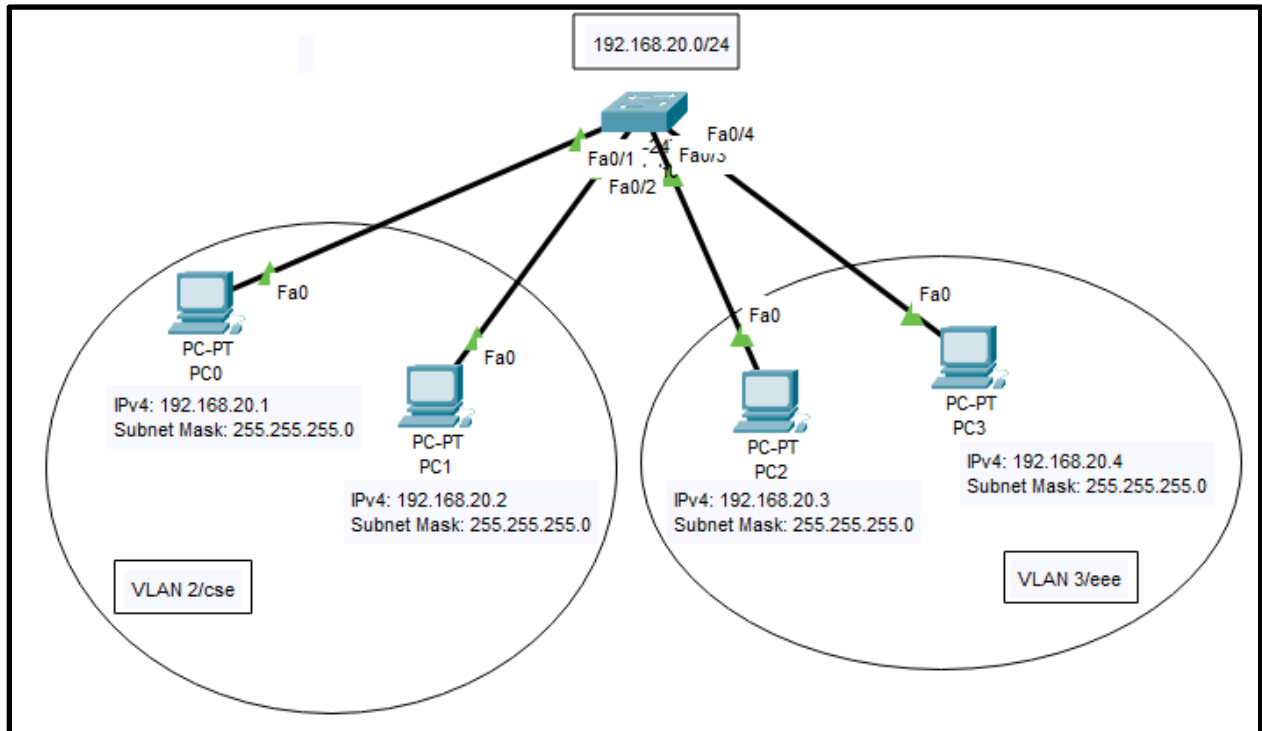


VLAN



Switch 0

```
Switch>enable
```

```
Switch#configure terminal
```

```
Switch(config)#do show vlan brief
```

```
Switch(config)#vlan 2
```

```
Switch(config-vlan)#name cse //optional
```

```
Switch(config-vlan)#exit
```

```
Switch(config)#vlan 3
```

```
Switch(config-vlan)#name eee //optional
```

```
Switch(config-vlan)#exit
```

```
Switch(config)#interface fastEthernet 0/1
```

```
Switch(config-if)#switchport mode access
```

```
Switch(config-if)#switchport access vlan 2
```

```
Switch(config-if)#exit
```

```
Switch(config)#interface fastEthernet 0/2
```

```
Switch(config-if)#switchport mode access
```

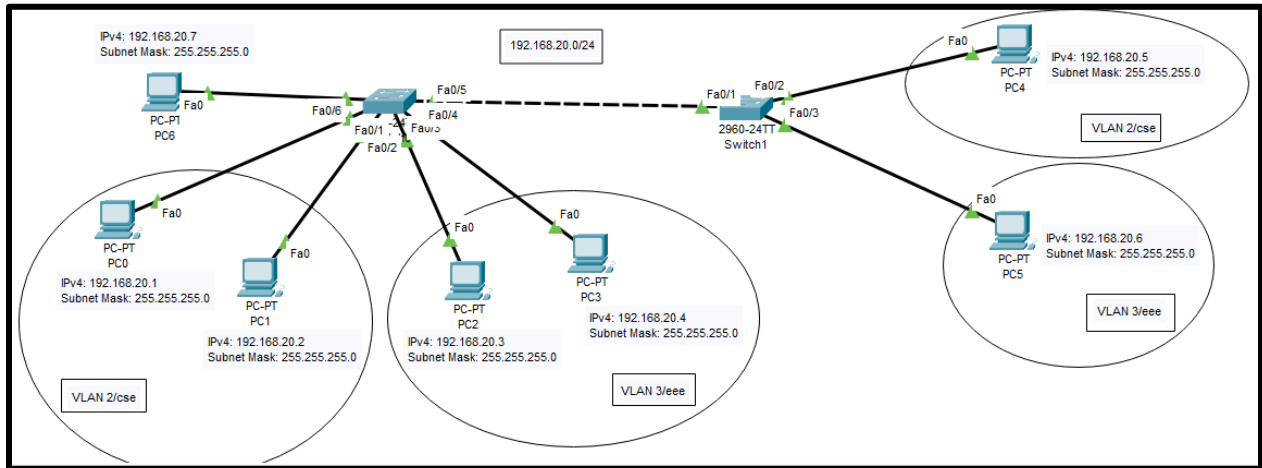
```
Switch(config-if)#switchport access vlan 2
```

```
Switch(config-if)#exit
```

```
Switch(config)#interface fastEthernet 0/3
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 3
Switch(config-if)#exit
Switch(config)#interface fastEthernet 0/4
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 3
Switch(config-if)#exit

Switch(config)#do show vlan brief
```

VTP



Switch 0

```
Switch(config)#interface fastEthernet 0/5
Switch(config-if)#switchport mode trunk
Switch(config-if)#exit
```

```
Switch(config)#vtp domain aiub
Switch(config)#vtp mode server
```

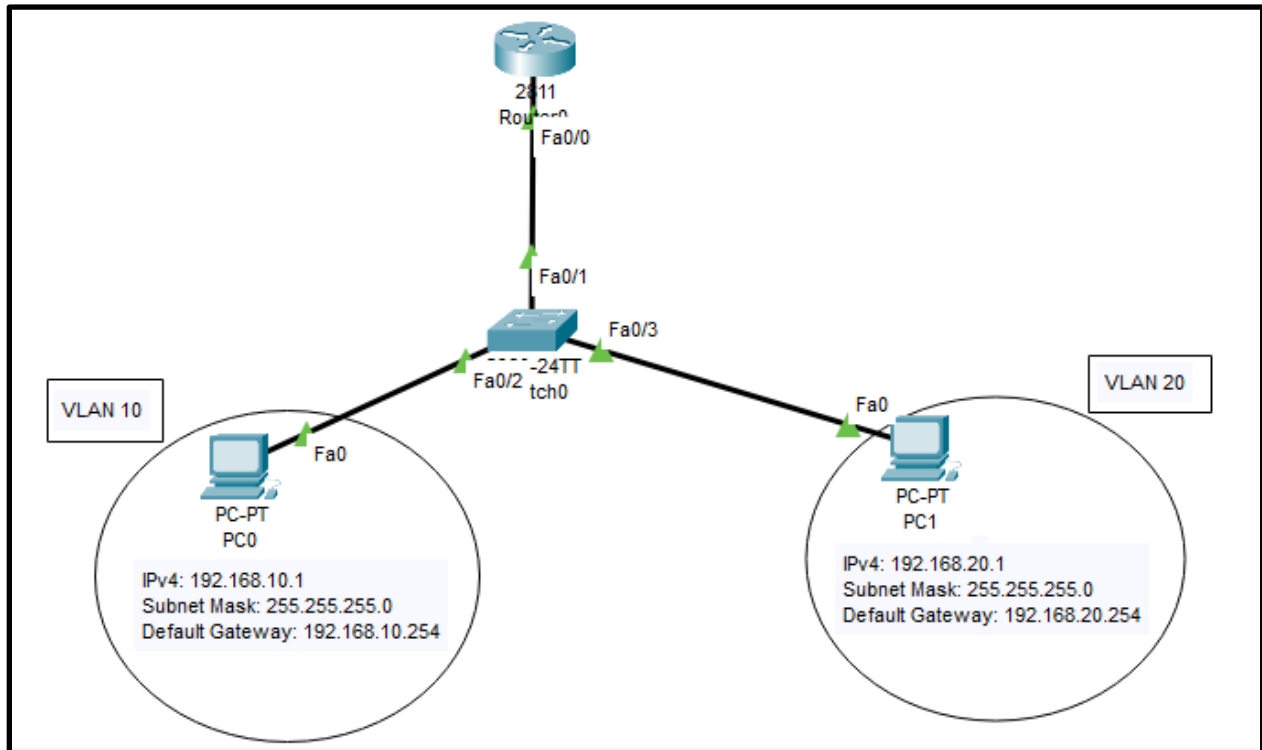
Switch 1

```
Switch(config)#vtp domain aiub
Switch(config)#vtp mode client
```

```
Switch(config)#do show vlan brief
```

```
Switch(config)#interface fastEthernet 0/2
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 2
Switch(config-if)#exit
Switch(config)#interface fastEthernet 0/3
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 3
Switch(config-if)#exit
```

Inter-VLAN Routing



Switch 0

```
Switch>enable
Switch#configure terminal
```

```
Switch(config)#vlan 10
Switch(config-vlan)#exit
Switch(config-vlan)#vlan 20
Switch(config-vlan)#exit
```

```
Switch(config)#interface fastEthernet 0/2
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 10
Switch(config-if)#exit
Switch(config)#interface fastEthernet 0/3
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 20
Switch(config-if)#exit
```

```
Switch(config)# interface fastEthernet 0/1
Switch(config-if)#switchport mode trunk
```

Router 0

```
Router(config)#interface fa0/0
```

```
Router(config-if)#no shutdown
```

```
Router(config-if)#interface fa0/0.10
```

```
Router(config-subif)#encapsulation dot1q 10
```

```
Router(config-subif)#ip address 192.168.10.254 255.255.255.0
```

```
Router(config-subif)#interface fa0/0.20
```

```
Router(config-subif)#encapsulation dot1q 20
```

```
Router(config-subif)#ip address 192.168.20.254 255.255.255.0
```