

5/10/25

Experiment - 11

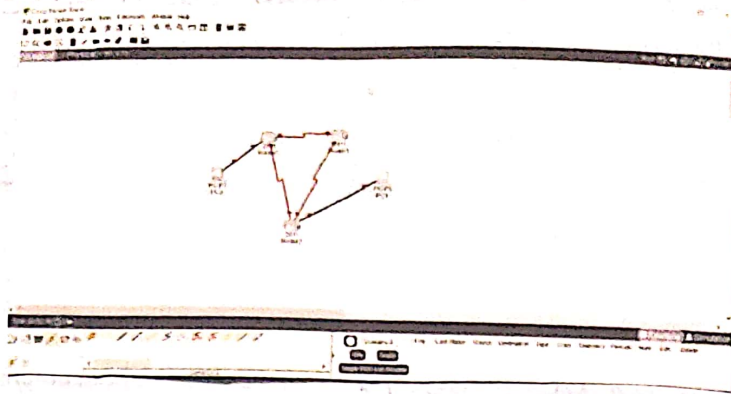
Simulate static routing configure using
cisco packet tracer.

(A) AIM: Static Routing Configuration

To simulate static routing configuration using
cisco packet tracer & understand how to
manually add, verify and manage static
routes in a network.

Procedure:

- 1) open cisco packet tracer & create 3 routers
(R0, R1, R2) with PCs.
- 2) connect router and PCs using proper cables.
- 3) Assign IP address to all interfaces based
on the given network table.
- 4) configure static routes on each router for
networks not directly connected.
- 5) verify routing table to check main and
backup routes.
- 6) Test connectivity using ping & tracer btw PCs.
- 7) simulate link failure by removing a
connection and check backup route.
- 8) ~~Delete static route if needed using router~~
~~cli.~~

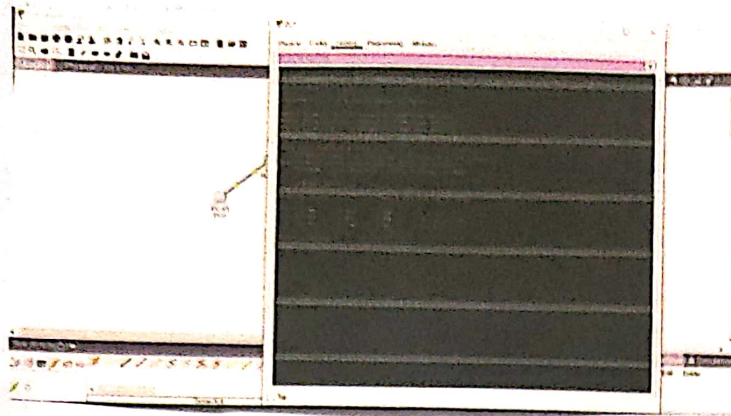


b) AIM: RIP configuration

To simulate routing information protocol (RIP) using cisco packet tracer & understand how routes automatically share routing information within a network.

Procedure :

- 1) Create a network using 3 routes (R0, R1, R2) & 2 PCs.
- 2) connect all devices & assign IP addresses as per table.
- 3) Enable all interfaces of routes.
- 4) enable RIP protocol on all routes & add network addresses.
- 5) check routing table entries learned through RIP
- 6) verify network connectivity using ping btw PCs.



Result: simulate static routing configuration using Cisco packet tracer is done successfully.

W^e
9/10/14