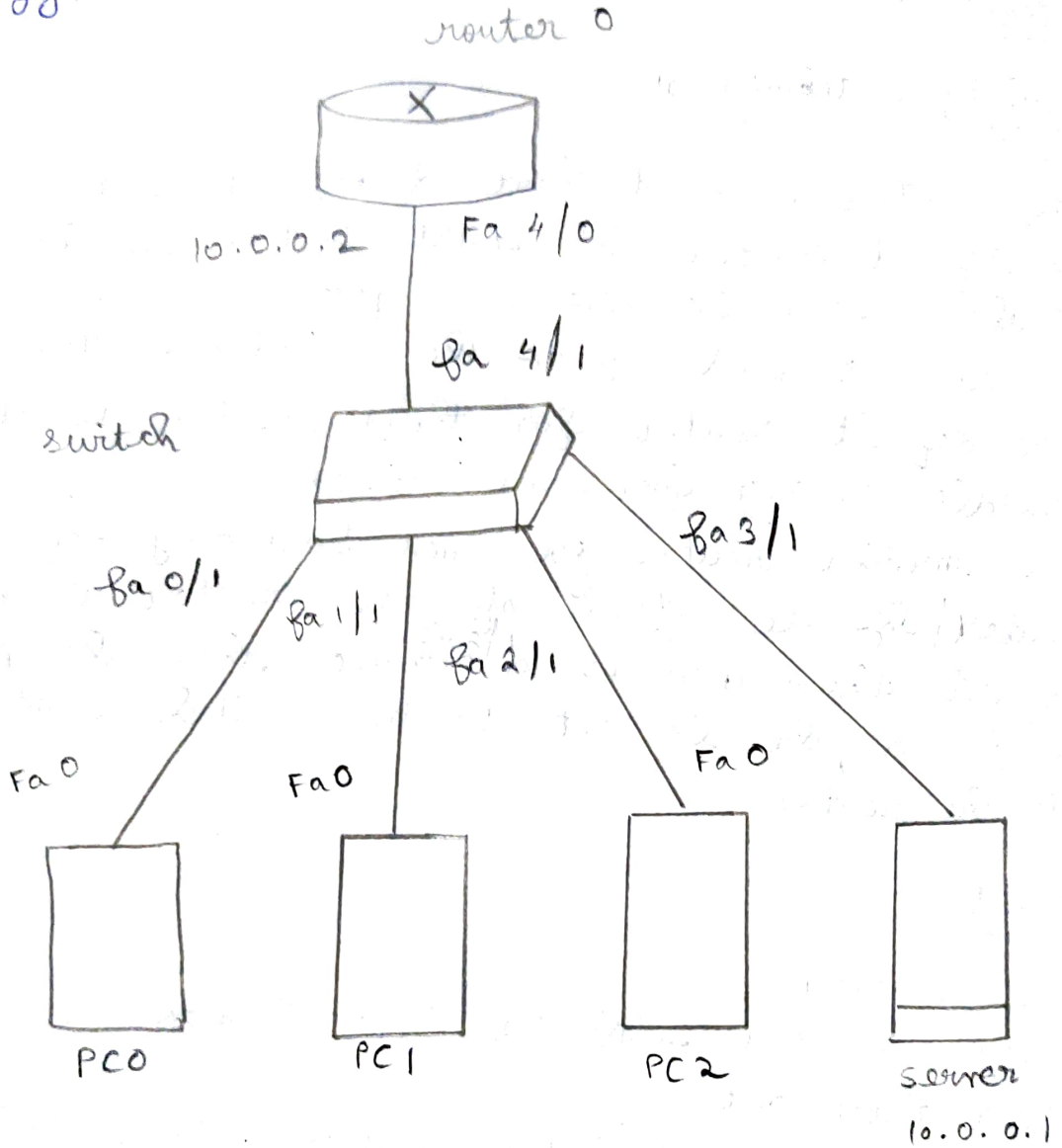


AIM :- Configuring DHCP within a LAN in a packet tracer.

Topology :-



Procedure:

- * Place 3 PC's, one router, one generic switch, one server and connect everything with copper straight wire.
- * Place note 10.0.0.2 for router indicating gateway and 10.0.0.1 for server indicating its IP address.
- * Interface the corresponding fastethernet interface for router using CLI :-
 - enable
 - config t
 - interface fastethernet 3/0
 - ip address 10.0.0.2 255.0.0.0
 - no shut
- * Now configure server by clicking services tab in server:
 - set default gateway
 - set DNS server
 - set starting IP address as 10.0.0.3
 - Max. no of users is 8
 - TFTP server as 10.0.0.1
 - Then click on save.
- * Then click on PC0, go to desktop, click on IP configuration and you click on DHCP.

Observations:

- * When we select DHCP mode, it automatically fetches gateway from server for which we had configured already.

Result :-

ping 10.0.0.5

pinging 10.0.0.5 with 32 bytes of data :-

Reply from 10.0.0.5, bytes=32 time=1ms TTL=128

Reply from 10.0.0.5, bytes=32 time=0ms TTL=128

Reply from 10.0.0.5, bytes=32 time=0ms TTL=128

Reply from 10.0.0.5, bytes=32 time=0ms TTL=128

ping statistics for 10.0.0.5 :-

Packets sent = 4, Received = 4, Loss = 0 (0% loss)

✓
8/12/22