

08/10/20

CN - Lab 3 - Writeup

Three router topology - Configuration, IP routes and Ping observation:

- First when we connect PCs to routers we see that the link is down and no message is sent.
- After configuring PC with default gateway IP address we can configure the router.
- we configure the router accordingly ~~as~~ using CLI.
- After configuring all interfaces we see all links up.
- If we send ping message from PC0 to PC1 we see that we get an error saying destination unreachable.
- This means that we should add all existing routers to routing table of all the routers that come in between two PCs.
- we can check all networks were connected using "show ip route" command then add missing network.
- Then we can use command prompt of any of connected PCs to send a ping request to any other PCs connected to router.
- we see request time out but eventually get confirmation that device responded.

Outcomes:

- Learnt how to connect and configure multiple router across multiple network.
- Experienced errors while configuration and corrected them.
- Learnt destination unreachable error occurs.