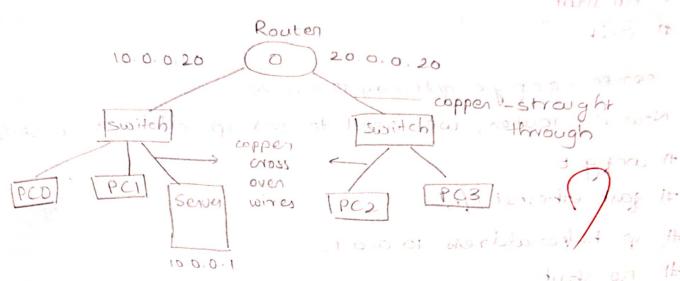
Aim: Connection of server LAN withoutin and outside the network using stone switches and routery

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Topology



## Procedure

- a switch and another network with only end devices and switch
- · devices and switch
- · connect both switches to router
- · set IP address of server to roter 10.0.0.1
- · go to service c select DHCP < save the current
- · Now, check the IP addresses of other devices in the network in the IP configuration in duktop.
- · following commands are given in CLI of routor
  - # wonting t
  - I interpace pastethernet 4/6

Age of 11 to the definition was Ip address 10.0.0.10 255.0.0.0 # no shut to strate a ANT TOTAL JO ONTO SOME # exit # interpare partethernit do ip address 20.0.0.20 255.0.0.0 # no shut # exit · somen config c gateway 10.0.0. 20 · Now in router, we need to set ip address of server # wonting t # fast ethernet o/o # ip helper-address 10.0.0.1 # no shut # exit muhan · Now go to server < services < DHCP < add new IP sould and waters network address 20.0.0.2 · To check connection, IP configuration of PC ochside the network dick OHCP and IP gateway will be visible 1 = 1 Taker out notice is buttle of the TALLERS SITE DIES SASHA IS LOS SON ASS OF DE on warming to be marked of all shows , will

The Man or makening man are an in drove for the

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ring output packet traces PC command line 1.0 PC> ping 20.0.0.2 pinging 20.0.0.2 with 32 bytis of data: Request timed out Reply from 20.0.0.2: bytes = 32 time = 0ms 7TL=127 Reply from 20.0.0.2: bytes = 32 time = 0 ms TTL=127 Reply from 20.0.0.2: bytes = 32 time=0mg TTL=127 Ping statice for 20.0.0.20 Packets sent= 4, received = 3, lost = 1 (251 loss), Approximate round trip times in millie-seconds. minimum = 0 ms, Maximum = 0 ms, Average = 0 ms. set if address of PC as 10001 and if cadorens observation: · DHCP is used to assign IP addresses dynamically to desjoult page in generated assived to inapplie of · To assign continuous IP address we creat q server pool where we arrighthe starting IP (no address and a default gateway number ! for PRE's under different switches we create and Dipount sorver pool again and start. The box This takes care of delivering the packets to

correct destination IP address and also

repeat of the House standard on in charge on auteut

Ack to the initial device.0990

