VAGRANT

**Vagrant** is an [Open-source software](https://en.wikipedia.org/wiki/Open-source_software) product for building and maintaining [portable](https://en.wikipedia.org/wiki/Software_portability) [virtual](https://en.wikipedia.org/wiki/Virtualization) development environments.

The core idea behind its creation lies in the fact that the environment maintenance becomes increasingly difficult in a large project with multiple technical stacks

Steps:-

1.Download Oracle virtual box .exe (VirtualBox-5.1.6-110634-Win ) and install that in your system.

2.download vagrant (vagrant\_1.8.5) and install it also.

3.open cmd 🡪make one directory i.e, mkdir myfirst.

4.then go to that dir 🡪 cd myfirst

NOTE: Either do step 5 but if its not working for vagrant up then try step6.

5.Type vagrant init (it just generates a vagrant file )

OR

6. type git

7.git clone precise64 from Bonobo Git Server🡪 Login to Bonobo Git Server through this link 🡪http://10.53.67.7/Bonobo.Git.Server/Home/LogOn?returnUrl=%2FBonobo.Git.Server%2FHome%2FIndex 🡪 with credentials Username-admin,Password-admin

8.Go to repository 🡪 vagrant-on-windows 🡪 click on that link and copy the URL

9. And go to the cmd n type – git clone that URL

10.Then you’ll be able to find that folder in your local system with 2 files inside it –

a) precise64

b) vagrant file

11.copy these 2 files just outside the folder and delete that vagrant-on-windows folder.

12.Then type – vagrant up

NOTE : To run some operating systems, virtualization software and virtual machines hardware virtualization should be enabled.

CHEF

13.Download chef development kit <https://downloads.chef.io/chef-dk/windows/>.

14.Install chef development kit chef- 0.17.17-1

15.refer the link for knowing about knife <https://learn.chef.io/manage-a-node/rhel/set-up-your-chef-server/>

16.Download the starter kit from chef server https://10.53.67.12/organizations/devops/groups

username: lokeshwari, password: chef123

17.Go to Administration 🡪 organization 🡪 download the starter kit

18.In starter kit chef-repo 🡪.chef 🡪 .pem file will be present

19.put trusted certificates in .chef repo

20.