

28.9.25

Sypt. 11

Simulate static Routing Configuration using
Cisco Packet Tracer and RIP

Aim:- To Simulate the RIP using Cisco
Packet tracer.

Assign IP addresses to PC's - double click
PC's and check desktop menu item and
IP config. Assign IP address referring the
above table.

Assign IP address to interfaces of Router.

Double click Router 0 and click CLI and
press enter key to access the command
prompt of router 0.

Router > enable

Router # config terminal

Enter config commands, one per line
end with CNTL/Z

Router (config)#

Interface fast Ethernet 0/0 command
used to enter in interface mode

IP address 10.0.0.1 255.0.0.0 command
will assign IP address to interface,
no shutdown command will bring the
interface up

exit command is used to return in global
configuration mode. Serial interface

needs two additional parameters clock
rate and bandwidth. Every serial cable
has two ends DTR and DCE

Router > enable

Router # Configuring Terminal

Enter configuration commands, one per line
end with CNTL/Z.

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RDP
Prot

Configuration using
1. RTP
2. using Cisco

's - double click
menu item and click
on referring the
list of routers.
use CLI and
the command

command
mode
Command
interface.

using the

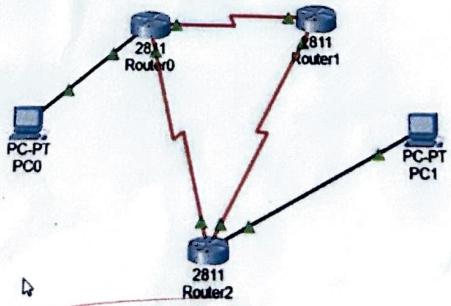
admin global
interface

clock
serial cable

line

```
router(config)# interface serial 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
```

By default RIP will use the route that has low hops count between source and destination. In our network route has low hops. routes: so it will be selected we can use traceroute command to verify it.



Result :- Hence the experiment of simulating
RIP using config also packet
tracer has been executed successfully.