

Program 3

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

Topology, Procedure and Observation:

LAB-3
Configure default route, static route to the router.

Aim: Successful transmission of packets from one PC to other of different routers.

Topology :- Two PCs are connected to two different routers using copper crossover and these 2 routers are connected to each other using serial DCE.

PROCEDURE :

1. After successful configuration of the two routers. Open CLI of one router and follow the commands to configure static routing.
Router 1: `> ip route 20.0.0.0 255.0.0.0 30.0.0.2`
Open the CLI of other router,
Router 2: `> ip route 10.0.0.0 255.0.0.0 30.0.0.1`

OBSERVATION :

After configuration of static routing, the 2 PCs of 2 different router networks are able to transfer/transmit the packets using `ping` command.

Output :

Router # show ip route

C 10.0.0.0/8 is directly connected, FastEthernet0/0

S 20.0.0.0/8 [1/0] via 30.0.0.2

C 30.0.0.0/8 is directly connected, Serial2/0

Screen Shots:

