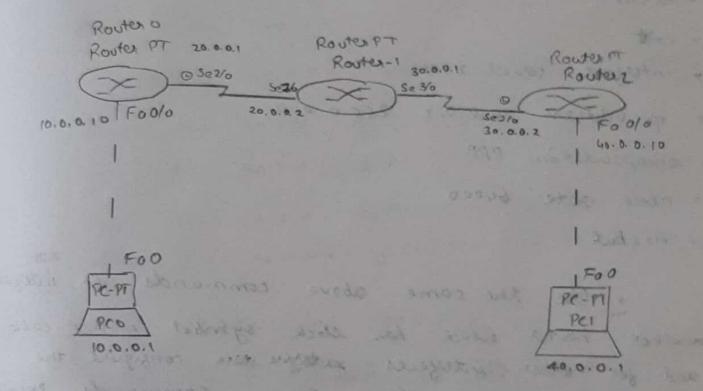
RIP

Aim: Configuring RIP souting Protocal in Raders

Topology:



Procedure:

Place 3 generic nowless, 2 generic pe's and place notes to indicate respective ip adolnesses.

. Use copper cross over to connect between Router and PC and serial DCE to connect between two nouters.

the PC's ous 10.0.0.1, 25\$.0.0.0, 10.0.0.10 and 40.0.0.1, 255.0.0.0, 40.0.0.10 respectively.

PCO and rocitees 3 and · For interfacing serial DCE of souter 3 enter the commands in CLI

> enable

> config-t

> intexace fastathernet o/o

> no shut

> exist

7 interface serial 2/0

7 ip address 20.0.0.1 255.0.0.0

7 encapsulation PPP

7 Clock rate 64000

7 noshut

· Use the same above commands for interfaing another nortes which has clock symbol in DCE cable and for other interpoles xixterion the configure the nouter by entering the same commands except for exapposition take "clock note \$4000" comment · Set the RIP protocal when the lights a service to selicate disperse. ton green.

> Routes RIP

> notwork (0.0.0.0

> notwork 20.0.0.0 To colder Subject and

7 exit

· Repeat the commands to all fronters IP address that the norter is directly do.

137 (10)

Observation:

Learning outcome:

Instead of using static IP routing for all nouters by using RIP protocal nouting becomes easy when large number of nouters are present.

Result: Ping 40.0.0.1

penging 40.0.0.1 with 32 bytes of data:

Reply from 40.0.0.1: bytes = 32 time = 14ms TL= 125

Reply from 40.0.0.1: bytes = 32 time = 2ms TL= 125

Reply from 40.0.0.1: bytes = 32 time = 14ms TL= 125

Reply from 40.0.0.1: bytes = 32 time = 14ms TL= 125

Reply from 40.0.0.1: bytes = 32 time = 12ms TTL= 125

Ping statistics for 40.0.0.1:

Packets: sent = 4, Received = 4, Lost = 0 (01. Loss)

Approximate hound trip times in milliseconds:

minimum = Ims, maximum = 14 ms. Average = 10 ms

Wall won