

Lab Setup [Local Machine]

Using Vagrant and VirtualBox

Assignment 1

Step 1 (Download and Install VirtualBox)

Download and install Virtual Box on to your machine using the link below:

VirtualBox download - <https://www.virtualbox.org/wiki/Downloads>

Step 2 (Download and Install vagrant)

Download and install vagrant onto your machine using the link below:

Vagrant Download - <https://www.vagrantup.com/downloads.html>

Step 3 (Create a CentOS Node)

Create a Centos node via Vagrant using a “vagrant box” from Vagrant cloud and configure the following properties:

- Hostname: centos-node
- Private IP: 172.25.25.104
- Vagrant Box: [bento/centos-7](#) (recommended)

Step 4 (Create an Ubuntu Node)

Create an ubuntu node via Vagrant using a “vagrant box” from Vagrant Cloud and configure the following properties:

- Hostname: ubuntu-node
- Private IP: 172.25.25.105
- Vagrant Box: [bento/ubuntu-18.04](#) (recommended)

Step 5 (Check connectivity between 2 nodes)

1. Login to *centos-node* (172.25.25.104)
2. SSH into *ubuntu-node* (172.25.25.105)

Step 6 (Optional) Additional Challenge

- Setup Password-less Authentication between both nodes