



### 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
```