

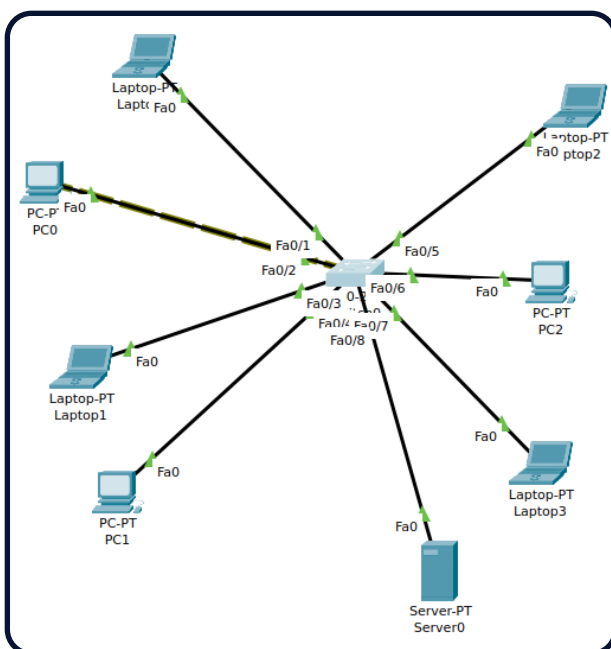
Assignment 1

Required

- Configure hostnames and IP addresses on two Cisco Internetwork Operating(IOS) switches.
- Use Cisco IOS commands to specify or limit access to the device configurations.
- Use IOS commands to save the running configuration.
- Configure 8 hosts with IP addresses then create 4 hosts in the network and others in a different network and connect 2 devices in a VLAN in each network.
- Verify connectivity between the eight PC end devices

Solution

Here are screenshots of the simulation which I created on *Cisco Packet Tracer*. The left network is 192.168.0.0/25 and the left network is 192.168.0.128/25. The left network's devices' IPs are 192.168.0.1-4 and the right's 192.168.0.129-132.



The network

```
Switch#show vlan
```

VLAN	Name	Status	Ports
1	default	active	Fa0/3, Fa0/4, Fa0/7, Fa0/8 Fa0/9, Fa0/10, Fa0/11, Fa0/12 Fa0/13, Fa0/14, Fa0/15, Fa0/16 Fa0/17, Fa0/18, Fa0/19, Fa0/20 Fa0/21, Fa0/22, Fa0/23, Fa0/24 Gig0/1, Gig0/2
100	vlan1	active	Fa0/1, Fa0/2
101	vlan2	active	Fa0/5, Fa0/6
1002	fddi-default	active	
1003	token-ring-default	active	
1004	fddinet-default	active	
1005	trnet-default	active	

VLAN	Type	SAID	MTU	Parent	RingNo	BridgeNo	Stp	BrdgMode	Trans1	Trans2
1	enet	100001	1500	-	-	-	-	-	0	0
100	enet	100100	1500	-	-	-	-	-	0	0
101	enet	100101	1500	-	-	-	-	-	0	0
1002	fddi	101002	1500	-	-	-	-	-	0	0

show vlan IOS command on the switch

To verify and view the full simulation, feel free to go to http://university.files.nourgaser.com/data_comm/assignment1

