

1. Write-up of the devices and services you configured including the issues you ran into and how you fixed it (individual)

I set up the burlington border router which involved setting up the interfaces to the proper addresses as well as making sure that they were set properly in order to ping. I also helped Adam set up the MLS when there were difficulties so our network worked properly.

2. Table/list of your assigned IPs (can be shared)

```
interface Vlan10
 ip address 10.100.10.1 255.255.255.0
!
interface Vlan20
 no ip address
!
interface Vlan30
 ip address 10.100.30.1 255.255.255.0
!
interface Vlan40
 ip address 10.100.40.1 255.255.255.0
!
interface Vlan50
 ip address 10.100.50.1 255.255.255.0
!
interface Vlan60
 ip address 10.100.60.1 255.255.255.0
!
```

VLAN	Device Name	IP Address	Interface
Core	BTV-Office-Router	10.100.10.3	eth1
10	BTV-Border-Router	10.100.10.2	eth2
Internet	BTV-Border-Router	192.168.3.249	eth1
10	BTV-MLS	10.100.10.1	VLAN10
30	BTV-MLS	10.100.30.1	VLAN30
40	BTV-MLS	10.100.40.1	VLAN40
50	BTV-MLS	10.100.50.1	VLAN50
60	BTV-MLS	10.100.60.1	VLAN60

3. Screenshot of successful ping (can be shared)

```
Switch#
00:36:50: %SYS-5-CONFIG_I: Configured from console by console
Switch#ping 10.100.10.2

Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 10.100.10.2, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 1/1/1 ms
Switch#ping 10.100.10.3

Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 10.100.10.3, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 1/1/1 ms
Switch#
```

VLAN	VLAN_NAME	Network	Netmask	Router Address		GROUP :	Abijah
10	CORE	10.100.10.0 /24	255.255.255.0	10.100.10.1		BTV-1	Adam
20	Office	10.100.20.0 /24	255.255.255.0	10.100.20.1			David
30	WEB	10.100.30.0 /24	255.255.255.0	10.100.30.1			Reed
40	DB	10.100.40.0 /24	255.255.255.0	10.100.40.1			
50	AUTH	10.100.50.0 /24	255.255.255.0	10.100.50.1			
60	DMZ	192.168.3.0 /24	255.255.255.0	192.168.3.1			
VLAN	Device Name		IP Address	Interface		MLS Port Assignments:	
Core	BTV-Office-Router		10.100.10.3	eth1		1-2: 10/CORE	
10	BTV-Border-Router		10.100.10.2	eth2		3-4: 20/Office	
Intern et	BTV-Border-Router		192.168.3.249	eth1		5-6: 30/WEB	

10	BTV-MLS	10.100.10.1	VLAN10		7-8: 40/DB	
30	BTV-MLS	10.100.30.1	VLAN30		9-10: 50/AUTH	
40	BTV-MLS	10.100.40.1	VLAN40		11-12: 60/DMZ	
50	BTV-MLS	10.100.50.1	VLAN50			
60	BTV-MLS	10.100.60.1	VLAN60			