Lab - 4 2.07-23 DHCP with a LAN and outside in Din : Configure Topology Procedure: PC-1 PC-PT
PC-2 PC-PT Pc- 3 * Conneil 3 PC's and I server to a switch using Cofsper Straigh through cable. * Click on Server and go to services for select OHCP and two on OHCP service. + 8et the IP address of the start IP address as 10.0.0.2 & click on Save button. * Before this set the IP address of Server in confo Tab under forstethernet to 10.0.0.1

Next click on PCO & go do desktop tab click on IP configuration. Select DHCP here. It will request for an IP address and Successfully get the DHCP request also sets the IP address. * Reproof this step for other 2 pc's

To Send a packet across pc's go to pc's

Command Brompt and type bing destination

ing output

pc > bing 10.0.0.8

pc > bing 10.0.0.3 with 32 bytes of data. Reply from 10.0.0.3; bytes=82 time=0ms 77L=128
Reply from 10.0.0.3; bytes=82 time=0ms 77L=128
Reply from 10.0.6.3; bytes=9.2 time=1ms TTL=128 bing studistics from 10.0.0.3 Spackels sent 4 Received 4. Lost =0 (0% loss)

Albroaimale ground frip times in mg. miniman: Oms, Maximan: Ins. Average: Oms. * DHCP is used to dynamically assigns an IP address to any device or node manage a foot of renique IP address & also about client configuration parameters. * DHCP enabled clients Sends a Juguest to DHCP Server whey they want to connect to a metwork 2 p 10 01 01 - 2 market of a colo a

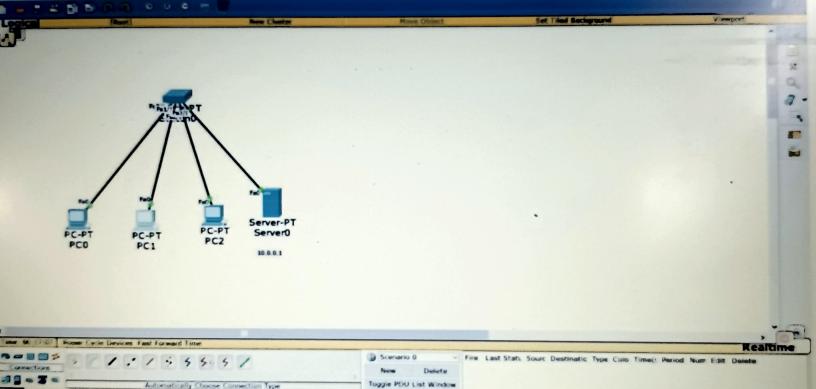
4 (0) DHCP with a LAN and only de lan dom : Configure Topology ROUTER PT PC-0 PC-1 PC-2 Serio 0 Procedus : Add a trouter, a switch and Rpc's to 4 (A) brogram network & connect the router to both Switches + Set the server IP address of server & with the help of Server set the first 3 pis Ip address through OHCP * click on Server = go to desklop > IP configuration - Ada Il address, Subnet mast and gale way IP address 10.0.0.1 Sulen et Mask 255.0.0.0 Crate way 10,0.0.20 Step 3: Configure the howler - D click on router 90 10 CL & 2

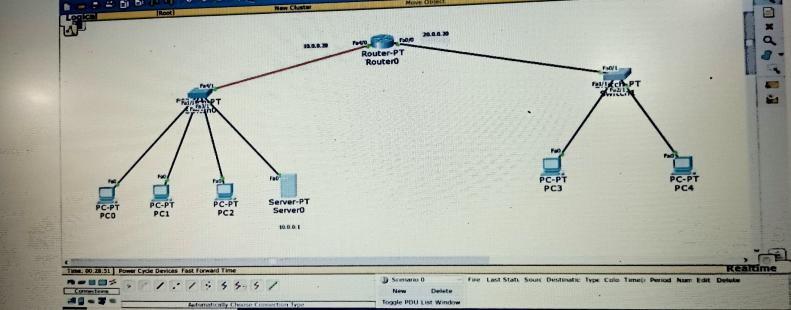
nable uter # config.1. der (config) # fastetherel 0/0 ouler (config) # ip address 10.00 20 255.000 Router (config of) # no shat Router (conf.g.) # interfore food ethernet 1/0 Pouter (conf.g.f) # ip address 20,00.20 250.0.0.0 Router (config-id) # esoil Routing table Router - show ip route 10.0.0.0/1 is directly connected. step 4: Cro Lo Server -> School services then go to DHCP -> set start IP address from the series Step 5: Then configure the pris.

-) Select a pc then desklop- 9 0 10 Ip configuration
select DHCP -> Referred the same Brocedure for all other PC's - DHCP to used to design IP address dynamically Observation to different devices.

To assign continous IP address we create of server pool whove we assign the sclouding Ip address and a default goteway number.

for pis under different switches we create a different sevidences we create







Physical Config Desktop Custom Interface

Command Prompt

X

Packet Tracer PC Command Line 1.0 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=0ms TTL=128
Reply from 10.0.0.3: bytes=32 time=0ms TTL=128

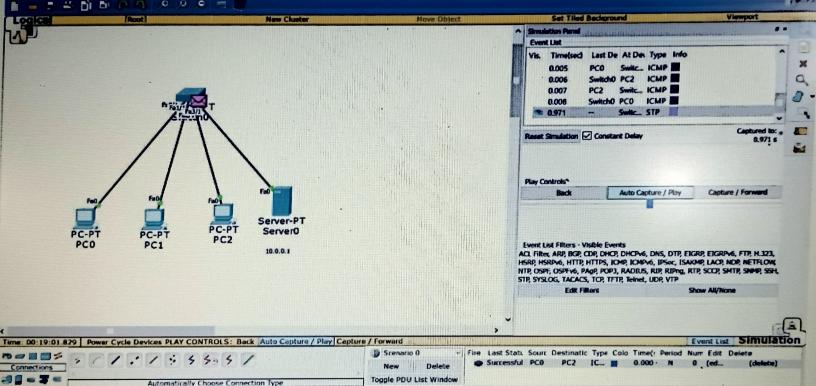
Ping statistics for 10.0.0.3:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds: Minimum = 0ms, Maximum = 1ms, Average = 0ms

Reply from 10.0.0.3: bytes=32 time=1ms TTL=128 Reply from 10.0.0.3: bytes=32 time=0ms TTL=128

PC>



Command Prompt

Packet Tracer PC Command Line 1.0 PC>ping 20.0.0.2 Pinging 20.0.0.2 with 32 bytes of data: Request timed out. Reply from 20.0.0.2: bytes=32 time=0ms TTL=127 Reply from 20.0.0.2: bytes=32 time=0ms TTL=127 Reply from 20.0.0.2: bytes=32 time=0ms TTL=127 Ping statistics for 20.0.0.2: Packets: Sent = 4, Received = 3, Lost = 1 (25% loss), Approximate round trip times in milli-seconds: Minimum = 0ms, Maximum = 0ms, Average = 0ms PC>ping 20.0.0.3 Pinging 20.0.0.3 with 32 bytes of data: Request timed out. Reply from 20.0.0.3: bytes=32 time=0ms TTL=127 Reply from 20.0.0.3: bytes=32 time=0ms TTL=127 Reply from 20.0.0.3: bytes=32 time=0ms TTL=127 Ping statistics for 20.0.0.3: Packets: Sent = 4, Received = 3, Lost = 1 (25% loss), Approximate round trip times in milli-seconds: Minimum = 0ms, Maximum = 0ms, Average = 0ms PC>