Exp No: 11

Date: 7/10/24

Aim:

a) Stimulate The static routing configuration using cisco packet tracer

b) simulate RIP using cisco packet tracer.

1. Adding static Routes: Each router knows only Re 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, 40.0.0.0/3 are directly connected, but 30.0.0.0/8. 50.0.0/8 ≠

2) Creating Main & backup routes,

Administrative distance decides preference of routes, Re cover The higher The preference.

3) Router configuration.

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

4) Verifying router:

Verify router by using command show ip route static

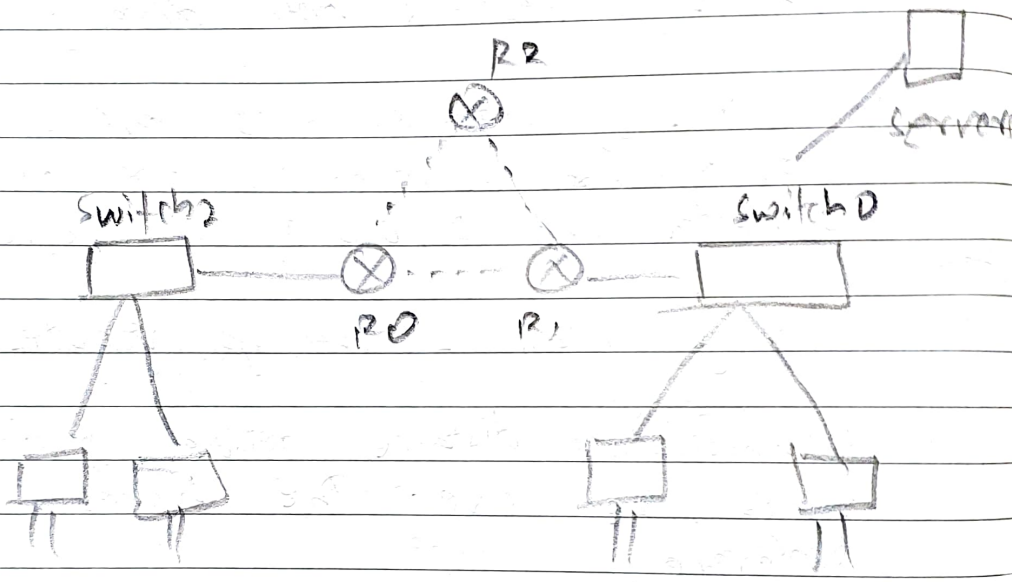
5) Testing route fail over

-> Test connectivity using tracert or ping from a device on a connected network.

->Is connect or "break" the link on the main route.

6) Delete a static Route.

show ip route static.




7) (1) Initial IP Configuration for devices
(2) Assign IP address to devices for PCs & router.
(3) Enable configure interfaces on router
(4) Configure Rip on Routers
5) Verify and Test redundancy.

- Use ping command on PC)
- Use tracert to see rip redirecting

traffic Through an alternate route

Result :-

Thus the program is successfully executed & the output is verified.

2017