

Ex. No. 11a

Static Route Configuration

Aim:

a) Simulate static routing configuration using Cisco packet tracer

b) Simulate RIP using Cisco packet tracer

a) Adding static routes: each router learns only the networks directly connected to it.

Eg. Router 0, networks 10.0.0.0/8, 20.0.0.0/8 & 40.0.0.0/8 are directly connected but 30.0.0.0/8 & 50.0.0.0/8

2) Creating main & backup routes admin distance decides preferences of routes the lower the A.P, higher the preference

3) Router Configuration

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

4) Verifying routes:

verify routes by using commands show ip route static

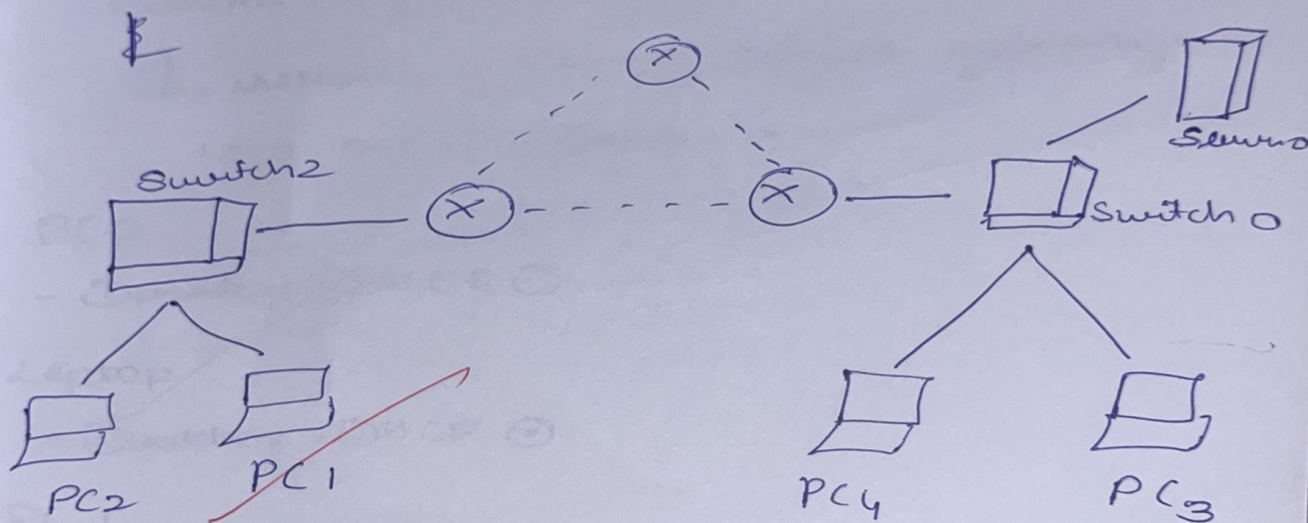
5) Testing Route Failover

→ Testing connectivity using traceroute
ping from a device on connected network

→ Disconnected can "break" the link on the main route

6) Deleting a static route.

show ip route static



b) 1) Initial IP configuration for devices

2) assign IP address to devices for PC's and routers

3) enable & configure interfaces on routers

A) configure RIP on routers

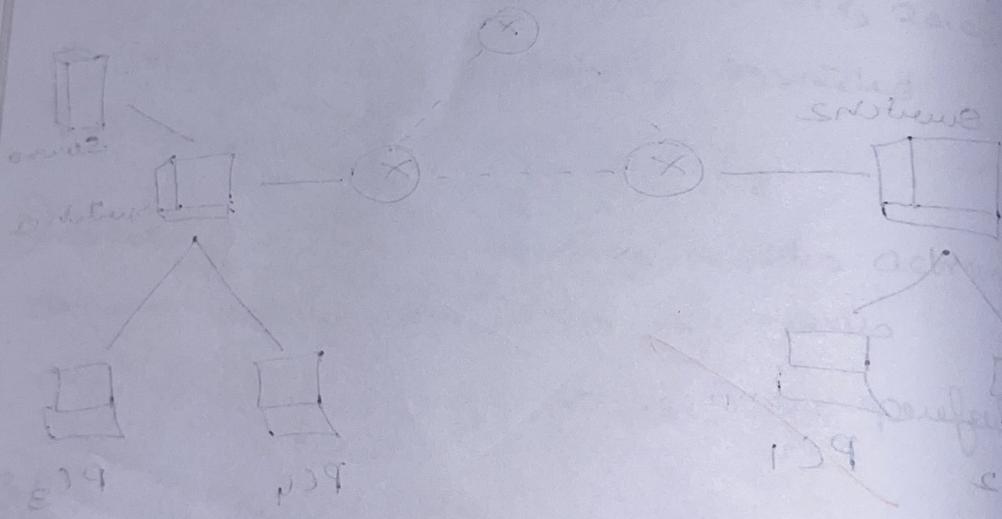
2) verify & test redundancy

- we ping command on DC1 and
- we check to see if it is working

Result:

Thus the static routing configuration using Cisco packet tracer successfully

Elle



Ex-10/6
Date: 24/10

Aim:

To work with 2 routers

Procedure

- 1) Assign
- 2) Assign

Scenario

→ 10

PC0

- Desk

Laptop

- Desk

PC1

- Desk

Laptop

- Desk

PC2

- Desk