

Program 3

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

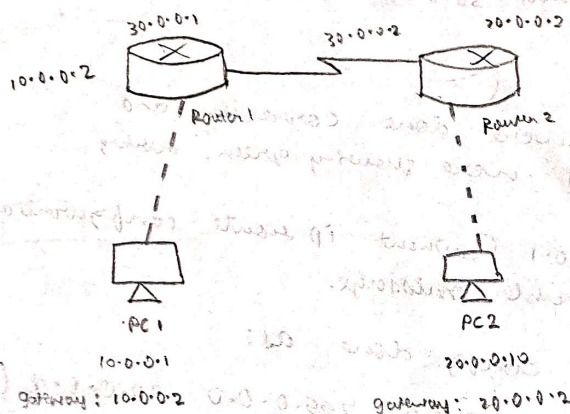
Topology , Procedure and Observation:

16.10.24

LAB-3

AIM: To configure IP address to routers in packet tracer.
Explore following messages, ping response, destination unreachable, request timed out, reply.

Topology



Procedure:

1. Place 2 generic routers and 2 PC's.
2. For each PC, set gateway address and IP address.
For each router, set the IP address.
For PC1 → Gateway as 10.0.0.2 and IP address 10.0.0.10.
For PC2 → Gateway as 20.0.0.2 and IP address 20.0.0.10.
For Router 1 → IP address 30.0.0.1
For Router 2 → IP address 30.0.0.2.
3. For the router configuration, config it manually by clicking CLI option in router.
in command prompt, enter following command.

enable

config terminal

interface fastEthernet 0/0

ip address 10.0.0.10 255.0.0.0

no shutdown

exit

for server, # interface serial 2/0

ip address 30.0.0.10 255.0.0.0

Observation:

1. The connections were done correctly and all the lights were showing green, working.
2. when ping 20.0.0.1 [without ip route configuration] we get unreachable message.
3. when ip route config. done as:

ip route 20.0.0.0 255.0.0.0 30.0.0.2 (for R1)

Similarly for R2,

we get successful message.

ie, ping 30.0.0.1

we get, Reply from 30.0.0.1: byte=32 time=14 TTL=255

gsk
23/10

Screen Shots:

