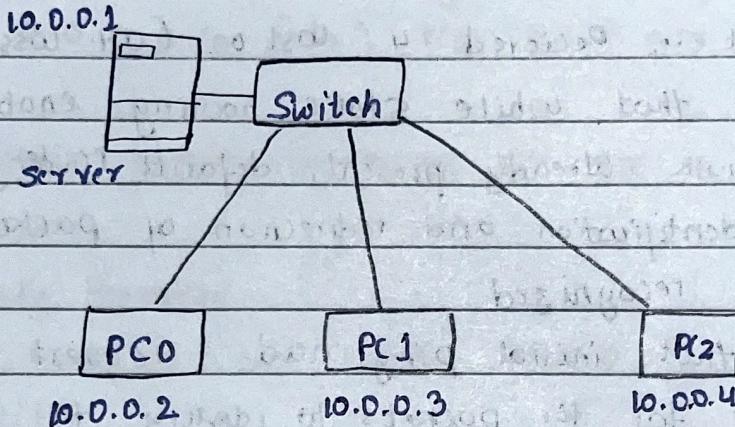


DHCP Server Configuration

Objectives :- To Design a DHCP within LAN

Topology :-

i) within LAN



Procedure:-

- 1) Place 3 PC's 1 server and one switch and connect all end devices to the switch using copper straight line
- 2) Go to SERVER PT → Desktop → IP configuration
IP address - 10.0.0.1
Default Gateway = 10.0.0.0
- 3) In SERVERPT go to config → servers & services → DHCP turn services to on

13-11-2024

30.8.2024 14:05:11 99

pool name : Switchone

Default gateway : 10.0.0.0

start IP : 10.0.0.3

Max no. of users : 100

Click on Add

4 Go to each PC Desktop - IP configuration and Change IP configuration and change IP configuration from Static to DHCP. The IP address will be assigned automatically.

5. Ping from PC0 to PC3

Observation

1. All connections are successful

2. All connections are successful

1) All connections are successful

2) Ping 10.0.0.4

Pinging 10.0.0.4 with 32 bytes of data:

packet : Sent = 4, Received = 4, Lost = 0 (0% loss).

Time taken: 00:00:00.000000000

Time taken: 00:00:00.000000000

Time taken: 00:00:00.000000000

Time taken: 00:00:00.000000000

Time taken: 00:00:00.000000000