

# Network and Security Automation Workshop

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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

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The course is divided into multiple steps.

[Complete PDF documentation](#)

## Overview

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1. [Getting a copy of the lab](#)
2. [Topology Overview](#)
3. [vSRX Topology](#)
4. [vSRX Headend Topology](#)
5. [Connecting to your VMs](#)
6. [Software Overview](#)
7. [Installing Software](#)
8. [Using Python and PyEZ Library](#)
9. [Using Ansible](#)
10. [Basic API Review](#)
11. [NETCONF Magic](#)

## Hands On Lab

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1. Configuring NAT
  1. [Configuring NAT with NETCONF \(Example\)](#)
  2. [Configuring NAT with Ansible](#)
2. [Basic Firewall Policies](#)
3. [VPN connection to headend](#)
4. [Enabling Dynamic Routing](#)

5. [Creating VPN Firewall Policies](#)
6. [Automating Licenses](#) (skip if you dont have licenses)
7. [Creating Application Policies](#) (skip if you dont have licenses)
8. [Creating IPS Policies](#) (skip if you dont have licenses)
9. [Disaster Strikes!](#) (add disaster creating steps)
10. Recovering the Lab
  - [Recovering the lab with licenses](#)
  - [Recovering the lab without licenses](#)
11. [Reviewing the lab](#)

## VM Access Information

- [VM Host Passwords](#)

## Proctor Instructions

- [Classroom Handout](#)

# TODO

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1. Support VMware Workstation, Fusion, and Virtual Box
  - Add in VMware instructions