Lab 5 EXP4: Configure DHCP within a LAN and outside LAN. Aim? To connect PC's within a LAN and outside LAN using OHEP Entreporant, andre wonderdy, Fallo of The jurish F00/0 Facility of Switch-PT gi marky 5 rules 1.0.0.05 Felly Fall Fad I all loves, between 8/0,0.0,0/8 plipsed a Februa; 8/0.0.0.05 betiernes Food Food Food () 6-30-6.0.018 5 40.0.00 S SERVER-PT IP: 10.0.0.1 PC-PT PC-PT
PC3 PC4 E#46/1 Server address: go to server - config -> DHCP subnet Mask - 255. 0.0.0 Pool name: surteh 1 Default gotenay; 10.00.1 subnet Mask - 255, a 0.0 Pool name: switch 2 Default goteway: 20.0.0.1 PC3, PC4, PCZ, server 1 connected to it via copperating switch I has PC connected to it via copper stright switch 2 has PC5, PC1,

Add estera point to the switch and then connect theree pcs, similarly for another set of evites switch 2 & switch 2 to nouter. Connect connect the Default brothers as 10.0.0.0 Router Config: Router + config Terminal long Router (config.) # interface Fast EThornet 1/0

ip address 10.0.0.1 255.0.0.0

exit

Router (config.) # interface Fast EThornet 0/0 1. 0000 . 22 riel. onlo. 05 italeblo 91 with out I latine - error log Stept IP address - 10-0.3 In DHCP services add switch o configurates 5xt the IP configuration of all PC's coco to PCI to Porocedure: 9I est cristo 39 disher at ent 9349 open cites packet Traver and drag the following components Router: Place 1 monter in the middle ewitch; connect the switches to Router of the switches and connect it to switches, and another 3 PC's to switches Server: Place one Server and connect it to the switch I via cable stright through cable

Configure server o by elicking on the server and click IP configuration Sot IP address as subnet mask as 10.0.0.2 255.0.0.0d edt turnes Default Grateway as 10,0,0.01 Renter Config. In DHCP services, add switch o config with tet pignes threatured Start IP address 10.0.0.0

Default brateway 0.0.0.0 houser (config) # interface sevelbogi subnet mask 25 5.0.0.0

ils truetty truet emfreti # (regras) retra In DHCP sorvices, add switch I config with pool rame- switch 1 Start IP address -10.0.0.3 Default Gateway -10 -0.0.1 255.0.00.0 diver 9140 2 Set the IP configuration of all PC's PCO to PC) to DHCP due to which PC attains the IP address, subnet mask, default Grateway . Configure Router o by clicking on the nouter and selecting CLI orestroy of relative all & Take a 10% and come arother & PC's to switch Observation: · If config and calling are all coverest you will secret successful piez replies between two PC's

PC > ping 10.0.0.3

Perging 10.0.0.3 with 32 bytes of data graphy forom 10.0.0.3: bytes= 32 time= Ims JTL = 120 time: one TTL = 120 reply from 10.0.0.3: bytes= 32 time = ome TTL = 120 ereply from 10.0.0.3: bytes= 32 time = 2ms TTL = 120 neply from 10.0.0.3: bytes: 32 ; yearlest Ping statistics for 10.0.0.3 Packets: Sect = 4, recieved = 4, Loss = 0 (01/ Loss) Approximate round trip times is milliseconds: minimum = oms, Moximum = 2ms, Average = oms within a LAN: Placing the DHCP server in the same subnet as clients when two pool names are connected and the server directly. are set to DHCP or IP configuration, the PC's automatically get assigned an IP address streeting from the Start IP address within the LAN and outside the LAN

























