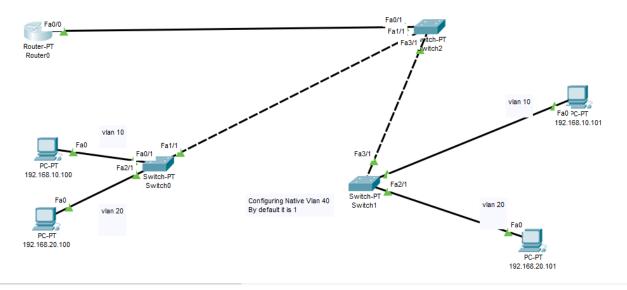
Vlan Inter Routing (Router-on-a-stick)



Switch0	Switch1	Switch2	Router0
Switch#configure	Switch#configure	Switch#configure	Router#configure terminal
terminal	terminal	terminal	Router(config)#int fa0/0
Switch(config)#vlan 10	Switch(config)#vlan	Switch(config)#vlan 10	Router(config-if)#no
Switch(config-	10	Switch(config-	shutown
vlan)#name cse	Switch(config-	vlan)#name cse	Router(config-if)#exit
Switch(config-	vlan)#name cse	Switch(config-vlan)#ex	Router(config)#int fa0/0.10
vlan)#exit	Switch(config-	Switch(config)#vlan 20	Router(config-
Switch(config)#vlan 20	vlan)#vlan 20	Switch(config-	subif)#encapsulation dot1Q
Switch(config-	Switch(config- vlan)#name eee	vlan)#name eee	10
vlan)#name eee	'	vlan)#ex	Router(config-subif)#ip add
Switch(config-	Switch(config- vlan)#vlan 40	Switch(config)#vlan 40	192.168.10.1 255.255.255.0
vlan)#exit		Switch(config-	Router(config-subif)#exit
Switch(config)#vlan 40	Switch(config- vlan)#name native	vlan)#name native	Router(config)#int fa0/0.20
vlan)#name native	Switch#show vlan	Switch(config-	Router(config-
Switch(config-	brief	vlan)#exit	subif)#encapsulation dot1Q
vlan)#exit	Switch#config t	Switch(config)#int fa1/1	20
Switch(config)#int fa0/1	Switch(config)#int	Switch(config-	Router(config-subif)#ip
Switch(config-	fa3/1	if)#switchport mode	address 192.168.20.1
if)#switchport mode	Switch(config-	trunk	255.255.255.0
access	if)#switchport mode	Switch(config-	Router(config-subif)#exit
	trunk	if)#switchport trunk	
		allowed vlan 10,20	

Switch(config- if)#switchport access vlan 10	Switch(config- if)#switchport trunk allowed vlan 10,20	Switch(config- if)#switchport trunk native vlan 40	
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 allowed vlan 40 Switch(config-if)#exit	allowed vlan 10,20 Switch(configif)#switchport trunk native vlan 40 Switch(configif)#interface fastethernet0/1 Switch(configif)#switchport mode access Switch(configif)#switchport access vlan 10 -if)#interface fastethernet2/1 Switch(configif)#switchport mode access Switch(configif)#switchport mode access Switch(configif)#switchport access Switch(configif)#switchport access vlan 20 Switch(configif)#exit	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-if)#switchport mode trunk Switch(config-if)#switchport trunk allowed vlan 10,20 Switch(config-if)#switchport trunk allowed vlan 10,20 Switch(config-if)#switchport trunk	
	Switch#show int trunk	native vlan 40 Switch(config-if)#exit	

 $\#show\;vlan\;[\;brief\;|\;name\;\{\;name\;\}\;|\;summary\;]$