

Lab-4

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Default Static address in router topology - configuration,
IP routers & ping.

Observation:

First when we connect PCs to the router we see that the link is down and no message can be sent. After configuring PCs with default gateway and IP address we can configure the router.

Now for configuring the routers we will use CLI and after configuration, all the links will be up. but if we try to 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 the routing table of all the routers that come in b/w two PCs.

We can check which all network are 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