LAB 3: Building a Network

Objective:

The objective of this lab is for the student to demonstrate an understanding of the basic networking equipment and to practice simple network configurations using the Cisco CLI.

Requirements:

1. Clear any existing information on the router and switch.
2. Set the hostname on the router and the switch.
3. Configure password on the router and the switch.
4. Enable SSH to allow for configuration without the console cable.
5. Configure the interfaces on the router and the switch.
6. Network three independent racks together.
7. Demonstrate network connectivity by pinging to each PC on the network.

For each group turn in a copy of the running configuration of your router and switch.

For each individual answer the following questions:

What information needed to be communicated between other groups to connect the devices?

What was the most difficult part to complete?