

01/10/20

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Date \_\_\_\_\_  
Page \_\_\_\_\_

Lab2) Configuration IP address to routers in packet tracer.  
Explore ping responses.

S1) Create 2 <sup>end</sup> Devices (PCs and PC<sub>2</sub>)

Set different gateway: 10.0.0.1 and 20.0.0.1

Set diff. IP address: 10.0.0.10 and 20.0.0.10

S2) Get a router (PT-router) and configure the interfaces that is fa0 and fa1. After configuring the ~~interface~~ we check for ping by clicking in CLI and enabling the router, and then link becomes green.

S3) We now check for Ping, which checks whether destination IP is alive or not, if alive we get reply. Each packet has TTL, which has no. of nodes that packet can cross after that it dies as it keep decrementing.

# Observation:

- 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, we move to tab, when we enable the terminal. Then after we configure each of interface with their corresponding IP address. Then we type "no shutdown" command and hit enter. We now see that the link is up.
- Then we can use the command prompt of any of connected PCs to send a ping request to any other PCs connected to the router. We see that

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01/10/20

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Page

Pg 2

Some time the request times out, but we eventually get the Confirmation that devices responded.

# Outcomes:-

- Learnt how to Connect and Configure router.
- Learnt how to send ping messages.
- Experienced errors that might occur during Configuration and corrected them.