Ex: 1/6

Date: 8/10/24

RIP

Aim:

To stmulate RIP uding Cisco Packet Tracer

Procedure:

1/ Create network as uding 3PCs & 4 routers as shown in image

2/ Assign IP addrett ther the PCs & router Ports

PC0

IP - 10.1.1.1

Gateway : 10.1.1.2

PC1

IP - 200.1.1.1

Gateway . 200.1.1.2

PC2

IP - 222.2.2.2

Gateway - 222.2.2.12

Router 3

gig 0/0 - 20.1.1.1

0/1 - 192.168.1.1

0/2 - 10.1.1.1

Router 2

gig 0/0 - 20.1.1.2

0/1 - 172.1.1.1

0/2 - 200.1.1.2

Router 1

gig 0/0 - 192.168.1.3

0/1 - 172.1.1.2

0/2 - 217.1.1.1

Router 4

gig 0/0 - 217.1.1.2

0/1 - 222.2.2.12

3, click on router 3

→ click config → RIP

→ Enter Network 10.0.0.0 → Add

→ " " 20.0.0.0 → Add

→ " " 192.168.1.0 → Add

that step if done inorder to add the neighboring network address for router 3

4, Do same for Router 2, 1 & 4

Router 2 -> Config -> RIP

→ 20.0.0.0 - add

→ 172.1.0.0 - add

→ 200.1.1.0 - add

router 1 -> Config -> RIP

→ 172.1.0.0 - add

→ 192.168.1.0 - add

→ 217.1.1.0 - add

Router 4 - config → RIP

→ 217.1.1.0 - add

→ 222.2.2.0 - add

5/ Now to display the routing table click on router (Say Router 1)

→ the on CLI & type the command

exit

exit

Show IP Route

Output:

R. 10.0.0.0/8 via 192.168.1.1 gig 0/0

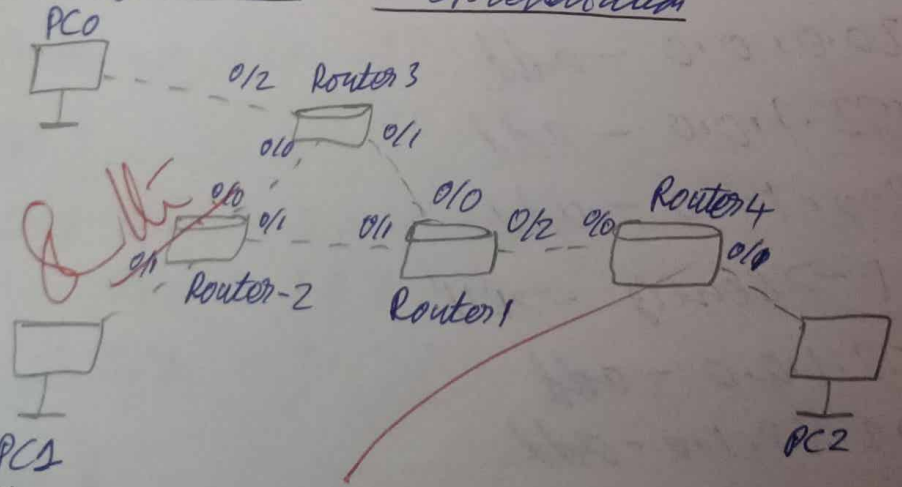
R. 20.0.0.0/8 via 192.168.1.1 gig 0/0

. 172.1.0.0/16 is variable connected, 2 subnets 2 mask

C. 172.1.0.0/16 is directly connected gig 0/1

C. 172.1.1.2/32 is directly connected gig 0/1

Diagramatic representation



Result:

thus RIP is simulated using cisco Packet tracer successfully