

8/10/20

### Lab 3.

Date \_\_\_\_\_

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Configure default route to the Router.

Router configuration steps.

no

Router > enable

Router # config-terminal

Router(config) # interface fa 0/0

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 se 2/0

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 |  
Destination Network SubnetMask | Next Hop Ad-  
dress

learnings:

- Destination host unreachable → when we send packets to a network that is not connected to our router or router has no information about the router.
- Every interface has a unique IP address.
- ~~Each router 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.