Lab 6

Aim 1) Config webrowser, DNS within a LAN
2) Config RIP routing protocol in router

Topology:

Switch0
In0/1   Fa0/1

PC0
10.0.0.1
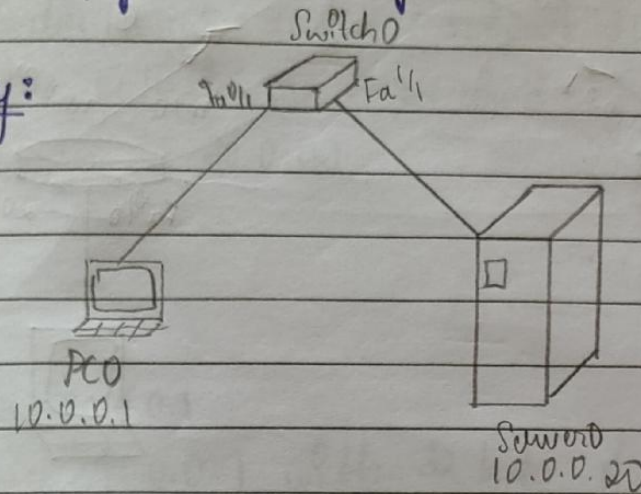
Server0
10.0.0.20

Procedure: Select a PC, server, switch and connect each
device as shown in the topology.

2) Click on the PC and set IP address as 10.0.0.1

3) Click on the Server and set IP address as 10.0.0.20

4) Go to web browser in PC and type 10.0.0.20

5) If the output appears then it is connected.

6) Now, Go to DNS server and add a new name
'LR151' and address as '10.0.0.20'. Now when we
type LR151 the output appears.

7) Go to HTTP in server. and click on 'edit' in
Index.html and change the names to 'Likith·R' '151'
'BMSCE' 'CSE'

8) Go check the web browser

Output: Welcome to Cisco Packet Tracer.
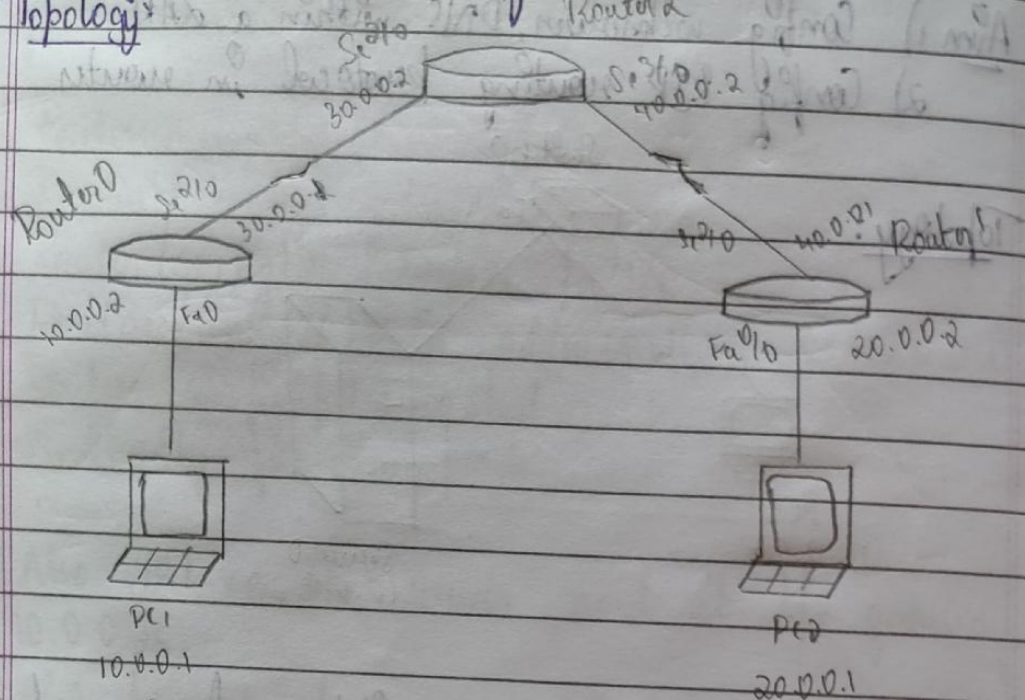Quick Links:
Likith·R
151
BMSCE
CSE

2) Configure REP routing protocol in Routers

Topology:

Procedure: Use 2 PC's & 3 routers from devices and connecting each PC to one router and connecting those routers to the third router.

2) Configure IP address of PC1 → 10.0.0.1 & PC2 → 20.0.0.1

3) Set IP address to routers and even update gateways

Router # config t

Router (config) interface fa 0/0

Router (config-if) ip address 10.0.0.2 255.0.0.0

Router (config-if) no shut.

Repeat the same for all routers.

4) Configure the serial ports using the following commands for the routers.

~~enable~~ Router (config-if) encapsulation ppp

Router (config-if) clock rate 64000

Router (config-if) no shut.

5) Also we have to use the command RIP

 Router (config) # router rip

 Router (config) - router) # network 10.0.0.0

 Router (config - router) # network 30.0.0.0

6) Now, the output can be received by pinging from
10.0.0.1 to 20.0.0.1

Output:

PC> ping 20.0.0.1

pinging 20.0.0.1 with 32 bytes of data

Reply from 20.0.0.1 : bytes = 32   time = 2ms   TTL = 125

Reply from 20.0.0.1 : bytes = 32   time = 9m   TTL = 125
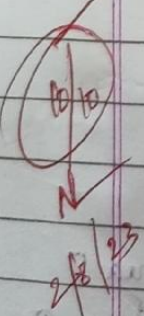
Reply from 20.0.0.1 : bytes = 32   time = 7ms   TTL = 125

Reply from 20.0.0.1 : bytes = 32   time = 2ms   TTL = 125

Ping statistic for 20.0.0.1
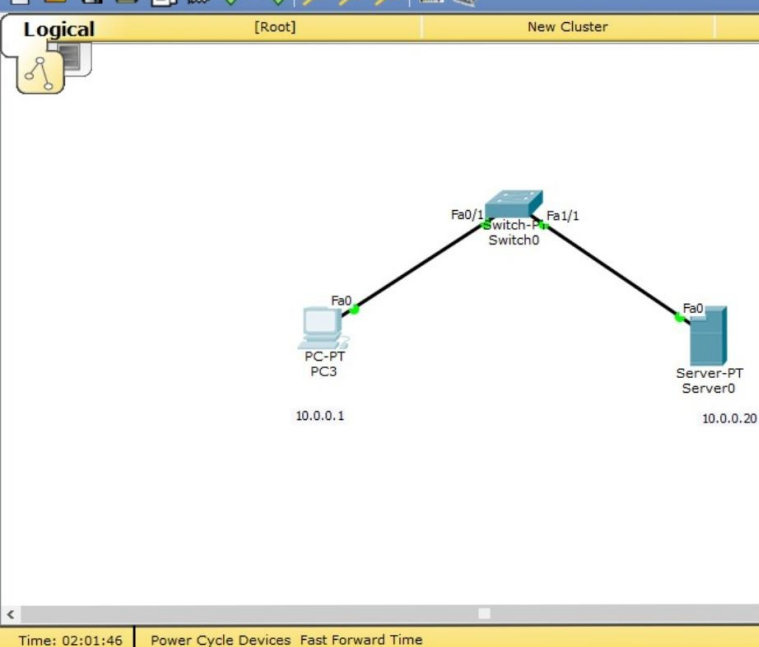
 Packets sent = 4, received = 4, lost = 0 (0% loss)

Approx : round trip time in ms

 Minimum = 2ms, Max = 9m, Avg = 4ms

Cisco Packet Tracer Student

File Edit Options View Tools Extensions Help

Logical [Root] New Cluster

PC3

Physical Config Desktop Custom Interface

Web Browser

URL http://lr303 Go Stop

Cisco Packet Tracer

LIKITH R Mind Wide Open.

Quick Links:
151
BMSCE
303
Image

Fa0/1 Switch-P Fa1/1
Switch0

Fa0
PC-PT
PC3

10.0.0.1

Fa0
Server-PT
Server0

10.0.0.20

Time: 02:01:46 Power Cycle Devices Fast Forward Time

Connections

Automatically Choose Connection Type

Scenario 0

New Delete

Toggle PDU List Window

Fire Last Status Source Destination Type Color Time(sec) Periodic Num