Network and Security Automation Workshop

This repository contains an entire class on creating network automation. It utilizes vSRX and the NetDevOps VM (an Ubuntu development environment). In the course of the lab you will build a multi-node vSRX topology connecting to a single headend.

Course Steps

The course is divided into multiple steps.

1. Overview

    i. Topology Overview
    ii. vSRX Topology
    iii. Software Overview
    iv. Installing Software
    v. Using Python and PyEZ Library
    vi. Using Ansible
    vii. Basic API Review
    viii. NETCONF Magic

2. Hands On Lab

    i. Configuring NAT
    ii. Basic Firewall Policies
    iii. Registering your host
    iv. VPN connection to headend
    v. Enabling Dynamic Routing
    vi. Creating VPN Firewall Policies
    vii. Automating Licenses
    viii. Creating Application Policies
    ix. Creating IPS Policies
    x. Disaster Strikes!
    xi. Recovering the lab
    xii. Reviewing the lab

VM Access Information

- VM Host Passwords

Proctor Instructions

- Proctor Instructions