

Application Containerization Lab File

Roll no: R171218009

Experiment 1

AIM: Installing Vagrant & Creating basic vagrant box using Virtual Box virtualization.

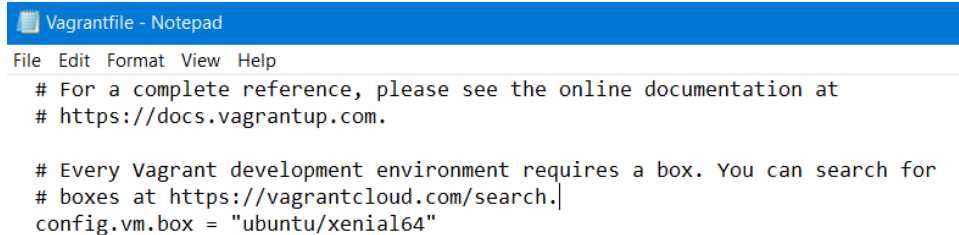
Download and Install Oracle Virtual Box and Vagrant, checking working of Vagrant using `vagrant --version` command.

```
D:\A_semester_6>vagrant --version
Vagrant 2.2.14
```

Run vagrant init command

```
D:\A_semester_6>vagrant init
A `Vagrantfile` has been placed in this directory. You are now
ready to `vagrant up` your first virtual environment! Please read
the comments in the Vagrantfile as well as documentation on
`vagrantup.com` for more information on using Vagrant.
```

Editing "Vagrantfile" and adding ubuntu/xenial64 in box tag.



```
Vagrantfile - Notepad
File Edit Format View Help
# For a complete reference, please see the online documentation at
# https://docs.vagrantup.com.

# Every Vagrant development environment requires a box. You can search for
# boxes at https://vagrantcloud.com/search.|
config.vm.box = "ubuntu/xenial64"
```

Run vagrant up command

```
D:\A_semester_6\vm_doc>vagrant up
Bringing machine 'default' up with 'virtualbox' provider...
==> default: Box 'ubuntu/xenial64' could not be found. Attempting to find and install...
    default: Box Provider: virtualbox
    default: Box Version: >= 0
==> default: Loading metadata for box 'ubuntu/xenial64'
    default: URL: https://vagrantcloud.com/ubuntu/xenial64
==> default: Adding box 'ubuntu/xenial64' (v20210127.0.0) for provider: virtualbox
    default: Downloading: https://vagrantcloud.com/ubuntu/boxes/xenial64/versions/20210127.0.0/providers/virtualbox.box
Download redirected to host: cloud-images.ubuntu.com
    default:
==> default: Successfully added box 'ubuntu/xenial64' (v20210127.0.0) for 'virtualbox'!
```

Run vagrant SSH command

```
D:\A_semester_6\vm_doc>vagrant ssh
Welcome to Ubuntu 16.04.7 LTS (GNU/Linux 4.4.0-201-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

0 packages can be updated.
0 of these updates are security updates.

New release '18.04.5 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

vagrant@ubuntu-xenial:~$
```