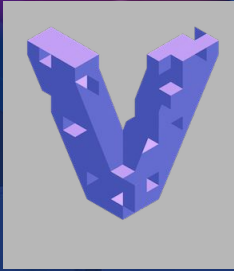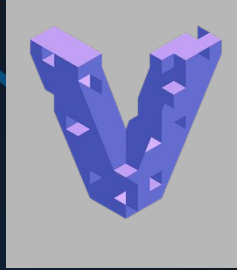# Vagrant

VM Automation

Vagrant Manages/ Automates VM Lifecycle
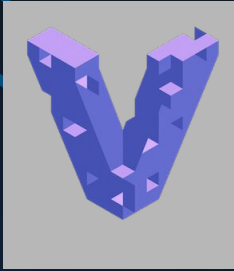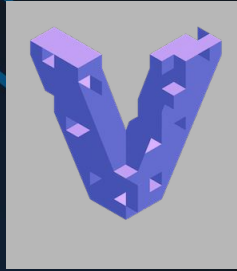
VM Management Problems

- OS Installations

- Time Consuming

- Manual setup

- Tough Replication for Multi VM

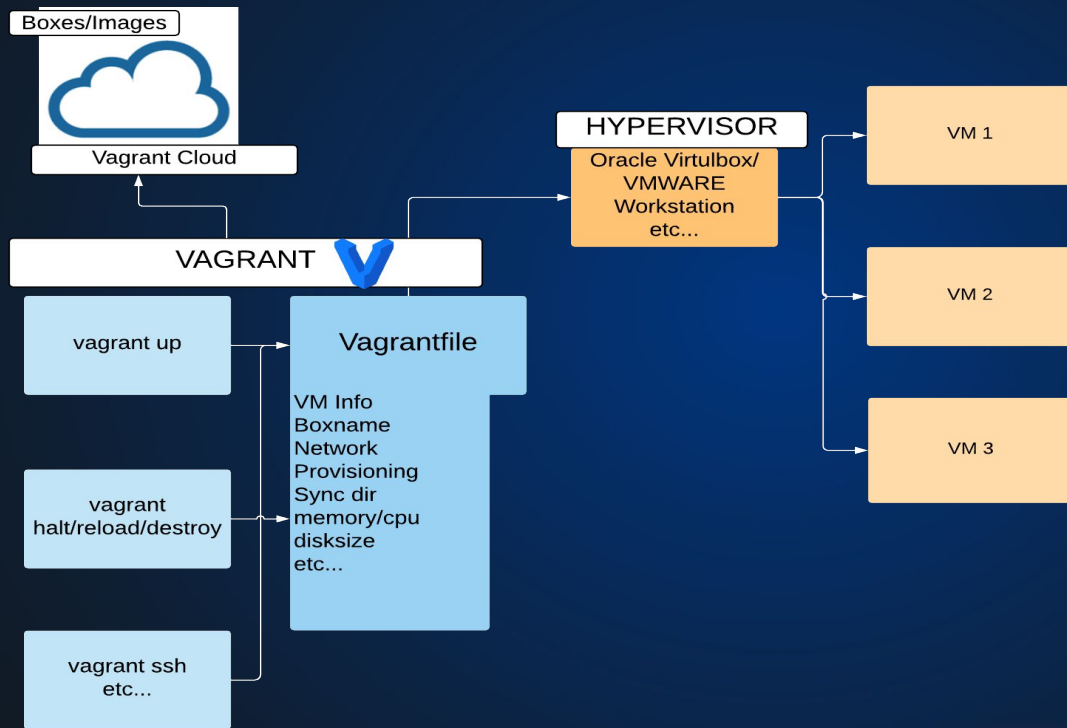- Documentations for Multi VM

Vagrant for VM's

- No OS Installations

- VM Setup through Images(vagrant boxes)

- Images/Boxes available in Vagrant cloud

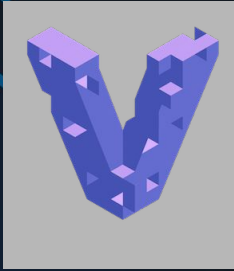- Manage VM's with a file (Vagrantfile)

Vagrant for VM's

- VM changes automatic through Vagrantfile

- Vagrant commands to manage VM's

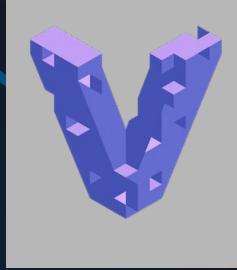- Provisioning VM/Executing commands & scripts

- Etc...

Vagrant Architecture

Vagrant Setup

- VT (Virtualization Technology) Enabled in BIOS

- Vagrant tool

- Hypervisor like Oracle Virtualbox

- CLI (Command Line Interface) like GIT Bash, Cygwin, CMD prompt etc…

VM SETUP WITH VAGRANT

- Vagrant Box Name from *https://app.vagrantup.com/boxes/search*

- Project Directory (Folder/Directory at any location of your choice)

- Vagrantfile in Project Directory

- Vagrant commands like "vagrant up"

- Login with "vagrant ssh" command for Linux vm's.