

EXNO:11

Simulate: RIP USING CISCO PACKET
TRACER.

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Assign IP address to PC's

Double click PC's and click desktop menu item and click IP configuration. Assign IP address to the PC's.

Assign IP address to interface of routers:

Double click Router0 and click CLI and press Enter key to access the command prompt of Router0.

Following commands are used to access the global configuration mode.

enable

configure terminal

Following commands will assign IP address FastEthernet 0/0.

interface FastEthernet 0/0

ip address 10.0.0.1 255.0.0.0

no shutdown

exit

Serial interfaces need two additional parameters clock rate and bandwidth these parameters are configured at DCE and

configure terminal

interface serial 0/0/0


```
# ip address 192.168.249 255.255.255.252
# clock rate 64000
# bandwidth 64
# no shutdown
# exit
```

In the same way, assign ip address for serial 0101

we will use same to assign IP addresses on interface of remaining routers.

For router 1:

```
> enable
# configure terminal
# interface serial 0101
# ip address 192.168.1.250 255.255.255.252
# no shutdown
# exit
```

For router 2

```
> enable
# configure terminal
# interface terminal
# ip address 2.0.0.1 255.0.0.0
# no solution
# exit
```

we ~~need~~ to implement RIP Routing protocol that will insist them to share the information

- Enable RIP routing protocol from global configuration mode.
- Tell RIP routing protocol which networks you want to advertise.

Router0:

```
# router rip
# network 10.0.0.0
# network 192.168.1.252
# network 192.168.1.248
```

Repeat the same way to assign networks in Router1 and Router2

To verify the setup, we will use ping command.


```

Cisco Packet Tracer PC Command Line, 1.0
C:\>ping 10.0.0.2

Pinging 10.0.0.2 with 32 bytes of data:

Reply from 10.0.0.2: bytes=32 time=2ms TTL=126
Reply from 10.0.0.2: bytes=32 time=21ms TTL=126
Reply from 10.0.0.2: bytes=32 time=10ms TTL=126
Reply from 10.0.0.2: bytes=32 time=17ms TTL=126

Ping statistics for 10.0.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 2ms, Maximum = 21ms, Average = 14ms

C:\>tracert 10.0.0.2

Tracing route to 10.0.0.2 over a maximum of 30 hops:

  0  0 ms    0 ms    0 ms    20.0.0.1
  1  1 ms    2 ms    2 ms    192.168.1.254
  2  0 ms    20 ms   0 ms    10.0.0.2

Trace complete.

C:\>|

```

Result :

Thus the simulation of RIP routing
has been done successfully.

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