The Lab in Review

Today in the lab we covered many different steps and technologies. Let us take a brief review of what we learned and what we can take away from it.

☐ Topics Covered ☐

- Vagrant
  - Multi-node topologies
- VirtualBox
  - Using VirtualBox with Vagrant
  - Using a VirtualBox GUI
- Ubuntu 14.04.2
  - NetDevOps Development Environment
- vSRX
  - Firewall Policies
  - NAT Policies
  - AppFirewall Policies
  - IDP Policies
  - OSPF
  - IPSec VPNs
  - License Management
  - AppSecure Package Installation
- Python
  - PyEZ
    - Junos RPCs via Python
    - Tables and Views
  - Jinja Templating
    - Creating Junos Configs from Jinja Templates
  - Language Elements
    - Classes
    - Functions and Methods
    - Variables
    - Loops
  - Python Best Practices
- Ansible

- Ansible Templating
  - Multi-include Playbooks
  - Using External Scripts from Ansible
  - Using Variables
  - Junos Ansible Modules
- SSH
  - SSH Subsystems
- NETCONF
  - XML
  - XML-RPC
  - XPATH
  - NETCONF Best Practices
- Markdown
  - All of the documentation is written in Github Flavored Markdown
- Git Basics

☐ Take Aways ☐

- A vSRX environment
  - vSRX that connects to the local network
  - A simple way to demo the capabilities of the vSRX with customers
- NetDevOps Development Environment
  - Develop and test automation tools
- A lab that you can share and use with customers
  - All materials shared here are publicly available
  - You can take a customer through many of the steps without the proctor headend
  - Easy to setup proctor headend
- A Git repository that you can take with you to the lab