



Switch 0 configuration

```
>> enable [to go to privilege mode]
```

[Step 01]

```
>> configure terminal [to enter into the global configuration mode]
```

[Create VLAN 99 with name mgt and native]

```
>> vlan 99
>> name mgt&native
>> exit
```

[Create VLAN 10 with name Lab-01]

```
>> vlan 10  
>> name Lab-01  
>> exit
```

[Create VLAN 20 with name Lab-02]

```
>> vlan 20  
>> name Lab-02  
>> exit
```

[Create VLAN 30 with name Lab-03]

```
>> vlan 30  
>> name Lab-03  
>> exit
```

[Use Ctrl + C to jump out of the global mode and enter into privileged mode]

>> copy running-config startup-config [to save the configuration to NVRAM]

>> show vlan brief [to see if the VLANs are created]

[Step 02]

Enter into the configuration mode for [vlan 10 in switch 0]

```
>> configure terminal  
  
[Select port number fa0/6 to fa0/10 at once]  
>> interface range fa0/6-10  
  
[Select the type of port you want to set as]  
>> switchport mode access  
>> switchport access vlan 10  
>> no shutdown  
>> exit  
>> exit  
>> show vlan brief
```

Enter into the configuration mode for [vlan 20 in switch 0]

```
>> configure terminal  
  
[Select port number fa0/11 to fa0/17 at once]  
>> interface range fa0/11-17  
  
[Select the type of port you want to set as]  
>> switchport mode access  
>> switchport access vlan 20  
>> no shutdown
```

```
>> exit  
>> exit  
>> show vlan brief
```

Enter into the configuration mode for [vlan 30 in switch 0]

```
>> configure terminal  
  
[Select port number fa0/18 to fa0/23 at once]  
>> interface range fa0/18-23  
  
[Select the type of port you want to set as]  
>> switchport mode access  
>> switchport access vlan 30  
>> no shutdown  
>> exit  
>> exit  
>> show vlan brief
```

Enter into the configuration mode for vlan 99 [management vlan]

```
>> configure terminal  
>> interface fa0/24  
  
[Select the type of port you want to set as]  
>> switchport mode access  
>> switchport access vlan 99  
>> no shutdown  
>> exit  
>> exit  
>> show vlan brief  
  
>> end
```

[Step 03]

Configure the trunk port of switch 0 [for port fa0/1 and fa0/2]

```
[go to global configuration mode]  
>> configure terminal  
>> interface range fa0/1-2  
>> switchport mode trunk  
>> switchport trunk native vlan 99 [default path for all other devices  
outside the vlans]  
  
>> end  
  
>> show interface trunk
```

Switch 01 and 02 configuration

Repeat Step 01 and 02 for both the switches

**** Repeat Step 03 of previous configuration for this switch too but here only for port no fa0/1**

```
>> show vlan brief  
>> show interface trunk
```