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Lab 4

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Default static address in router topology -
configuration, IP routes & pinging

Observations

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

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

We configure the routers according using CLI. After configuring all the required interfaces we see all links are up.

If we send a ping message from PC0 to PC1 we see an error saying Destination Unreachable.

This means we should add all the existing routers to routing table of all the routers that come in between two PCs.

We can check which all Network were connected using "show ip route" command and then add the missing network in R1.

In R0, R2 we give default address to complete the connection.

Then we can use the command prompt.

of any of the connected PCs to send a ping request to any other PCs connected to the router. We also see that sometime the request times out, but we eventually get the confirmation that the device responded.