Connect 2 devices with router, config source & dest address

Create 2 End device

    set PC0 gateway : 10.0.0.1

        PC1 gateway : 20.0.0.1

        PC0 IP address : 10.0.0.10

        PC1 IP address : 20.0.0.10

connect Router to both devices

configure

- Click → CLI

    Router > enable

    Router# configure terminal

    Router (config)# interface fa0/0

    Router (config-it)# ip address 10.0.0.1 255.0.0.0

    Router (config-it) # no shutdown

    Same for configuring PC2

observations :-

First when we connect PCs to router, we see that the link is down and no message can be sent.

After configuring PC with default gateway and IP address we can configure the router

To configure the Router we click on the router and we get a tab named CLI, then we enable terminal then configure each of the interfaces with their corresponding IPs

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then we type no shortdown command and hit enter. We now see that links are up.

then we can use the command prompt at any of the connected pcs to send a ping request to any other pcs connected to the router. We also see that some time the request times out, but we eventually get the confirmation that the device responded.

Outcome:

learnt how to connect and configure router. learnt how to send ping messages. Experienced the errors that might occur during configuration and corrected them.