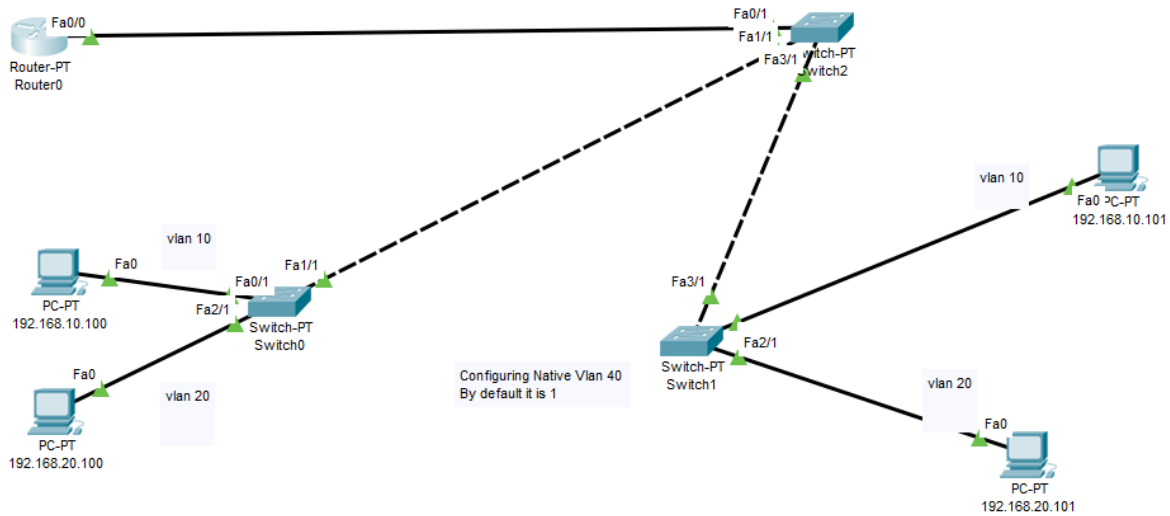


Vlan Inter Routing (Router-on-a-stick)



Switch0	Switch1	Switch2	Router0
Switch#configure terminal	Switch#configure terminal	Switch#configure terminal	Router#configure terminal
Switch(config)#vlan 10	Switch(config)#vlan 10	Switch(config)#vlan 10	Router(config)#int fa0/0
Switch(config-vlan)#name cse	Switch(config-vlan)#name cse	Switch(config-vlan)#name cse	Router(config-if)#no shutdown
Switch(config-vlan)#exit	Switch(config-vlan)#exit	Switch(config-vlan)#exit	Router(config-if)#exit
Switch(config)#vlan 20	Switch(config-vlan)#vlan 20	Switch(config)#vlan 20	Router(config)#int fa0/0.10
Switch(config-vlan)#name eee	Switch(config-vlan)#name eee	Switch(config-vlan)#name eee	Router(config-subif)#encapsulation dot1Q 10
Switch(config-vlan)#exit	Switch(config-vlan)#exit	Switch(config-vlan)#exit	Router(config-subif)#ip address 192.168.10.1 255.255.255.0
Switch(config)#vlan 40	Switch(config-vlan)#vlan 40	Switch(config)#vlan 40	Router(config-subif)#exit
vlan)#name native	Switch(config-vlan)#name native	Switch(config-vlan)#name native	Router(config)#int fa0/0.20
Switch(config-vlan)#exit	Switch#show vlan brief	Switch(config-vlan)#exit	Router(config-subif)#encapsulation dot1Q 20
Switch(config)#int fa0/1	Switch#config t	Switch(config)#int fa1/1	Router(config-subif)#ip address 192.168.20.1 255.255.255.0
Switch(config-if)#switchport mode access	Switch(config)#int fa3/1	Switch(config-if)#switchport mode trunk	Router(config-subif)#exit
	Switch(config-if)#switchport mode trunk	Switch(config-if)#switchport trunk allowed vlan 10,20	

Switch(config-if)#switchport access vlan 10 Switch(config-if)#exit Switch(config)#interface fastethernet2/1 Switch(config-if)#switchport mode access Switch(config-if)#switchport access vlan 20 Switch(config-if)#int fa1/1 Switch(config-if)#switchport mode trunk Switch(config-if)#switchport trunk allowed vlan 10,20 Switch(config-if)#switchport trunk native vlan 40 Switch(config-if)#exit	Switch(config-if)#switchport trunk allowed vlan 10,20 Switch(config-if)#switchport trunk native vlan 40 Switch(config-if)#interface fastethernet0/1 Switch(config-if)#switchport mode access Switch(config-if)#switchport access vlan 10 -if)#interface fastethernet2/1 Switch(config-if)#switchport mode access Switch(config-if)#switchport access vlan 20 Switch(config-if)#exit Switch#show int trunk	Switch(config-if)#switchport trunk native vlan 40 Switch(config-if)#int fa3/1 Switch(config-if)#switchport mode trunk Switch(config-if)#switchport trunk allowed vlan 10,20 Switch(config-if)#switchport trunk native vlan 40 Switch#show int trunk Switch(config)#int fa0/1 Switch(config-if)#switchport mode trunk Switch(config-if)#switchport trunk allowed vlan 10,20 Switch(config-if)#switchport trunk native vlan 40 Switch(config-if)#exit	
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#show vlan [brief | name { name } | summary]