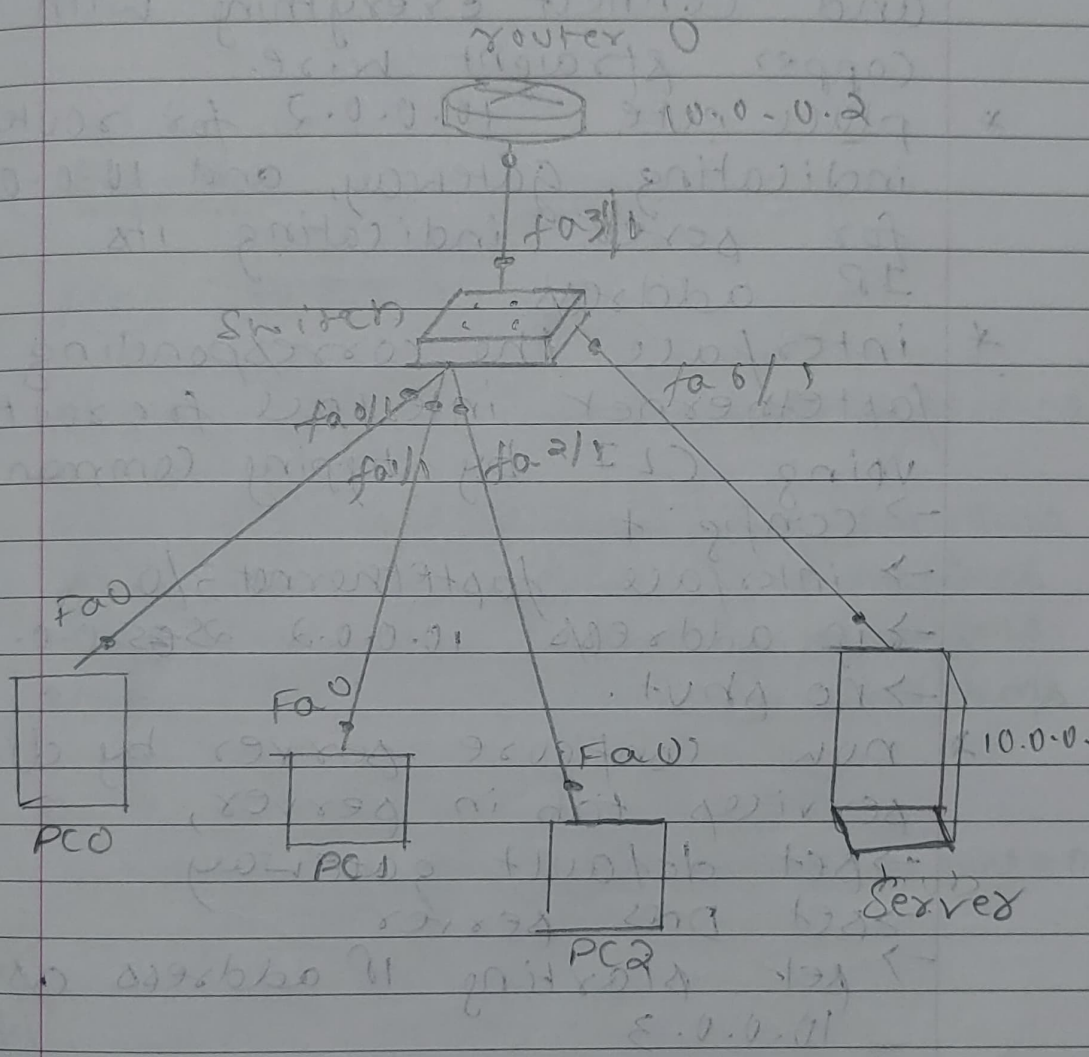


1/12/22

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 by typing commands
 - 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

* Observation:-

learning outcome:-

- clicking on IP configuration and selecting DHCP mode automatically fetches

IP addresses, gateway from server for which we had configured already.

Result:-

ping 10.0.0.4

pinging 10.0.0.5 with 32 bytes of data

reply from 10.0.0.5: bytes=32 time=4ms

reply from 10.0.0.5: bytes=32 time=4ms

reply from 10.0.0.5: bytes=32 time=4ms

reply from 10.0.0.5: bytes=32 time=4ms

ping statistics for 10.0.0.5:

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

✓
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