Exp No: 11 b

Date - 18-10-24

RIP

AIM

To simulate RIP using Cisco Packet Tracer

Procedure

1) Create network as using 3 PCs & 4 routers as shown in image

2) Assign IP address for 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

→ this step is 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)

→ then 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

C - 172.1.0.0/16 is variably connected, 2 subnet 2 mask

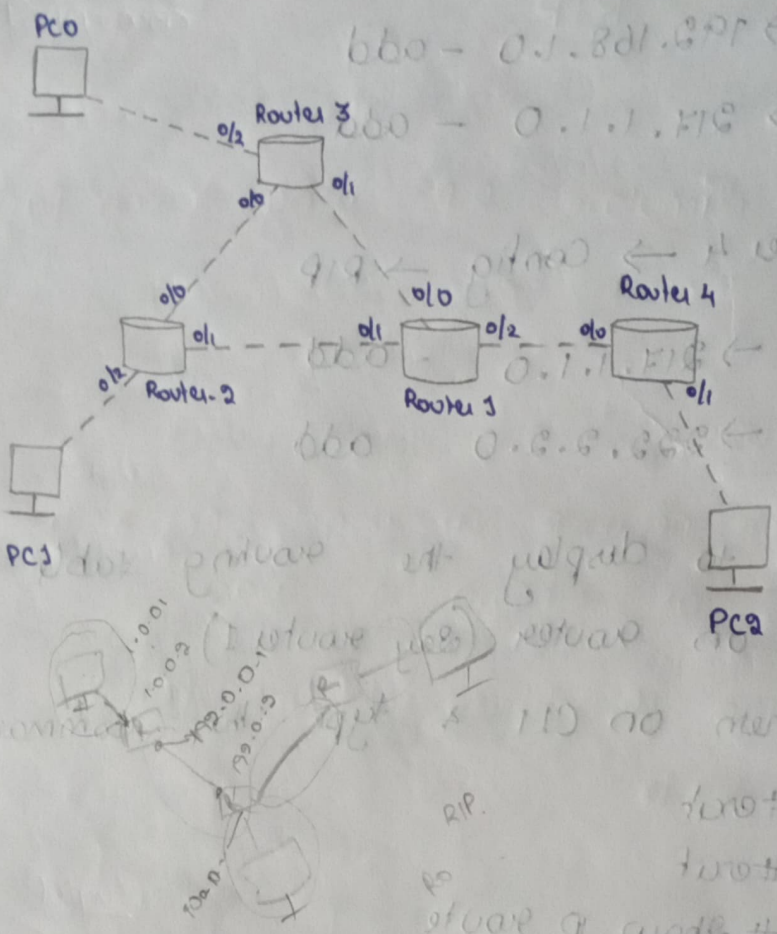
C - 172.1.0.0/16 is directly connected gig 0/1

L - 172.1.1.2/32 is directly connected gig 0/1

Result

Thus RIP is simulated successfully using Cisco packet tracer

Diagramatic representation



Result

Thus RIP is simulated using Cisco packet tracer successfully