

RIP Cisco Packet Tracer.

AIM:

Simulate RIP using Cisco Packet Tracer

Initial IP configuration:-

Device	Interface	IP Configuration	Connected with
PC0	Fast Ethernet	10.0.0.2/8	Router 0's Fa0/1
Ethernet0	Fa0/1	10.0.0.1/8	PC0's Fast Ethernet
Router 0	SO10/11	192.168.1.254/30	Router 2's SO10/1
Router 0	SO10/10	192.168.1.249/30	Router 1's SO10/10
Router 1	SO10/10	192.168.1.250/30	Router 0's SO10/10
Router 1	SO10/11	192.168.1.246/30	Router 2's SO10/10
Router 2	SO10/11	192.168.1.245/30	Router 1's SO10/11
Router 2	SO10/10	192.168.1.253/30	Router 0's SO10/11
Router 2	FA0/1	20.0.0.1/30	PC1's Fast Ethernet
PC1	Fast Ethernet	20.0.0.2/30	Router 2's Fa0/1

Assign IP addresses to PCs

Double click PCs and click Desktop menu item and  
 Check IP configuration. Assign IP address.  
Assign IP address to interface of routers.

Router &gt; enable

Router# configure terminal

Router(config)# interface fastEthernet 0/10

Router(config)# ip address 10.0.1.250 255.255.0.0

Router(config-if)# no shutdown

Router(config-if)# exit

Router(config)#

Show controllers interface.

Router# show controllers serial 0/10

Interface serial 0/10

[Output omitted]

Powerth line of output confirms that DCE end of serial cable is attached.

Router# configure terminal

Router(config)# interface serial 0/0/10

Router(config-if)# ip address 192.168.1.249 255.255.255.252

Router(config-if)# clock rate 64000

Router(config-if)# bandwidth 64

Router(config-if)# no shutdown

Router(config-if)# exit

Router(config)# interface serial 0/0/1

Router(config-if)# ip address 192.168.1.254 255.255.255.252

Router(config-if)# clock rate 64000

Router(config-if)# no shutdown

Router(config-if)# exit

Router(config)#

Router 1 configuration:-

Router> enable

Router# configure terminal

Router(config)# interface serial 0/0/0

Router(config-if)# ip address 192.168.1.250 255.255.255.252

Router(config-if)# no shutdown

Router(config-if)# exit

Router(config)# interface serial 0/0/1

Router(config-if)# ip address 192.168.1.246 255.255.255.252

Router(config-if)# clock rate 64000

Router(config-if)# bandwidth 64

Router(config-if)# no shutdown

Router(config-if)# exit



## Router 2 configuration:

Router > enable

Router # configure terminal

Router (config) # interface FastEthernet 0/0

Router (config-if) # ip address 200.0.0.0 255.0.0.0

Router (config-if) # no shutdown

Router (config-if) # exit

## Configure RIP routing protocol:-

- Enable RIP routing protocol from global configuration

## Router 0 configuration:-

Router 0 (config) # router rip

Router 0 (config-router) # network 10.0.0.0

Router 0 (config-router) # network 192.168.1.252

Router 0 (config-router) # network 192.168.1.248

## Router 1 configuration:-

Router 1 (config) # router rip

Router 1 (config-router) # network 192.168.1.246

Router 1 (config-router) # network 192.168.1.248

## Router 2 configuration:-

Router 2 (config) # router rip

Router 2 (config-router) # network 192.168.1.252

Router 2 (config-router) # network 192.168.1.244

