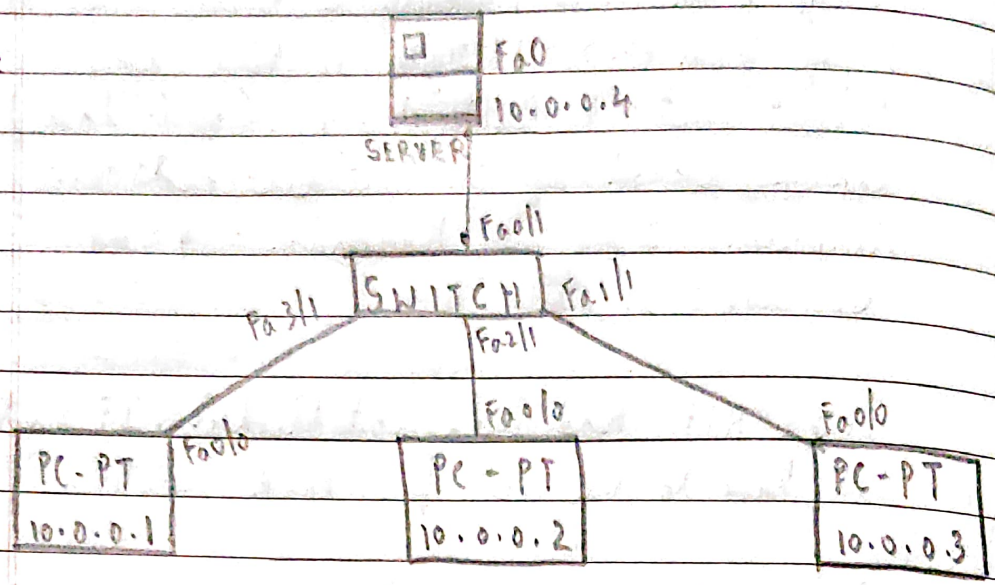
15/12/22

LAB - 6

AIM: Configure DHCP Server

Topology:



PROCEDURE:
* Construct the following topology i.e server is connected to a switch, and further is connected to PC's (end devices)
* Configuring IP address of the server as 10.0.0.4
* Add/save IP address if the end devices in, Start IP address of PHCP, After switching on the PHCP server.
* After saving addresses, change the IP address of the end devices from static to DHCP.
* Ping the IP addresses across all the end devices.

OBSERVATION
* The messages pinged from an end device to the server, or from an end device to another end device is succesfully sent.
* A dynamic IP address is set to end devices when the DHCP is initiated in the server.
* RARP is used to assign the IP address of a

device if MAC address is known.

o/p:-) PC > ping 10.0.0.3
Pinging 10.0.0.3 with 32 bytes of data:
Reply from 10.0.0.3: bytes = 32 time = 1ms TTL = 128
Reply from 10.0.0.3: bytes = 32 time = 0ms TTL = 128
Ping statistics for 10.0.0.3
Packets: Sent = 4, Recieved = 4, Lost = 0 (0% loss)
Approximate round trip time in milliseconds.
Minimum = 0ms, Maximum = 4ms, Average = 1ms.

2) SERVER > ping 10.0.0.1
Pinging 10.0.0.1 with 32 bytes of data:
Reply from 10.0.0.1: bytes = 32 time = 0ms TTL = 128
Reply from 10.0.0.1: bytes = 32 time = 0ms TTL = 128
Reply from 10.0.0.1: bytes = 32 time = 0ms TTL = 128
Reply from 10.0.0.1: bytes = 32 time = 0ms TTL = 128
Ping statistics:
Packets: Sent = 4, Recieved = 4, Lost = 0 (0% loss)

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