# Download chef server

wget https://packages.chef.io/files/stable/chef-server/14.1.0/ubuntu/18.04/chef-server-core\_14.1.0-1\_amd64.deb

# Configure chef server

sudo chef-server-ctl reconfigure

# Check configuration status

<USER\_NAME>: corefinder

<FIRST\_NAME>: Soumyajit

<LAST\_NAME>: Basu

<EMAIL>: soumyajit.basu62@gmail.com

<PASSWORD>: corefinder@chef

mkdir .chef

# Create chef user

sudo chef-server-ctl user-create corefinder Soumyajit Basu [Soumyajit.basu62@gmail.com](mailto:Soumyajit.basu62@gmail.com) 'corefinder@chef' --filename ~/.chef/corefinder.pem

<ORG\_NAME> : simplilearn

<ORG\_FULL\_NAME> : simplilearnltd

<USER\_NAME> : sai

# Create organization

sudo chef-server-ctl org-create simplilearn "simplilearnltd" --association\_user sai --filename ~/.chef/simplilearn.pem

sudo chef-server-ctl install chef-manage

sudo chef-server-ctl reconfigure

sudo chef-manage-ctl reconfigure

sudo opscode-manage-ctl reconfigure

# Validate

● Then go to https://localhost and login with username and password you provided

# Download chef workstation

wget https://packages.chef.io/files/stable/chef-workstation/21.1.233/ubuntu/18.04/chef-workstation\_21.1.233-1\_amd64.deb

# Workstation installation

sudo dpkg -i chef-workstation\_21.1.233-1\_amd64.deb

# Install kitchen

apt-get update && apt-get upgrade

sudo -i

gem install kitchen

gem install kitchen-vagrant

kitchen list

# error if there is virtualbox

sudo apt install virtualbox

curl -O https://releases.hashicorp.com/vagrant/2.2.9/vagrant\_2.2.9\_x86\_64.deb

sudo apt install ./vagrant\_2.2.9\_x86\_64.deb

kitchen create

kitchen login <>

chef generate repo chef-repo

cd chef-repo

sudo ssh-copy-id -p 42006 <your\_username>@localhost

cp ~/.chef/\*pem .chef

cp ~/Downloads/config.rb ~/chef-repo/.chef/knife.rb

knife ssl fetch

knife ssl check

# for reference

ssh -p 42006 -X [ganeshjkale1988@ganeshjkale1988sl0018.simplilearnlabs.com](mailto:ganeshjkale1988@ganeshjkale1988sl0018.simplilearnlabs.com)

# Kitchen configuration

Kitchen.yml

---

driver:

name: vagrant

provisioner:

name: chef\_zero

platforms:

- name: ubuntu-20.04

- name: centos-8

suites:

- name: default

run\_list:

- recipe[webserver]

attributes:

recipes/default.rb

#

# Cookbook:: webserver

# Recipe:: default

#

# Copyright:: 2021, The Authors, All Rights Reserved.

package 'apache2' do

action [:install]

end

service 'apache2' do

action [:start, :enable]

end

template '/var/www/html/index.html' do

source 'index.html.erb'

end

mkdir templates

#create a file called index.html.erb put this content into that file

<html>

<body>

<h1>Hello Simplilearn</h1>

</body>

</html>

kitchen test

knife upload cookbooks