**Instructions for running the project**

* First you need to install the virtualbox for running the vagrant vm

sudo apt-get install virtualbox

* Installing the vagrant

sudo apt-get install vagrant

* Install the dkms package to ensure that the VirtualBox host kernel modules (*vboxdrv*, *vboxnetflt* and *vboxnetadp*) are properly updated if the Linux kernel version changes during the next apt-get upgrade.

sudo apt-get install virtualbox-dkms

* Getting vagrant  machine up

vagrant box add Ubuntu/trusty64

* Initializing the Vagrant Virtual Machines

$ mkdir vagrant\_project

$ cd vagrant\_project

$ vagrant init

* Create a root directory for your Project. Then create a vagrant file in this folder by calling 'vagrant init', which will be the central file for the project configuration.

We’ve the vagrant project pushed on git, so you can pull that and run the vm with that Vagrant file.

* Running the vagrant file

$ vagrant up

it will create the VMs as we described on vagrant file and it will take some time depends on host machine.

You need to allocate the memory capacity 2GB at least for running the virtual machine.

We are running the Redis and consul docker container for VMs and it will be shared with each VMs.

* Testing the Redis script for smoking

You can use the redis by installing the redis-cli.

sudo apt –get install redis-tools

And I’ve attached the simple script for redis testing, you can run that by pulling from git repository.

* You can run the consul agent by running the below command

consul agent -dev