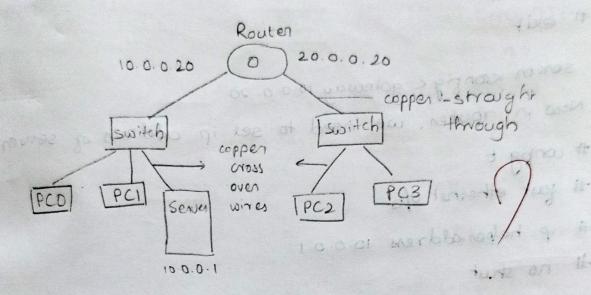
Experiment - 364

Aim: Connection of server LAN withoutin and outside the network using simuswitches and routers

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Topology:



Procedure

- · sdect two or more pc and a server connecting to a switch and another network with only end devices and switch

- · connect both switches to router · set IP address of server to rotor 10.0.0.1
- · go to service < select DHCP < save the current IP address
- · Now, check the SP addresses of other devices in the network in the IP configuration in duktop.
- · following commands are given in CLI of resultar > enable

 - Il interpace jostethernet 4/6

Ip address 10.0.0.10 255.0.0.0

no shut

exit

interface fastethernet do

Ip address 20.0.0.20 255.0.0.0

no shut

exit

- · server confige gateway 10.0.0. 20
- . Now in router, we need to set ip address of server

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fast ethernet o/o

ip helpen-address 10.0.0.1

no shut

exit

- · Now go to server < services & DHCP < add new IP
- · To check connection, IP configuration of PC outside the network dick OHCP and IP gateway will be visible

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4) James Holling Collinson

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Ping output

packet traces PC command line 1.0

pinging 20.0.0.2 with 32 bytis of data:

Request timed out

Raply from 20.0.0.2: bytes = 32 time = 0ms 751=127 Reply from 20.0.0.2: bytes = 32 time = 0 ms TTL= 127 Reply from 20.0.0.2: bytes = 32 time = 0 mg TTL= 127

Ping statice for 20.0.0.22

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 19 address of 90 as 100.01 and 19 address of observation:

- SEE CAD 57 10 0.0.7 DHCP is used to assign IP addresses dynamically to different de vices bostomage a spog shappel a
- · To amign continuous IP address we creat of server pool when we assign the stanting IP address and a degault gateway number for différent switches we create a D'aigeunt sonven pool again and stant some
- This takes can of delivering the packets to correct dustination IP address and also sends back the Ack to the initial device.

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