**HOW TO CREATE COOKBOOK :**

>> To write cookbooks we need to go for chef-repo directory , it will be in stater-kit folder

>>once we enter into stater-kit here chef-repo default directory will be there so go to that directory and create cookbooks

TO CREATE COOKBOOK the syntax is ,

**$chef generate cookbook cookbookname**

**$chef generate cookbook LeadApp**

>>we will create cookbooks in workstation , after creating cookbook we have to upload that cookbook in chef-server and in chef-server already node will be there now i have to runlist that cookbook into client server ,

----------------------------------------------

**F:\chef-25\chef-repo\cookbooks$chef generate cookbook LeadApp**

Now cookbook is created in the name of LeadApp in that LeapApp cookbook some default folders and files will be there ,

Now if i want to write any recipes then we have to go to recipe directory in that recipe **default.rb** file will be there

default.rb file is a one recipe,we can create multiple recipes

**>>Now i want to create one file in client server :**

recipe ,

$cd /opt/

$cd /maven/

$vi file.rb

---------------------------------------------------

**file "/opt/maven/filename(devops123) do**

**action :create**

**content "hello devops file'**

**end**

**---------------------------------------------------**

**In Workstation we have to do ,**

Now i created cookbook in that cookbook i added some sample recipe where i added means under recipe directory default.rb file is there in that default.rb file i opened and wrote ruby syntax

after writing cookbook we need to check whether it perfect or not so that the command is ,

**knife cookbook test cookbookname**

**$knife cookbook test LeadApp -----** if any issues are there in cookbook it will display here if it is fine now i need to upload that cookbook into server ,

to upload the command is ,

**$knife cookbook upload cookbook\_name -----** if i hit this command that cookbook will be

upload into chef-server ,

**without giving any password and all how it will upload :**

How it will upload means in the stater-kit we have chef-repo and all credentials we have so by using cookbook we will upload into chef-server

>>Now login to chef-server and chef nodes and policy in the policy we have one option like cookbook if we click on that cookbook LeadApp cookbook will be displayed which we have written

click on cookbook(LeadApp) , we can check recipes how many reciepes we have and content and all we can check )

**NOW I WANT TO ADD COOKBOOK INTO RUNLIST :**

suppose node1 is a one client server

**>>graphically how to add cookbook into runlist :**

first login into chef-server and go to nodes select particular node and enter into runlist here you can see the option like availability recipes drag that recipe into current runlist , and drag the cookbook into current runlist ( current runlist option you can see there ) and save runlist.

after that login into client server and hit a command **$chef-client** we can hit this command in any path.

**opt/maven/devops123>chef-client**

**if you hit chef-client it will dispaly cookbook and create new file. how many cookbooks you added in runlist that all cookbooks will dispaly here.**

**here we have to mention order also first which cookbook needs to add in runlist ,**

**here we did manually**

**$ls**

>>to check ip address , **$ifconfig** command we have to hit or **#ip a**

-----------------------------------------------------------------------------------------------------------

**IN COMMAND HOW TO ADD COOKBOOK INTO RUNLIST :**

**once we upload the cookbook it will be uploaded into the policy in chef-server.**

**the command is ,**

**$knife node run-list add nodename "(recipe cookbookname)"**

**$knife node run-list add node1 "recipe sample3"**

this command we have to hit in workstation server only , it will dispaly all cookbooks here

cd chef-repo

cd cookbook

chef generate cookbook cookbookname or

old command knife cookbook create cookbook name

cd recipe

vi default.rb

write ruby script

:wq

knife cookbook test cookbook\_name

knife cookbook upload cookbook\_name

login into chef server add into runlist after go to client server and hit a command $**chef-client**

**NOW I AM SCHEDULING CRONTAB IN CLIENT-SERVER ,**

under etc/cront.d directory

vi chef-client

\*/2 \* \* \* \* root chef-client

i am scheduling crontab , 2 \* \* \* \*

after that in workstation hit a command ,

**knife node run\_list nodename "recipe cookbook\_name"**