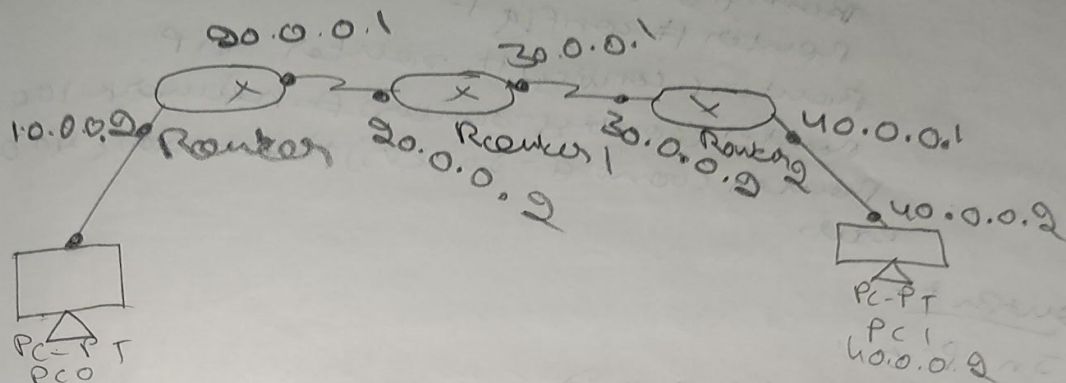


## Configure RIP routing Protocol in Routers

Configure RIP routing Protocol in Routers  
Topology:



Procedure:

- Step 1: Create a topology with 2 PCs, 3 Routers
- Step 2: Configure PC with IP address and gateway
- Step 3: Configure Routers (10.0.0.2)

for Router 0.

enable

configure terminal

interface FastEthernet 0/0

IP address 10.0.0.1 255.0.0.0

interface Serial 2/0

IP address 10.0.0.2

encapsulation PPP

clock rate 64000 [for 2]

no shut

→ Encapsulation PPP is given to all serial connections and clock rate 64000 is given whenever clock is present

configure all routers  
 for Router 0,  
 Router>enable  
 Router#show ip route  
 Router#config t  
 Router(config)#router rip  
 Router(config-router)#network 10.0.0.0  
 Router(config-router)#network 20.0.0.0  
 exit

Output:

In PC0

Ping 10.0.0.2

Pinging 10.0.0.2 with 32 bytes of data:

Reply from 10.0.0.2: bytes=32 time=14ms TTL=125

Reply from 10.0.0.2: bytes=32 time=2ms TTL=125

Reply from 10.0.0.2: bytes=32 time=2ms TTL=125

~~Reply from 10.0.0.2~~

Ping Statistics for 10.0.0.2:

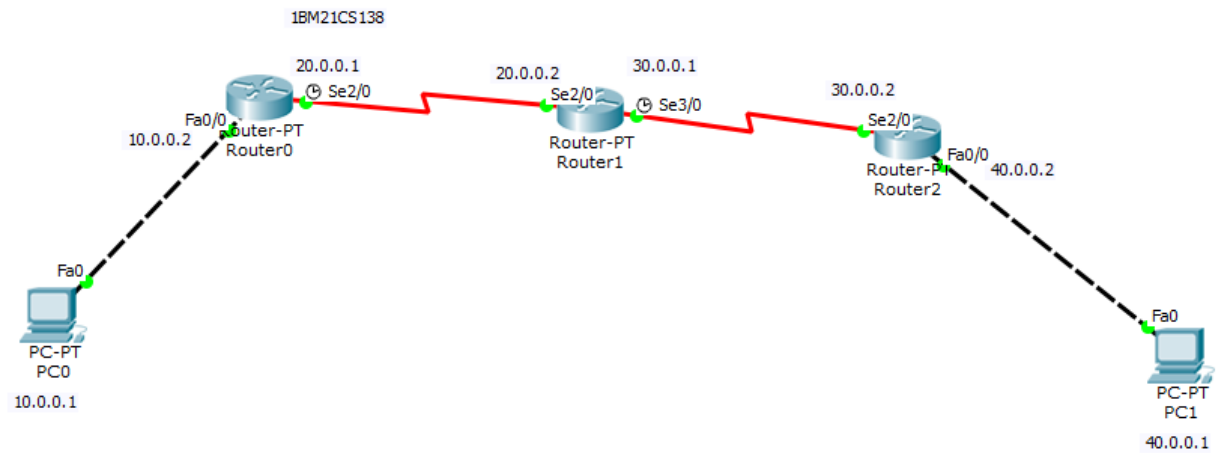
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milliseconds:

Minimum = 2ms, Maximum = 14ms, Average = 7ms

*[Signature]*

Topology:



Output:

```
Physical  Config  Desktop  Programming  Attributes
Command Prompt

Cisco Packet Tracer PC Command Line 1.0
C:\>ping 20.0.0.1

Pinging 20.0.0.1 with 32 bytes of data:

Request timed out.
Reply from 20.0.0.1: bytes=32 time=24ms TTL=125
Reply from 20.0.0.1: bytes=32 time=25ms TTL=125
Reply from 20.0.0.1: bytes=32 time=25ms TTL=125

Ping statistics for 20.0.0.1:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 24ms, Maximum = 25ms, Average = 24ms

C:\>
```