Overview

This Build-It-Night will focus on cross-vendor networking. Your objective is to build a network using a combination of Cisco and Juniper gear. In order to successfully complete this task your team will have to meet the minimum requirements listed below.

You will need more gear than listed below. It's up to you to figure that portion out.

Also, remember that Google is your friend.

Gear Requirements

1 - Cisco router (model of your choice)
1 - Juniper J2320 router

Network Requirements

3 - Private networks
- ➔ 2 stub networks: 1 on the Cisco, 1 on the Juniper
- ➔ 1 network that is shared between the Cisco and the Juniper

End Result

Successfully ping between all three networks

How to Reset A Juniper Router (do this before you begin)

1. Press and hold the **RESET CONFIG** button on the front of the router until the **CONFIG** light flashes (this will take about 15 seconds)
2. Press the **POWER** button once
3. Wait for the router to shut down
4. Reboot the router by pressing the **POWER** button
5. The default username is `root` and you should not be prompted for a password

Recommended Steps

*****PAY CLOSE ATTENTION TO THE ORDERING OF STEPS 5 AND 6*****

1. Plan/Build your topology
2. Enter the command line interface
3. Set your interfaces
4. Setup routing (static or use a protocol)
5. Ping between PCs
6. Ping interfaces

These steps are just a rough outline. It's not as easy as 1...2...3...4...5...6.

If you're done quickly try changing it up. Use a new protocol, add to the topology.

The point of the Build-It-Nights is to learn and have fun!

Planning Space

Network Information (All networks must begin with 10.__.X.X)

Network 1	
Network 2	
Network 3	

Topology

Score Card

Team Members:_____

Everything's made up and the points don't matter.

Item	Points	Achieved?
Ping between hosts	50	
Ping router interfaces	20	
RIP/OSPF/Other routing protocol (instead of static routing)	50	
Password changed to something else	10	

Hartpence-Like Appendix

set

If you're stuck, ask for help. We know (most of) the answers.