

10/10/24

PRACTICAL - 11

AIM Simulate Static Routing Configuration using CISCO Packet Tracer.

PROCEDURE.

Step 1: Setting up a practice lab

Step 2: Creating, adding, verifying static router.

Step 3: router 0 requirement.

Step 4: router 1 requirement.

STUDENT OBSERVATION:

1) Simulate static routing configuration

using CISCO.

Adding static router each router knows knows only the networks directly connected to it add static route to reach a network not directly connected.

eg: router 0 networks 10.0.0.0/8,

20.0.0.0/8, 40.0.0.0/8 are directly

(2) Creating Main Backup Routes Administrative
distance decides preference of routes. the lower the AD the higher the preference.

(3) Router Configuration .

Configure static routes on each router for networks not directly connected.

(4) Verifying Router :

Verify routers by using commands
show ip route static.

(5) Testing route fail over :

Test connectivity using tracer or ping from a device on a connected network.

Disconnect or break the link on the main route.

(6) Deleting a Static Route show ip route static

(b) (i) Initial IP configuration for devices

(2) Assign IP Addresses to devices - for PCs and routers.

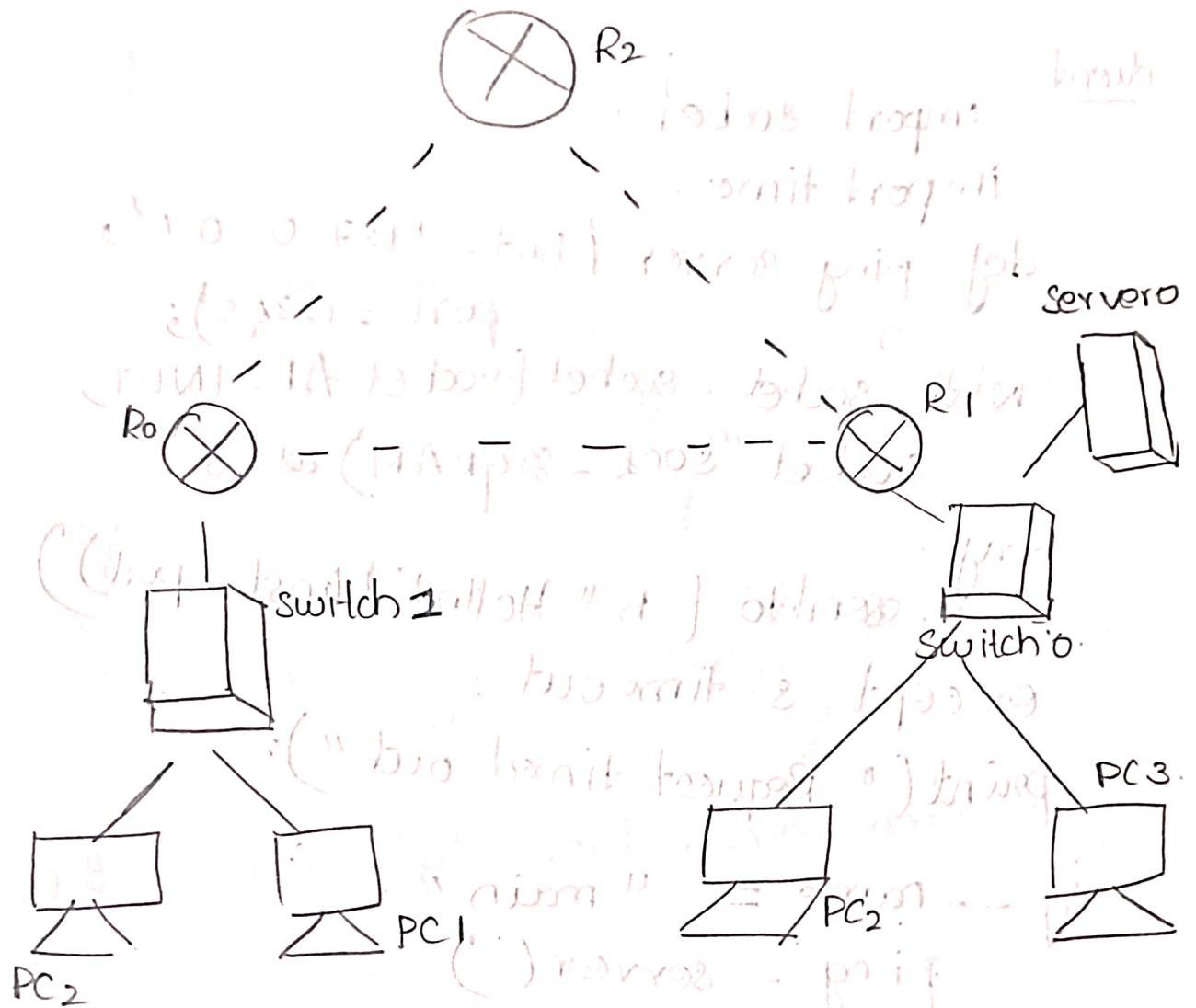
(3) Enable & configure interfaces on router

(4) Configure RIP on routers.

(5) Verify and Test Redundancy.

DELETE A STATIC ROUTE

(6). IP ROUTE STATIC.



RESULT :

Thus the program is successfully executed and output is verified