

Lab 3

Configuring default route to the Router.

Router configuration steps

Router > enable.

Router # config terminal

Router (config) # interface fa0/0

Router (config-if) # ip address 10.0.0.1 255.0.0.0

Router (config-if) # no shutdown

Router (config-if) # exit.

Router (config-if) # interface se2/0

Router (config-if) # ip address 20.0.0.1 255.0.0.0

Router (config-if) # no shutdown

Router > enable.

Router # show ip route.

RI(config) # ip route	Destination Network / SubnetMask	Destination Network / Next Hop Address
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Learnings:-

* "Destination host unreachable" → when we send packets to a network that is not connected to our router or router has no information about that router.

* Every interface has a unique IP address

* Each router knows only about its immediate neighbouring signals. It doesn't know anything beyond that.

* To know about further signals, the router should go beyond its end points.