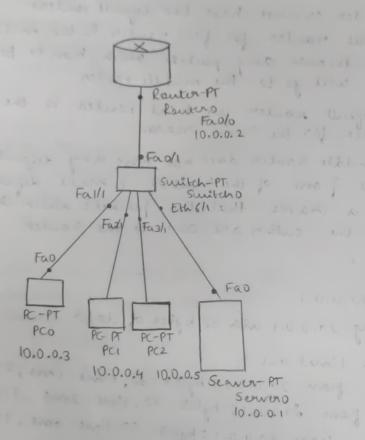
AIM: Configuring DHCP within a LAN in a packet tracer



PROCEDURE:

- → Place a generic router, generic switch, and 3
 generic Pc's ento the workstation and connect
 them as; Router to switch and switch to all 3Pc's
 and I server
- -> Open server config tab, set its IP address and subnet mask as 10.0.0.1 and 255.0.0.0 and from settings tab Set the gateway as 10.0.0.2
- → Open the CLI of grouter > no > enable > config t >
 enterface fastethernet 0/0 > ip address 10.0.0.2
 255.0.0.0 → no shut > exit
 - gateway as 10.0.0.1 and change DNS and
 - In start IP address change it to the value from where you want to start the IP pool. Save the changes

-> Select the PC, go to the Desktop tab and Select IP configuration. There change from Static to DHCP. We can notice that all delails like IP address, subnet mask, default gateway and DNS server is set by default.

-> Do the above step for all the PC's

OBSERVATIONS;

LEARNING OUTCOME:

The server automatically sets the IP address, subnet mask and gateway to all the PC's and IP address is allocated serially in DHCP protocol.

RESULT:

ping 10.0.0.5

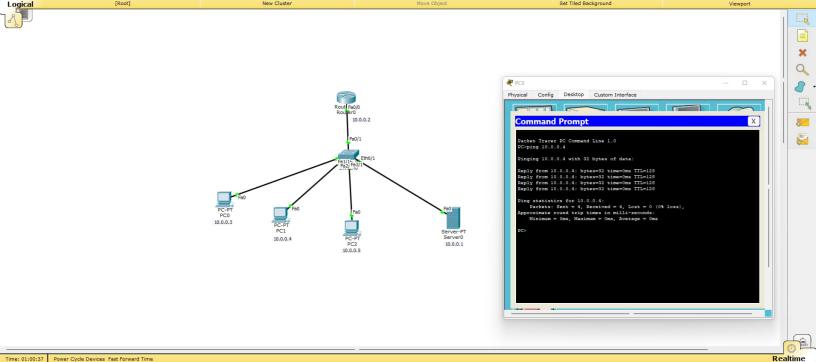
Pinging 10.0.0.5 with 32 bytes of data:

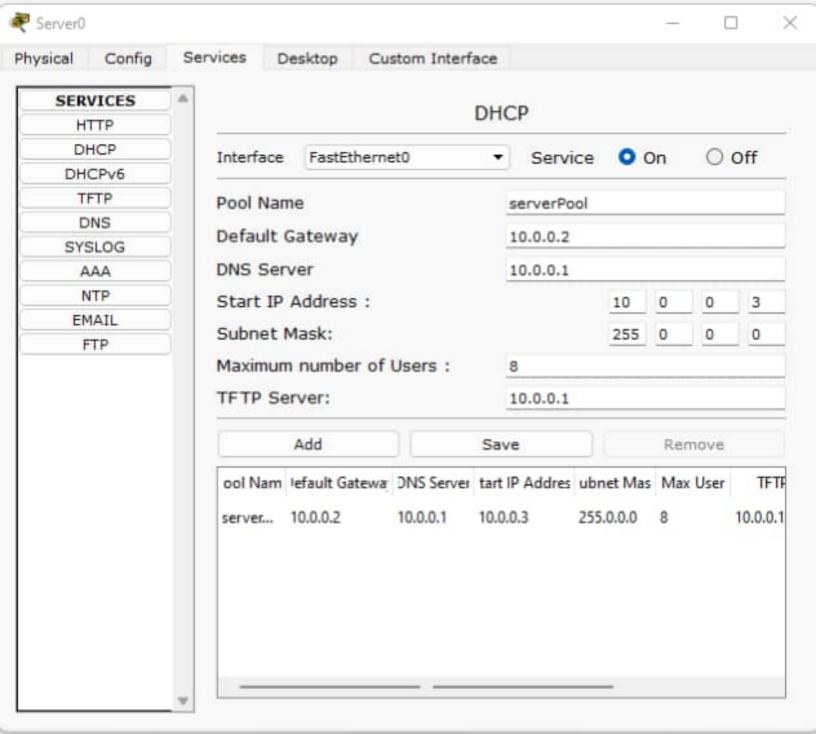
Reply from 10.0.0.5: bytes=32, time=0ms TTL=128 Reply from 10.0.0.5; bytes = 32, time = oms TTL=128 Reply from 10.0.0.5: bytes = 32, time = 0 ms +TL=128 Reply from 10.0.0.5 ? bytes = 32, time = oms TTL = 128

Ping Statistics for 10.0.0.5: Packets: Sent=4, Received=4, Loss=0 (0% Loss)

Approximate round toup times in ms:

Minim um = 0 ms, Maximum = 4 ms, Average=1 ms





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