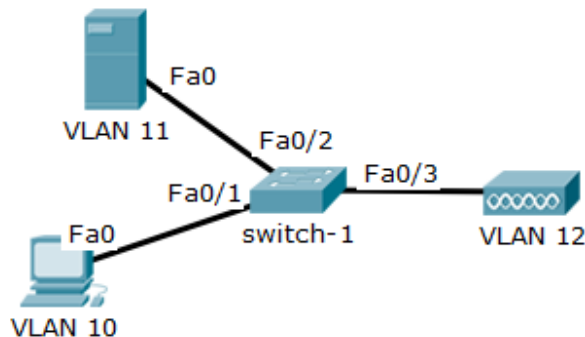


Data VLAN

Lab Summary

Configure multiple VLANs on switch-1 with assigned names and verify they are listed in the configuration script and operationally active.

Figure 1 Lab Topology



Lab Configuration

Start Packet Tracer File: **Data VLAN**

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

Step 1: Enter global configuration mode.

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

Step 2: Create the following VLANs and assign names.

```
switch-1(config)# vlan 10  
switch-1(config-vlan)# name data  
switch-1(config-vlan)# vlan 11  
switch-1(config-vlan)# name server  
switch-1(config-vlan)# vlan 12  
switch-1(config-vlan)# name wireless  
switch-1(config-vlan)# end  
switch-1# copy running-config startup-config
```

Step 3: Verify the VLANs are created, showing as active and none are assigned to any switch ports yet.

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

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

```
switch-1# show vlan id 10
```

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

VLAN	Name	Status	Ports
1	default	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 Fa0/17, Fa0/18, Fa0/19, Fa0/20 Fa0/21, Fa0/22, Fa0/23, Fa0/24 Gig0/1, Gig0/2
10	data	active	
11	server	active	
12	wireless	active	
1002	fddi-default	active	
1003	token-ring-default	active	
1004	fddinet-default	active	
1005	trnet-default	active	

Lab Notes

The VLAN database (vlan.dat) is used to store all VLAN information locally on a switch such as vlan name, vlan id and MTU.