

Program 3

Aim: Configure default route, static route to the Router (Part 1).

Topology, Procedure and Observation:

LAB-32
experiment-2

aim :- Configure IP address to routers in packet tracer.
Explain the following messages : ping responses,
destination unreachable, request time out, reply.

Topology :-

Router 1 (left) configuration:
Fa0/0: 10.0.0.2
Se2/0: 30.0.0.1
PC-PT: PC0, 10.0.0.1

Router 2 (right) configuration:
Fa0/0: 20.0.0.2
Se2/0: 30.0.0.2
PC-PT: PC1, 20.0.0.1

Procedure :-

- (1) Create a 2 network of 10.0.0.0 and 20.0.0.0 by connecting a end device to the router.
- (2) Set up IP address, gateway, subnet mask of both networks.
- (3) In router set up its IP address (fast ethernet).
- (4) Set up another network 30.0.0.0 by connecting the 2 routers.

ION
Commands : for router in CLI.

```
Router # enable
Router # config terminal
Router (config) # interface fastEthernet 0/0
Router (config) # no shutdown
exit
do the same for router 2.
```

Output :- Ping 20.0.0.1 .

Pinging 20.0.0.1 with 32 bytes of data:

Reply from 20.0.0.3: Destination host unreachable .

Reply from 10.0.0.3: Destination host unreachable .

Reply from " " " " " " " "

Request time out.

Ping statistics for 20.0.0.2:

Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

Ping 20.0.0.2

Pinging 20.0.0.2 with 32 bytes of data:

Reply from 10.0.0.3: ~~Destination host unreachable~~

" " " " " " " "

Request time out.

Ping statistics for 20.0.0.2:

Packets: Sent = 4, Received = 0, Lost = 4 (100% loss).

Ping 10.0.0.3

Pinging 10.0.0.3 with 32 bytes of data:

Reply from 10.0.0.3: bytes = 32 time = 0 ms TTL = 255

" " " " " " " "

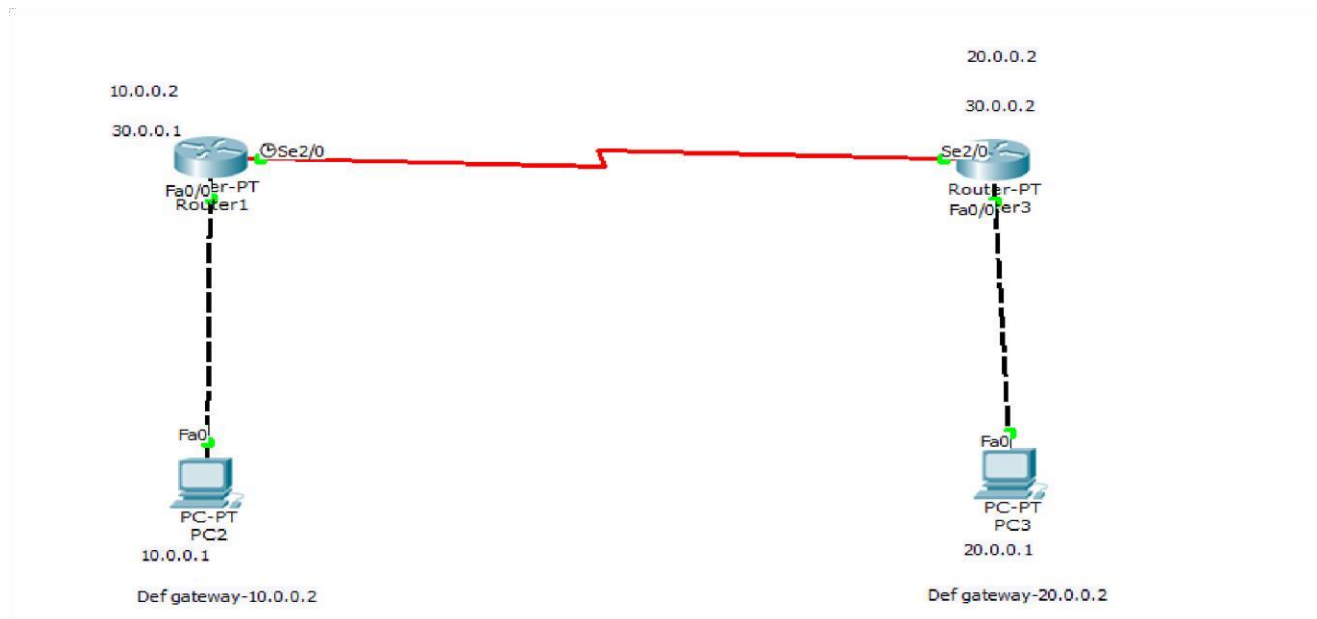
Ping statistics for 10.0.0.3:

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

Approximate round trip times in ms:-

Min = 0 ms, max = 0 ms, Avg = 0 ms.

Screen Shots:



PC2

Physical Config Desktop Custom Interface

```
Command Prompt
Reply from 10.0.0.2: Destination host unreachable.
Reply from 10.0.0.2: Destination host unreachable.
Reply from 10.0.0.2: Destination host unreachable.

Ping statistics for 20.0.0.1:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

PC>ping 20.0.0.1

Pinging 20.0.0.1 with 32 bytes of data:

Reply from 10.0.0.2: Destination host unreachable.
Reply from 10.0.0.2: Destination host unreachable.
Reply from 10.0.0.2: Destination host unreachable.
Reply from 10.0.0.2: Destination host unreachable.

Ping statistics for 20.0.0.1:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

PC>ping 20.0.0.2

Pinging 20.0.0.2 with 32 bytes of data:

Reply from 10.0.0.2: Destination host unreachable.
Reply from 10.0.0.2: Destination host unreachable.
Reply from 10.0.0.2: Destination host unreachable.
Reply from 10.0.0.2: Destination host unreachable.

Ping statistics for 20.0.0.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

PC>
```

