

Exp 11

Date:

ATM)

(a) Simulate static routing configuration using Cisco packet tracer

(b) Simulate RIP using Cisco packet tracer

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

2) Creating main and backup routes administrative distance decide preference of routes. The lower AD, the higher the preference.

3) Route Configuration

Configure static routes on each router for networks not directly connected

4) Verifying routes:

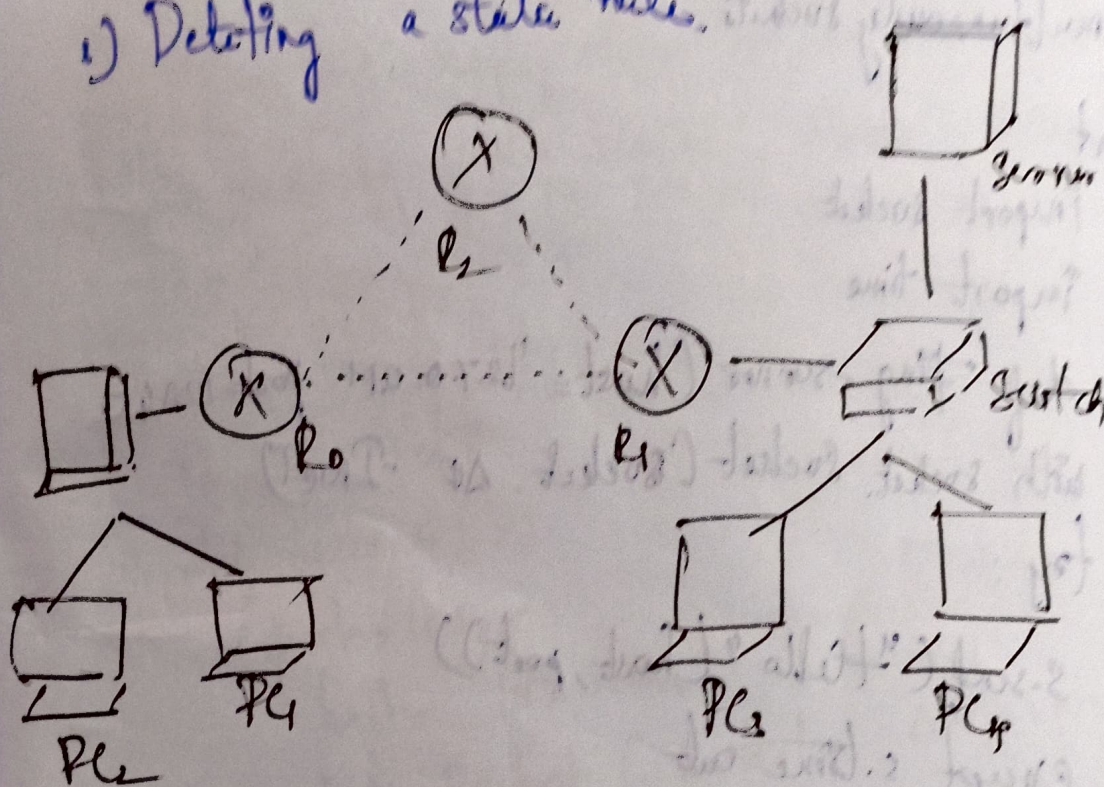
Verify routes by using commands show ip route static



5) Testing route-fail over

→ Test connectivity using `tracert` or `ping` from a device on a connected network

1) Detecting a static route



1) Initial IP config for devices

2) Assign IP addresses to devices for PCs and routers

3) Enable configurations, interfaces and routers

4) Configure RIP on routers

5) Verify and test redundancy

Use `ping` command on PC1

- Use `tracer` to see RIP mediating traffic through an alternate route