CNG 2060 Lab 11.10.2/13.3.2 Report/Notes

|  |  |  |  |
| --- | --- | --- | --- |
| Hostname | Interface | Address | Default Gateway |
| BR1 | G0/0/0 | 192.168.33.129 | N/A |
| G0/0/1 | 192.168.33.249 |
| BR2 | G0/0/0 | 192.168.33.250 | N/A |
| G0/0/1 | 192.168.33.193 |
| S1 | Vlan1 | 192.168.33.130 | 192.168.33.129 |
| S2 | Vlan1 | 192.168.33.194 | 192.168.33.193 |
| PCA | Ethernet Port | 192.168.33.190 | 192.168.33.129 |
| PCB | Ethernet Port | 192.168.33.222 | 192.168.33.193 |

Network topology based on the 11.10.2 assignment, with switches given Vlan IP addresses incremented by 1 from the routers on their networks, and the two host machines given the last available IP address on the network (any theoretical future hosts on the network in the provided scenario would be decremented from those initial hosts).

All network assignment went smoothly until the configuration of ipv4 host addresses and names on the BR1 router. We were unable to complete the assignment before running out of time and having to wipe the network devices. All configuration tasks in the 11.10.2 and 13.3.2 assignments were completed on all devices to my knowledge, as network throughput was not achieved, none of the ping or traceroute sections of 13.3.2 were able to be completed.

Network connectivity was functional between all hosts and ports in the .248, and .192 networks, allowing a ping to any address on those two networks, however, the .128 network was unable to connect to the other two networks. During initial troubleshooting the PC attached to the .128 network (Host address .190) the device’s network interface card (or possibly a windows software issue) was determined to be faulty. After replacing the device it was able to ping S1, but not BR1’s G0/0/0 interface, or any other network device. Before any further troubleshooting was possible, we ran out of time and had to wipe the network equipment.