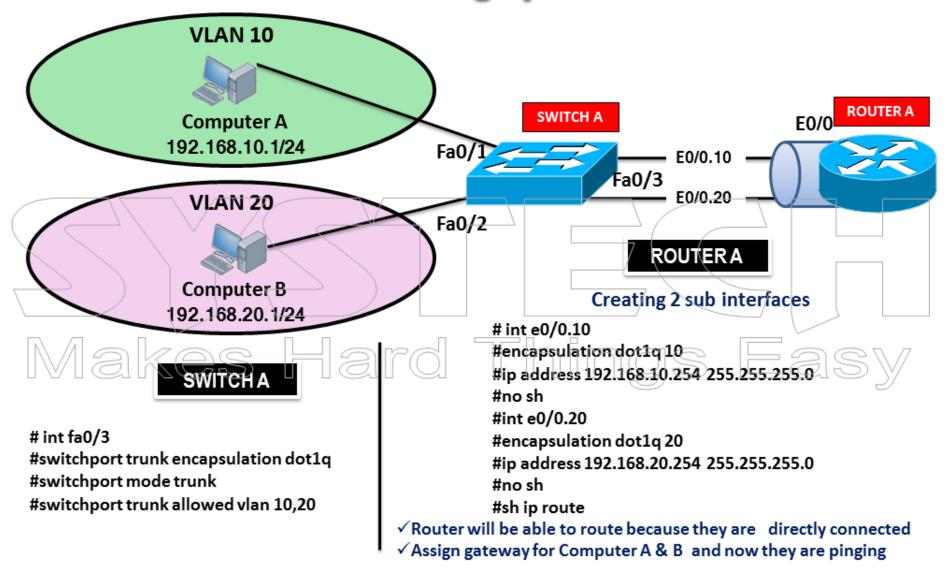
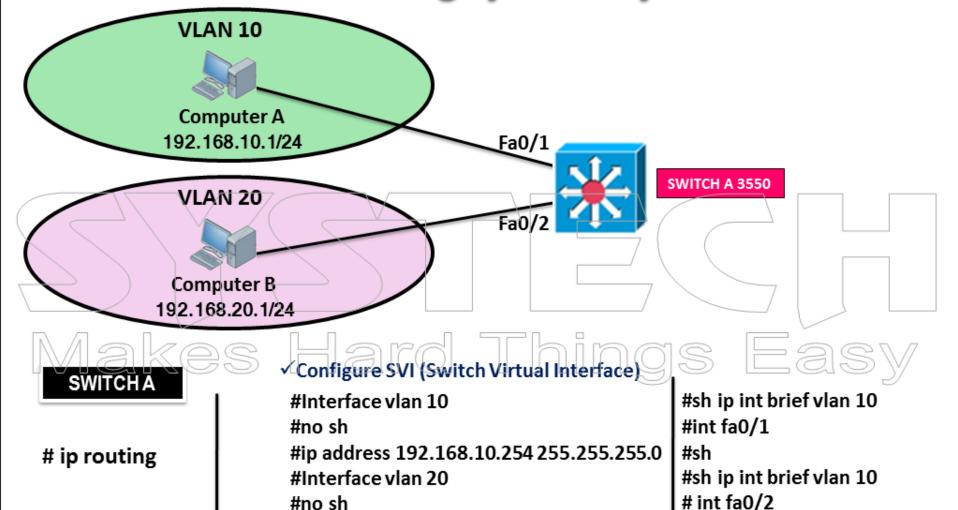
## Inter VLAN routing by Router on a stick





## Inter VLAN routing by Multi layer switch

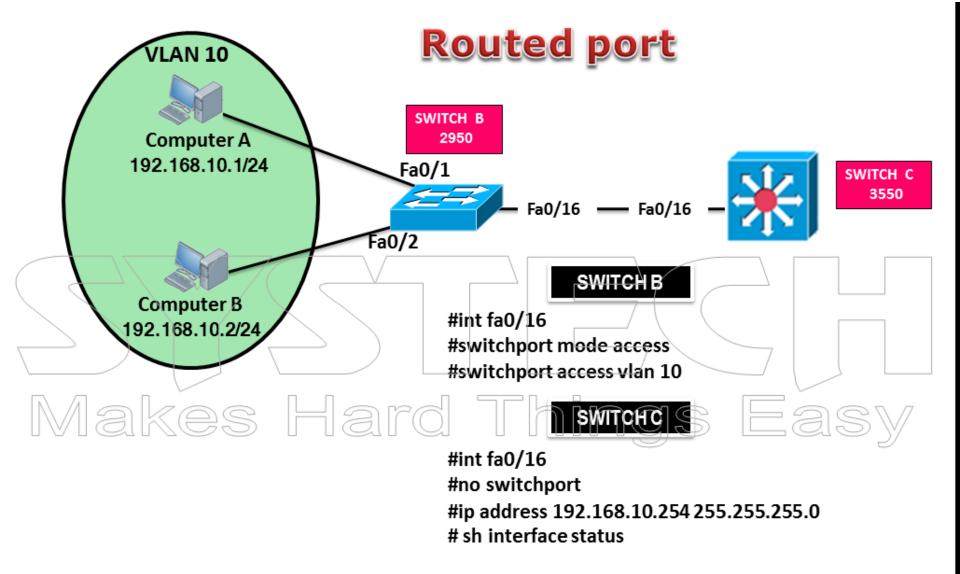


#ip address 192.168.20.254 255.255.255.0

✓ Now Computer A & B will ping



#switchport autostate exclude



✓ It's no longer a switchport so it's not associated with any VLAN
✓ Its a routed port but it doesn't support sub-interfaces like router does



## **DHCP Configuration**



✓If we use multilayer switch as gateway we might have to configure it as DHCP server as well

SWITCHA

Makes Hard

#int vlan 10 #ip address 192.168.10.254 255.255.255.0 #int fa0/1 #switchport access vlan 10 #ip dhcp pool systechvian10 #network 192.168.10.0255.255.255.0 #default-router 192.168.10.254 #exit #ip dhcp excluded-address 192.168.10.254

#debug ip dhcp server packet #show ip dhcp binding



