Date 13, 11, 24
Page

Experiment 4 - 1 Configure - DHCP whithing LAN Aim - Demastrate. Direip within and outside LAN 1 1 min 1 ; 3 8 0 0 0 0 0 0 Tologyo oos in Retroil 310.0.000 Fu1/0 Fuolo RS Il Switch O Fa 3/1 Shitch of Fao Sand O Fao pc1 lydopo Pco PC3 Swith O connected Router O interface Fa olo using capper straight-through cuble from 1=th 6/1. 2. Pro, Prz Connected to Restor switcho via capper straight cable with Il address = 10.0.0.2, 10.0.0.3 and 10.0.0.4 despectively. 3. Server O connected to Switcho with ip address 10.0-0-2.

4. AC3, PC4, PC5 connected to Switch I with ip addresses 4 20.0.0.3, 20.0.0.4 and · Open cisco packet tracer and drag the following components - I transver in the middles Switch: Connect two switches to Pouter O. PC: Take 3 pages and connect it to Switch 0, and another 3 page to Switch 10.01 world of the (plan) of will - Sener: Place one Server and Connect it to the Switch 1 via collede copper Straight-through cable.

Configure Servero by clicking on the server and click IP can higher form Set 12 address av 10.0.0.2; 2 Subnet mask as 255.0.0.01 Default (rateway as 10.0.0:4.1

In Duch services, add for I with Pool Name - Switch O Start IP address - 10.0.0.0 Default bateray - 0.0.0.0 Subret Mask - 255.0.0.0 In Drich services, add switch I ronlige with Pool Name - to sevent Switch 2 Start 18 address - 10:0.0.3 Detault Gatewy - 10.0.0.1 Subnet Mark - 255-010.0 Default Gatewy - 10.0.0.1

Set the IP configuration of all PCS

PCO to PCI to DFICP due to which

each PC attains it IP address. Sibnet Mark,

Default Gateway. Configure RouterO by clicking on the raiter and Selecting CLI.

Assign IP addresses to the router interfaces:

Router > enable

12 15 th Configure Router interfaces: Renter # Configure terminal
Renter (config) # interface for 0/0 Router (config) # if address 10.0.0.1 255-0.0-0 Route (config) It is whelper - address 10.0.c. 2 Renter (config) # no 1 shelt & Renter (config) # interface for 10 Ranter (config) # ip address 20.0.0.1 255.0.0.0 Ranter (antig) # ip helper-address 10:0.0.2 Router (config) # no shut Default ( coteving 1 100000.1 Observation

If config. and cabling are correct you will recieve successful ping replies blue two PC's. Pinging 10.0.0.3 with 32 bytes of data PC > piag 10.0.0.3 Post Magne - toward subter 120ply from 10.0.0.3 : bytes= 32 time= 1 ms TTL=120 Reply from 10.0.0.3: bytes= 32 time = 0 ms TTL=120 heply from 10.0.0.3 = bytes = 32 - time = Oms TTL = 120

	Date/
	Reply from 10.00.3: bytes = 32 time = 2 ms 77L=120
	A I TO STATE OF
	Piny statistics for 10.0.0.3:
	Piny statistics for 10.0.0.3: Packets: Sent = 4, Recieved = 4, Loss = 0 (0% loss)
	Approximate round trip times in milliseconds
	Minimum = 0 ms, Maximum = 2 ms, Average = 0 ms
1.12	Po Colara
[3]	Placing the Drich server in the same
del	Subnet as clients to ensure broadcasts
	reach the server directly. Dynamic 112 are
	Youch the server directly. Dynamic 112 are given to systems connected in Same
	network. When we have dynamically assigned
	ip address to another network, we do so
	by using a router and server.
	If connections are successful, the ip
	addresses are assigned within the LAN
	and outside the LAN.
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	wing edger stright though colle trans In
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	I Should be and the Complete
	and a control of the