NeXTHOP
3/12/15 BUILD-IT-NIGHT: DHCP/DNS

Overview

This Build-It-Night will focus on DHCP (Dynamic Host Configuration Protocol) and DNS (Domain Name System). These are two fundamental protocols to any infrastructure. Two servers will be built to serve your clients these protocols. Feel free to ask for help and use the Internet.

Before you Begin

- Team up into groups of two - Make some new friends!
- Grab a bench and patch both computers onto the same VLAN
- Choose whether you want to use Linux or Windows for each of your servers
  - *Tip:* If this is your first time, we recommend Windows

Requirements

- DHCP server on either Windows Server or CentOS
- DNS server on a different physical machine on either Windows Server or CentOS
- Clients (physical machines/other VMs) able to get an address through DHCP and resolve hostnames
- *Bonus 1:* Resolve hostnames elsewhere (ex. google.com)
- *Bonus 2:* Setup an Active Directory Server

Score Card

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

Item	Points	Achieved?
DHCP Server - Windows	20	
DHCP Server - CentOS	25	
DNS Server - Windows	25	
DNS Server - CentOS	40	
DNS Server - Resolve external hostnames	10	
AD Server - Functional	20	