**On RHEL:**

**Chef Installation:**

**yum update –y**

**yum install wget**

**wget** [**https://packages.chef.io/files/stable/chefdk/3.3.23/el/7/chefdk-3.3.23-1.el7.x86\_64.rpm**](https://packages.chef.io/files/stable/chefdk/3.3.23/el/7/chefdk-3.3.23-1.el7.x86_64.rpm)

**chmod 755 chefdk-3.3.23-1.el7.x86\_64.rpm**

**rpm -Uvh chefdk-3.3.23-1.el7.x86\_64.rpm**

**chef --version**

**After chefDk is installed on WS and nodes were ready**

Go to  [**https://manage.chef.io**](https://manage.chef.io)

1. Create an organisation on your hosted chef
2. Download or copy the starter kit of respective organisation onto your Work Station by using below command

**scp -i < path of pem file on your laptop > < path of chef-starter.zip on your laptop > ec2-user@<public-ip of work station>:< workstation path to be copied>**

**on another terminal execute the above command to copy chef-starter.zip in to work station**

**Go to work station**

**Pwd**

**cd /var/tmp**

**unzip chef-starter.zip**

**Move into the folder " chef-repo"  and execute the below commands**

**mv chef-repo /root**

**cd chef-repo**

**create a cookbook as below  under " cookbooks " direcory .**

**chef generate cookbook < cookbook name >**

**create a recipe  under recipes directory**

**vi < filename.rb>**

**package 'httpd'  do**

**action :install**

**end**

**cd /root**

**upload a cookbook**

**knife cookbook upload <cookbookname>**

**Bootstrap your nodes with chef server .**

**knife bootstrap <IP address of node>  --ssh-user default user --sudo --identity-file /var/tmp/sep27.pem  -N "nodename"**

**adding runlist to the nodes .**

**knife node run\_list add < nodename> 'recipe[<cookbookname>::<recipename>]'**

**on Node:**

we need to wait for the convergence to happen , or we can do forced convergence  by executing below command on the nodes**.**

**Chef-client**

**Service httpd start**

**Service httpd status**

**Go to browser & access httpd with public IP of node**