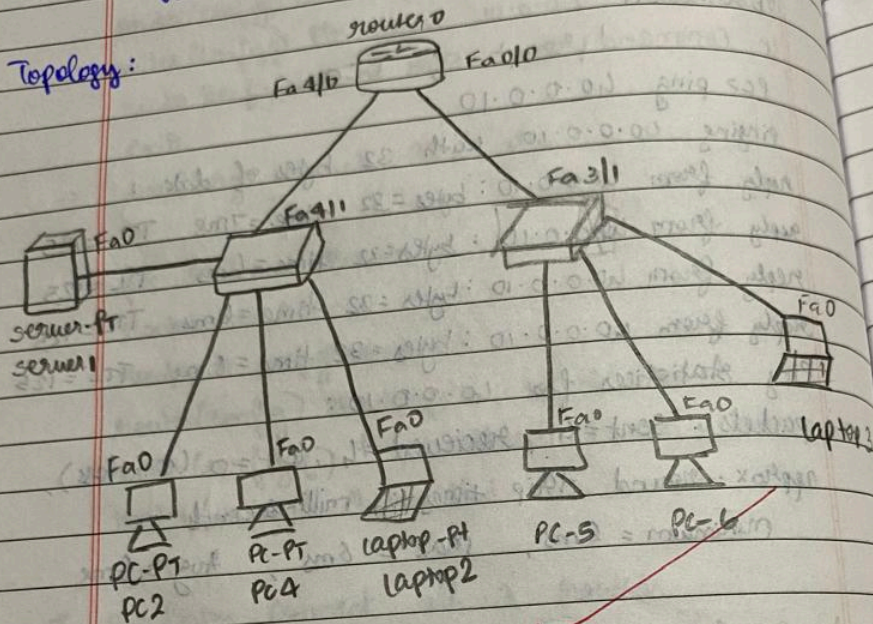


Lab 5 - 13/11/24 Experiment 4

LAB-5
EXP 4

Aim: Configure DHCP within a LAN & outside LAN.

Topology:



Procedure:

- Take switch, 3 end devices and one server as end device.
- go to server desktop config service, DHCP
- change the services on change IP address max no. of devices & press add.
- go to desktop IP config of all end devices and turn on DHCP. The automatic IP add will be given.

IP address = 10.0.0.2
def gateway = 10.0.0.1

LAN.

go to config → services → DHCP set poolname.
def. gateway 10.0.0.0 show

IP address 10.0.0.3 & mask number 100

→ Take another switch & connect 3 end devices.

→ connect 2 switch to router through automatic connection (fast ethernet).

→ Now goto server IP config.

IP 10.0.0.2

def gateway 10.0.0.1

change pool name switch

def. gateway 10.0.0.1

serve.

→ create another pool with name switch 2.

→ set default gateway 20.0.0.1

IP → 20.0.0.3

max → 100 Add.

route terminal

CLI commands.

interface fastethernet 4/10

ip address 10.0.0.1 255.0.0.0

ip helper-address 10.0.0.2

no shut

exit

interface fastethernet 0/0

ip address 20.0.0.1 255.0.0.0

ip helper-address 10.0.0.2

no shut

exit

observation.

PC> ping 10.0.0.4

pinging 10.0.0.4 with 32 bytes of data.
reply from 10.0.0.4: bytes=32 time=0ms

TTL=128

ping statistics for 10.0.0.4:

packets sent=4, received=4, lost=0

0% loss.

Approx round trip time in ms

min = 0 ms, max = 0 ms, Avg = 0 ms

8th
13/11

