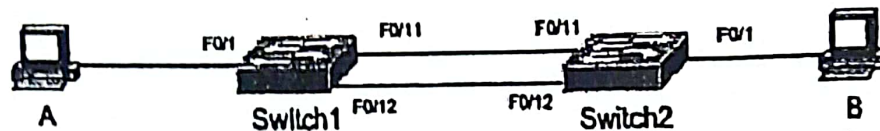## Lab 19 – 2950 IP Addresses

You are building a Lab network to test switching configuration. Host A (on the left) should be setup with an IP address of 192.168.100.1 /24 and Host B (on the right) should be setup with an IP address of 192.168.100.2 /24. Set the hostname on the switch on the left to "switch1" and the hostname on the switch on the right to "switch2". Set the IP address of switch1 to be 192.168.100.101 /24. Set the IP address of switch2 to be 192.168.100.102 /24. Use the default VLAN for management.

S1
hostname switch1
!
interface vlan 1
ip address 192.168.100.101 255.255.255.0
no shut

S2
hostname switch2
!
interface vlan 1
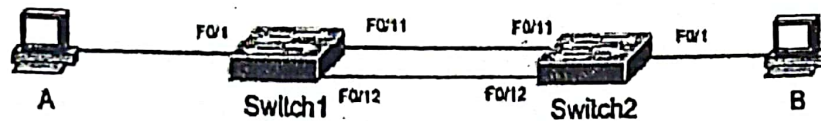ip address 192.168.100.102 255.255.255.0
no shut

Host A:
Ipconfig /IP 192.168.100.1 255.255.255.0

Host B:
Ipconfig /IP 192.168.100.2 255.25.255.0

Lab 20 – 2950 Trunk

You are building a Lab network to test switching configuration. Host A (on the left) should be setup with an IP address of 192.168.100.1 /24 and Host B (on the right) should be setup with an IP address of 192.168.100.2 /24. Configure the F0/11 and F0/12 of the switches to always be trunks. Each side should send DTP frames.

```
S1
hostname switch1
!
interface fastethernet 0/11
switchport mode trunk
!
interface fastethernet 0/12
switchport mode trunk
```

```
S2
hostname switch2
!
interface fastethernet 0/11
switchport mode trunk
!
interface fastethernet 0/12
switchport mode trunk
```
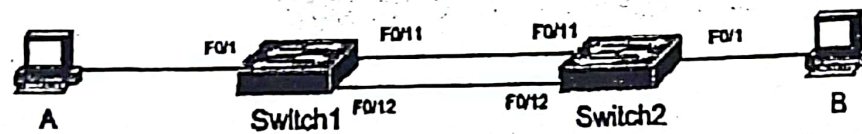
```
Host A:
Ipconfig /IP 192.168.100.1 255.255.255.0

Host B:
Ipconfig /IP 192.168.100.2 255.255.255.0
```

Lab 21 – 2950 Trunk (Dynamic)

You are building a Lab network to test switching configuration. Host A (on the left) should be setup with an IP address of 192.168.100.1 /24 and Host B (on the right) should be setup with an IP address of 192.168.100.2 /24. Configure the F0/11 and F0/12 of the switches to always attempt to be trunks. Each side should send DTP frames.

```
S1
hostname switch1
!
interface fastethernet 0/11
switchport mode dynamic desirable
!
interface fastethernet 0/12
switchport mode dynamic desirable
```

```
S2
hostname switch2
!
interface fastethernet 0/11
switchport mode dynamic desirable
!
interface fastethernet 0/12
switchport mode dynamic desirable
```

Host A:
Ipconfig /IP 192.168.100.1 255.255.255.0

Host B:
Ipconfig /IP 192.168.100.2 255.255.255.0

Lab 22 – 2950 VLANs
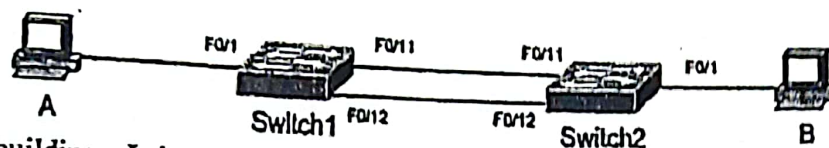
You are building a Lab network to test switching configuration. Host A (on the left) should be setup with an IP address of 192.168.100.1 /24 and Host B (on the right) should be setup with an IP address of 192.168.100.2 /24. Create VLAN 10 and 100 on switch1 and add ports 2 – 4 to VLAN 10 (Hint: Vlan database mode is where you can add vlans. i.e. Switch1#vlan database)

Note: When you are finished with this lab please continue with lab 23 before you load another lab.

S1
hostname switch1
!
Interface fastethernet 0/2
Switchport access vlan 10
!
Interface fastethernet 0/3
Switchport access vlan 10
!
Interface fastethernet 0/4
Switchport access vlan 10
!
vlan 10
vlan 100

S2
hostname switch2
!
Host A:
Ipconfig /IP 192.168.100.1 255.255.255.0

Host B:
Ipconfig /IP 192.168.100.2 255.255.255.0

Lab 23 – 2950 Deleting VLANs
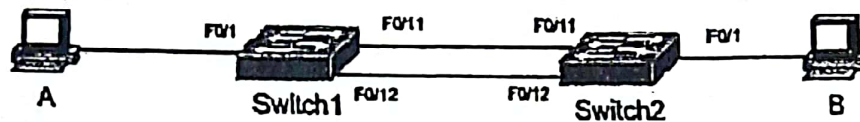
You are building a Lab network to test switching configuration. Host A (on the left) should be setup with an IP address of 192.168.100.1 /24 and Host B (on the right) should be setup with an IP address of 192.168.100.2 /24. Remove all vlan configurations from the previous lab.

S1
hostname switch1
!
Interface fastethernet 0/2
!
Interface fastethernet 0/3
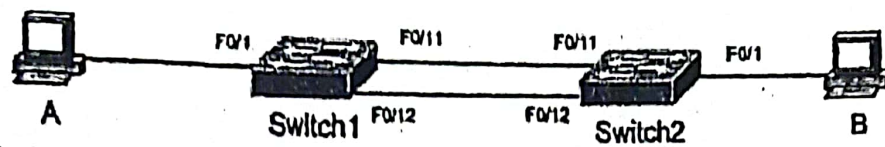!
Interface fastethernet 0/4

S2
hostname switch2
!

Host A:
Ipconfig /IP 192.168.100.1 255.255.255.0

Host B:
Ipconfig /IP 192.168.100.2 255.255.255.0

Lab 24 – 2950 VTP

You are building a Lab network to test switching configuration. Configure the F0/11 and F0/12 of the switches to always be trunks. Set the VTP domain to be "cisco". Create VLAN 10 and 100 on switch2 and confirm that they are seen on switch1. HINT: Don't foget about the vlan database mode (Switch1#vlan database).
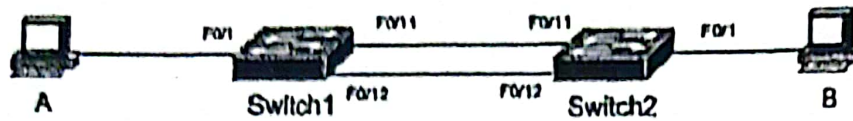
S1
```
hostname switch1
!
interface fastethernet 0/11
switchport mode trunk
!
interface fastethernet 0/12
switchport mode trunk
!
vtp server
vtp domain cisco
```

S2
```
hostname switch2
!
interface fastethernet 0/11
switchport mode trunk
!
interface fastethernet 0/12
switchport mode trunk
!
vtp server
vtp domain cisco
!
vlan 10
vlan 100
```

Lab 25 – 2950 VTP w/ client

You are building a Lab network to test switching configuration. Configure the F0/11 and F0/12 of the switches to always be trunks. Set the VTP domain to be "cisco". Make sure that VLANs can not be created on switch2. Create VLAN 10 and 100 on switch1 and confirm that they are seen on switch2. Switch2 will function as a client this time.

```
S1
hostname switch1
!
interface fastethernet 0/11
switchport mode trunk
!
interface fastethernet 0/12
switchport mode trunk
!
vtp server
vtp domain cisco
!
vlan 10
vlan 100


S2
hostname switch2
!
interface fastethernet 0/11
switchport mode trunk
!
interface fastethernet 0/12
switchport mode trunk
!
vtp client
vtp domain cisco
```

Lab 26 – 2950 Telnet

A   Switch1 F0/12   F0/12 Switch2   B
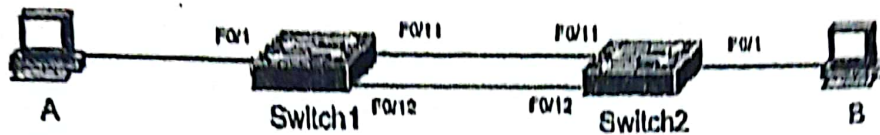
You are building a Lab network to test switching configuration. Set the hostname on the switch on the left to "switch1" and the hostname on the switch on the right to "switch2". Set the IP address of switch1 to be 192.168.100.101 /24. Set the IP address of switch2 to be 192.168.100.102 /24. Use the default VLAN for management. Make sure that each switch can be managed with a telnet password of "cisco".

S1
hostname switch1
!
interface vlan 1
ip address 192.168.100.101 255.255.255.0
no shut
!
Line vty 0 15
Login
Password cisco

S2
hostname switch2
!
interface vlan 1
ip address 192.168.100.102 255.255.255.0
no shut
!
Line vty 0 15
Login
Password cisco