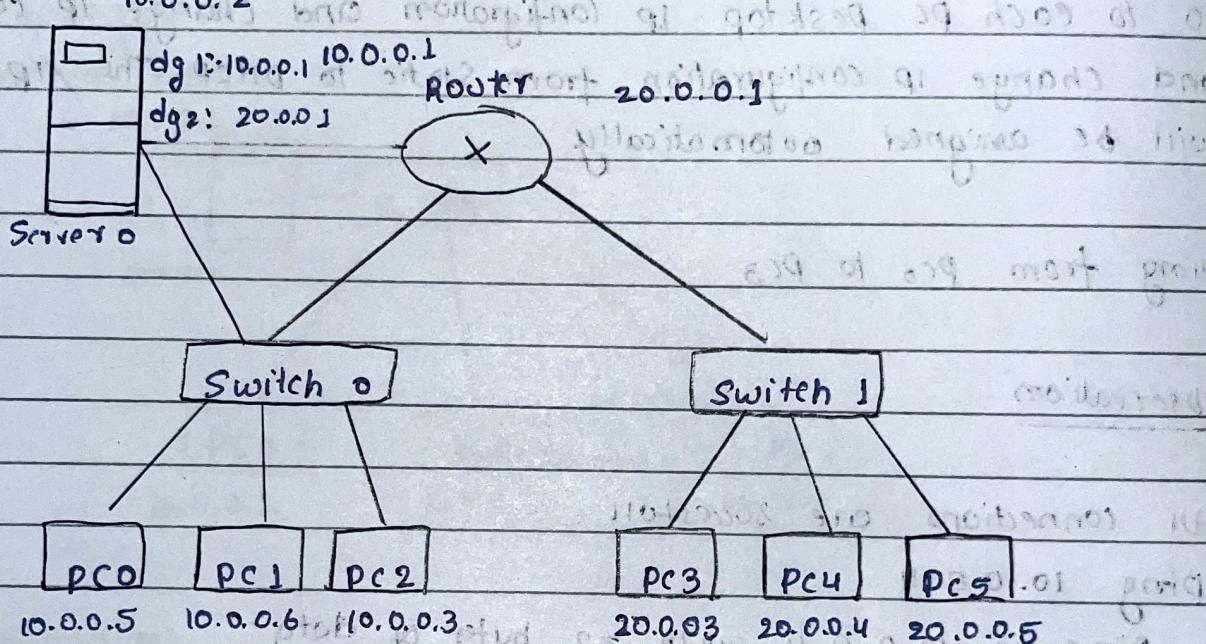


Objective:

To design a DHCP outside LAN

Topology:

outside LAN



Procedure:

1. Place a 6 PC's, 2 switch, 2 servers, 1 router and connect them as shown in the figure
2. Server → Desktop → IP configuration
IP address - 10.0.0.2
Def. gateway - 10.0.0.1
3. Config → Services → DHCP, turn services to on
poolname : Switchone
Def gateway : 10.0.0.1 Start IP : 10.0.0.3

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max users: 10

Click on Add

Pool name: Switchtwo

Def gateway: 20.0.0.1

Start IP: 20.0.0.3

4. Go to router CLI

> enable

config terminal

interface fastethernet 0/0

ip address 10.0.0.1 255.0.0.0

ip helper-address 10.0.0.2

no shut

exit

5.

interface fastethernet 0/0

ip address 20.0.0.1 255.0.0.0

no shut

exit

All ~~com~~ router, switch connections go up

5) Go to all 5 PC's and change IP configuration from static to DHCP address will be automatically assigned

6) ping PC0 to PC5.

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Observation

or sample X/Y/Z

1> All connections are successful.

2> All the pc's get assigned DHCP IP address.

~~✓
13/11/24~~