**Steps to create workstation and bootstrap Nod**

**1. Setup Chef workstation**

mkdir ~/mychefworkstation

Install chek-dk from below url on Radhat

wget https://packages.chef.io/files/stable/chefdk/1.3.43/el/7/chefdk-1.3.43-1.el7.x86\_64.rpm

sudo rpm -ivh chefdk-1.3.43-1.el7.x86\_64.rpm

**2.Create Chef Server or use below**

https://api.chef.io/organizations/sanjeevbookdepot/getting\_started

username: sk0014260

Password: Techmahindra1

**3. Setup knife on workstation by downloading starter kit from chef server**

download chef-starter.zip from chef serber to chef-workstation

Extract chef-starter.zip to your ~/mychef directory

Now verify that the ~/mychef/chef-repo/.chef

**4. Download SSL certificate**

cd ~/mychef/chef-repo

knife ssl fetch

**5. Test the connection to Chef server**

knife client list

**6.Create the Cookbook**

a. Create First Cookbook in Chef

cd ~/myrepo/cookbooks

chef generate cookbook myfirstcookbook

b. how to include myfirstrecipe.rb to default.rb

vim ~/myrepo/cookbooks/myfirstcookbook/recipes/default.rb

#add below line

include\_recipe 'myfirstcookbook::myfirstrecipe'

c.create a role now which would be applied to all the node as it will contain the runlist to be applied which is common to all node

vi ~/mychef/chef-repo/roles/common.json

{

"name": "common",

"description": "This role installs the common packages to be present on all servers",

"run\_list": [

"recipe[myfirstcookbook]"

]

}

c. Upload the cookbook to chef-server

knife cookbook upload myfirstcookbook

**7. Bootstrap a node with chef**

cd ~/mychef/chef-repo

knife bootstrap 174.129.177.215 --ssh-user ec2-user --sudo --identity-file /home/ec2-user/mychefworkstation/key.pem --node-name qa2webserver --run-list 'recipe[myfirstcookbook]'