 9
```

Step 3: Configure interface range Fa0/17-22 as an access port and assign to VLAN 10 for guests.

```
switch-1(config-if)# interface range fastethernet0/17 - 22  
switch-1(config-if)# switchport mode access  
switch-1(config-if)# switchport access vlan 10
```

Step 4: Configure interface Fa0/23 as an access port and assign it to VLAN 11 for a network server.

```
switch-1(config-if)# interface fastethernet0/23  
switch-1(config-if)# switchport mode access  
switch-1(config-if)# switchport access vlan 11
```

Step 5: Configure interface Fa0/24 as an access port and assign it to VLAN 12 for a wireless access point.

```
switch-1(config-if)# interface fastethernet0/24  
switch-1(config-if)# switchport mode access  
switch-1(config-if)# switchport access vlan 12  
switch-1(config-if)# end  
switch-1# copy running-config startup-config
```

Step 6: Verify Lab

Verify switch access ports, interface status and VLAN assignment.

```
switch-1# show running-config  
switch-1# show vlan brief  
  
switch-1# show vlan brief
```

VLAN	Name	Status	Ports
1	default	active	Gig0/1, Gig0/2
9	VLAN0009	active	Fa0/1, Fa0/2, Fa0/3, Fa0/4 Fa0/5, Fa0/6, Fa0/7, Fa0/8 Fa0/9, Fa0/10, Fa0/11, Fa0/12 Fa0/13, Fa0/14, Fa0/15, Fa0/16
10	VLAN0010	active	Fa0/17, Fa0/18, Fa0/19, Fa0/20 Fa0/21, Fa0/22
11	VLAN0011	active	Fa0/23
12	VLAN0012	active	Fa0/24

Lab Notes

The **range** keyword allows you to configure multiple switch ports with a single command. The **range** keyword is omitted when configuring IOS commands on a single interface. Note in this lab there are no VLAN names configured. Instead the default is the VLAN number (i.e. VLAN0009). Cisco automatically creates a VLAN when configuring an access port if it does not exist.