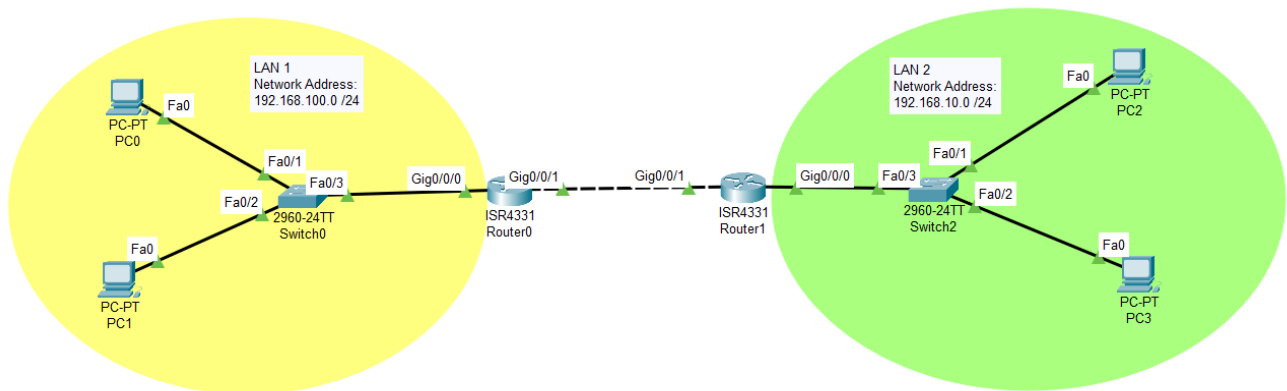


## Packet Tracer Lab1

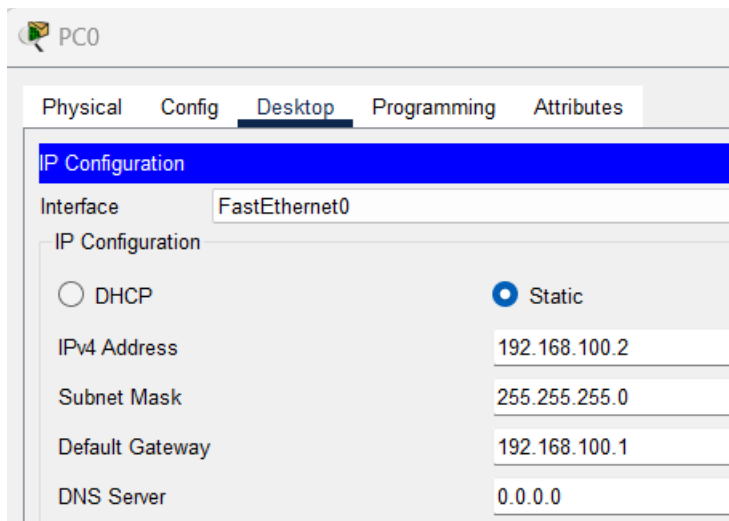
Network Segment	Device Name	Interface	IP Address	Subnet mask
LAN 1	PC0	Fa0	192.168.100.2	255.255.255.0
	PC1	Fa0	192.168.100.3	255.255.255.0
	Switch0	Fa0/1 to Fa0 (PC0)	NA	NA
		Fa0/2 to Fa0 (PC1)		
		Fa0/3 to Gig 0/0/0		
	Router0	Gig0/0/0	192.168.100.1	255.255.255.0
		Gig0/0/1	192.168.1.1	255.255.255.0
LAN 2	PC2	Fa0	192.168.10.2	255.255.255.0
	PC3	Fa0	192.168.10.3	255.255.255.0
	Switch2	Fa0/1 to Fa0 (PC2)	NA	NA
		Fa0/2 to Fa0 (PC3)		
		Fa0/3 to Gig 0/0/0		
	Router1	Gig0/0/0	192.168.10.1	255.255.255.0
		Gig0/0/1	192.168.1.2	255.255.255.0

## Network Topology



## LAN 1 Configuration:

### PC0



PC0

Physical Config **Desktop** Programming Attributes

**IP Configuration**

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 192.168.100.2

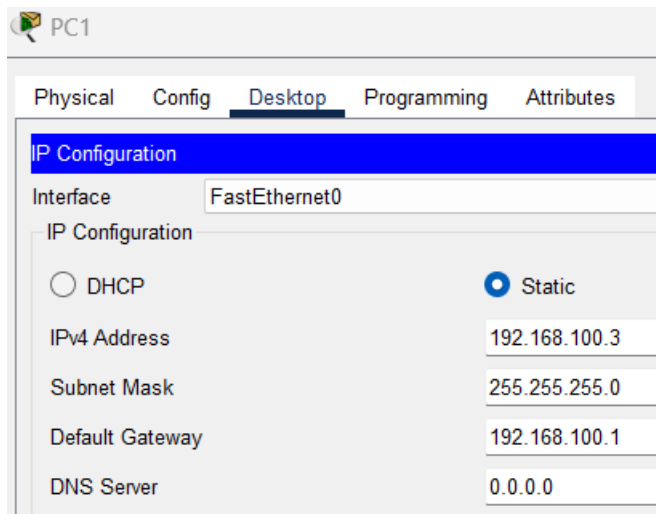
Subnet Mask 255.255.255.0

Default Gateway 192.168.100.1

DNS Server 0.0.0.0

Detailed description: This is a screenshot of the 'PC0' configuration window in a network simulator. The 'Desktop' tab is selected. Under the 'IP Configuration' section, the 'Static' radio button is chosen. The IPv4 address is set to 192.168.100.2, the subnet mask to 255.255.255.0, the default gateway to 192.168.100.1, and the DNS server to 0.0.0.0. The interface is FastEthernet0.

### PC1



PC1

Physical Config **Desktop** Programming Attributes

**IP Configuration**

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 192.168.100.3

Subnet Mask 255.255.255.0

Default Gateway 192.168.100.1

DNS Server 0.0.0.0

Detailed description: This is a screenshot of the 'PC1' configuration window in a network simulator. The 'Desktop' tab is selected. Under the 'IP Configuration' section, the 'Static' radio button is chosen. The IPv4 address is set to 192.168.100.3, the subnet mask to 255.255.255.0, the default gateway to 192.168.100.1, and the DNS server to 0.0.0.0. The interface is FastEthernet0.

## R0

```
Router0
Physical Config CLI Attributes

IOS Command Line Interface

Would you like to enter the initial configuration dialog? [yes/no]:
% Please answer 'yes' or 'no'.
Would you like to enter the initial configuration dialog? [yes/no]: no

Press RETURN to get started!

Router>en
Router#config
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface gig0/0/0
Router(config-if)#ip address 192.168.100.1 255.255.255.0
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0/0, changed state to up

Router(config-if)#exit
Router(config)#hostname R0
R0(config)#interface gig0/0/1
R0(config-if)#ip address 192.168.10.1 255.255.255.0
R0(config-if)#no shutdown

R0(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0/1, changed state to up

R0(config-if)#exit
R0(config)#exit
R0#
%SYS-5-CONFIG_I: Configured from console by console
copy run
R0#copy running-config st
R0#copy running-config startup-config
Destination filename [startup-config]?
Building configuration...
[OK]
R0#
```

## LAN 2 Configuration:

### PC2

PC2

Physical Config Desktop Programming Attributes

IP Configuration

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 192.168.10.2

Subnet Mask 255.255.255.0

Default Gateway 192.168.10.1

DNS Server 0.0.0.0

### PC3

PC3

Physical Config Desktop Programming Attributes

IP Configuration

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 192.168.10.3

Subnet Mask 255.255.255.0

Default Gateway 192.168.10.1

DNS Server 0.0.0.0

## R1

```
R1(config)#interface gig0/0/0
R1(config-if)#ip address 192.168.10.1 255.255.255.0
R1(config-if)#no shutdown
R1(config-if)#exit
R1(config)#interface gig0/0/1
R1(config-if)#ip address 192.168.1.2 255.255.255.0
R1(config-if)#no shutdown
R1(config-if)#exit
R1(config)#exit
R1#
%SYS-5-CONFIG_I: Configured from console by console

R1#copy run
R1#copy running-config st
R1#copy running-config startup-config
Destination filename [startup-config]?
Building configuration...
[OK]
R1#
```

---