Hardware Installation Project

Equipment Configuration List

For this project you will need to do the following:

- Find the set of TWO Cisco 2811 Routers and ONE Cisco 3750 Switch with your assigned number on it. These will be yours to use for this class.
  - Make sure your devices have power cords ran to them.
  - You might have to run new power cords. If so, keep it clean!
  - Nice and pretty is the name of the game!

- Wire all two of your routers (both ethernets on each router) to your 3750 Switch with the appropriate Ethernet cable.
  - Hook your 3750 switch up to the uplink switch at the top of your rack, to the appropriate port designated in the equipment list.
  - Group your uplink cables with others in your rack, so it is one nice clean bundle.
  - Use velcro to group other uplink cables from others together.

- Have all your Ethernet cables installed and working.
  - You should use the velcro that is available with the cable to make your cabling nice and neat.
  - Make sure your cable lengths are not too long and not too short.
  - do a **no shutdown** on your f0/0 and f0/1 interfaces of your 2800 routers to make sure you have link on all 4 ports. No link, no points.
  - Points for neatness. Seriously.

- Wire up console cables to your 3750 switch and 2800 routers.
  - You should use the velcro available to make your cabling nice and neat.
  - Cables should be not too long and not too short.
  - Again, points for neatness.

- Clean up your work area after you. Nobody likes a messy rack neighbor!

- When crimping cables, **DO IT OVER A TRASH CAN**! Excess trimmings should not be left in the carpet.

- Make sure you can console in via the appropriate raritan to your 3750 and 2800 devices.

- Reset your 3750 and 2800s to **factory default** if they are not already

- On each device, you should:
  - Correctly configure a login for yourself and for me.
    - my username should be **cbl**, password should be **p@ssw0rd**
  - Set your hostname to be **yourlastname-3750**, **yourlastname-2800-1**, **yourlastname-2800-2**
  - Set an enable secret
  - Configure a login banner
  - Make sure your config-register is 0x2102 on your 2800s

**To pass off**

- Create three text files that contain your running-configs. One device config in each text file.
- Put the corresponding **show version** output in each of these files as well.
- Make sure the files are saved as **hostname.txt** (where hostname is the hostname you gave the device)
- Upload as a plain text files (not rtf, not doc, just txt) to Canvas
- Did I mention I will also check your cabling for neatness? Well... I will!
- Upload by the due-date and time listed in Canvas

**Points**

- 100 points possible for racking the equipment, and turning in the configurations.
- 25 points possible for “shared rack mounting/cabling cleanliness”
- 25 points possible for “personal cabling cleanliness”