# Ansible-through-Vagrant

Installing Ansible in Windows Operating Systems

# Requirement’s

* **Vagrant**
* **VirtualBox (windows hosts)**
* **Cmder mini (Terminal)**

# Usage

Below all are opensource technologies, pretty much useful for testing and building.

**Virtual Box** - can install multiple distributions (Linux, windows, ubuntu etc.,).

**Vagrant**- It creates the platform in background to Configure, manage virtual machines automatically.

**cmder**-It’s just like a terminal or CLI (Command Line Interface) used to run scripts.

# Installing oracle virtual Box:

Click on link <https://www.virtualbox.org/>

Select windows hosts

Run Application to prepare for installation

Follow the steps (it’s better to leave default)

Click Install

Few pop-ups will arrive, just click Yes for all.

Make sure accepting all installations that was asked during setup

# Installing Cmder

http://cmder.net/ (download mini version)

No installation for cmder as you will get a terminal window in the cmder folder that you downloaded.

# Installing Vagrant

Click on the below link and save vagrant file.

<https://www.vagrantup.com/downloads.html>

Run Installer

Check the box to accept terms and conditions

It saves in path **(C:\harshicorp\vagrant)**

Click install

Restart PC

# Provisioning

In windows create folder in the path (**c/users/Vagrant\_Labs**)

**open cmder mini CLI**.

Navigate to the folder that you created and Type command **($ vagrant init)** to initialize vagrant.

open the vagrant file with command **($ notepad vagrant file)** that created automatically after initializing.

Now, here configure VM's by copying the below code in vagrant file to create a Vm

**Vagrant.Configure("2") do |config|**

**config.vm.define "demo" do |demo|**

**demo.vm.box = "centos/7"**

**demo.vm.hostname = "demo"**

**demo.vm.network "private\_network”, ip:"10.10.0.10"**

**demo.vm.network "forwarded\_port”, guest:8080, host:9090**

**end**

**end**

# **Note**

Above code demo is a sample name for Vm, installing centos, assigning private network and ports. You can choose according to your convenience.

# Installing Ansible

SSH into Vm.

Install packages **$ yum install epel-release**

Install python by command **$ yum install -y python**

Install Ansible using command **$ yum install -y ansible**

**$ Ansible --version**