

Exp. No: 116 RIP

Date: 12/10/24

Aim:

To simulate RIP using Cisco packet tracer.

Procedure:

(1) Create network topology using 3 PC's

2 routers as shown.

(2) Assign IP address for the PC's & router ports.

Use any class of your choice for simulation purposes only.

(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

(4) Do same for router 2, 1, 4.

Router 2 → Config → RIP

→ 10.0.0.0 - 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 click & type the command

cat

cat

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 subnet, 2 mesh

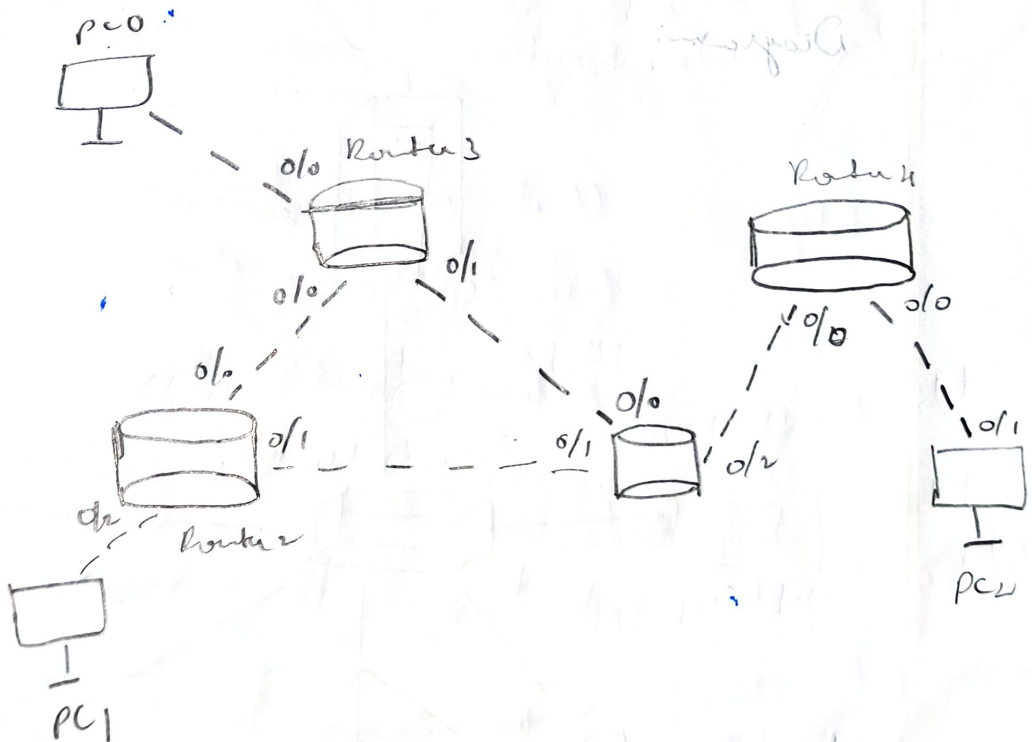
172.1.0.0/16 is directly connected
gig 6/1

172.1.1.2/32 is directly
connected gig 0/1

8/11

~~Res.~~

Diagrammatic Representation



Result:

my R1P is successful, using
cisco packet traces successfully.