

24/11/22

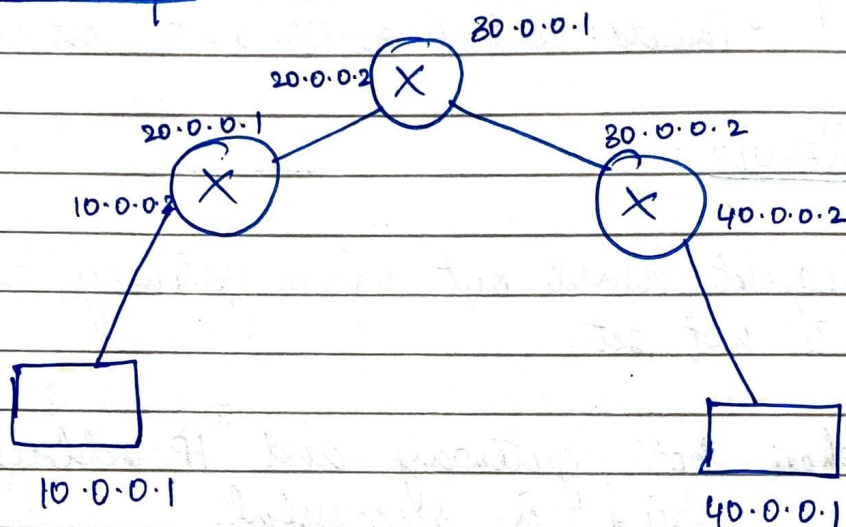
EXPERIMENT - 3

PAGE NO.:

DATE:

AIM: To configure static IP addresses to the router.

TOPOLOGY:



PROCEDURE:

- * Configure IP addresses of PC
- * Configure router interfaces
- * Set gateway addresses of PC
- * For each router, check networks it is directly connected to.
router #show ip route
- * Connect to other networks in configuration mode.
router(config)#ip route 30.0.0.0 255.0.0.0 20.0.0.2
network sub-network next hop

OBSERVATION :

Before manually connecting networks :

ping 40.0.0.1

pinging 40.0.0.1 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 40.0.0.1

packets : sent = 4, recieved = 0, lost = 4 (100% loss)

ping 20.0.0.2

pinging 20.0.0.2 with 32 bytes of data :

Request timed out

Request timed out

Request timed out

Request timed out

ping statistics for 20.0.0.2

packets : sent = 4, recieved = 0, lost = 4 (100% loss)

After connecting networks :

ping 40.0.0.1

pinging 40.0.0.1 with 32 bytes of data :

Reply from 40.0.0.1 : bytes = 32 time = 16ms TTL = 125

Reply from 40.0.0.1 : bytes = 32 time = 21ms TTL = 125

Reply from 40.0.0.1 : bytes = 32 time = 2ms TTL = 125

Reply from 40.0.0.1 : bytes = 32 time = 14ms TTL = 125

ping statistics for 40.0.0.1:
packets: sent=4, recieved=4, lost=0 (0% loss)
Approximate round trip time in milli-seconds:
Minimum = 2ms, Maximum = 21ms, Average = 13ms

RESULT:

Successful ping only on manually connecting networks.