**HOW TO WRITE COOKBOOK FOR PACKAGES AND SERVICES :**

stater-kit-->chef-repo-->cookbook-->create cookbook -->recipe-->default.rb

**vi default.rb**

**package "httpd" do**

**action :create**

**end**

>>for package default action is "create"

**SERVICE :**

**vi default.rb**

**service "httpd" do**

**action :start or restart or stop or enable**

**end**

>>here by default service action is "nothing" , you must give action here,

>>if you want to perform multiple actions at a time ,

**service "httpd" do**

**action [:start, :enable]**

**end**

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**Example :**

**package "httpd" do**

**action :install**

**end**

**service "httpd" do**

**action [:enable, :start]**

**end**

**file "/var/path of the file/html/index.html" do ------------->now file will be created**

**action :create to add content in file**

**content "<html>**

**<body>**

**<h1>hello world</h1>**

**</body>**

**</html>"**

**end**

>>Now i have written one cookbook , now need to test

**$knife cookbook test cookbook-name**

-->first i need to boostrap server ,

the command is ,

**$knife boostrap 192.168.33.10 -x root(username) -P root123(password) -N node-2**

**>>now test cookbook an upload into chef-server**

**NOW I WILL CHECK CRONTAB IN SERVER-1 ,**

**HOW TO CHECK:**

**server-1$ vi /etc/cron.d/chef-client , if crontab is not there i will set,**

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

**:wq!**

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**>>HOW TO UPLOAD MULTIPLE COOKBOOKS :**

to upload multiple cookbooks the command is ,

**$knife cookbook upload cookbook-name1 cookbook-name2 cookbook-name3 cookbook-name4**

we can upload multiple cookbooks by using this command ,

>>Now i wan to add into client-server , here node-2 is a client-server

--> by using command we can add or we have to write one small script ,

**$knife node run-list add (nodename) "recipe[cookbook-name]"**

**Example : $knife node run\_list add Node-2 "recipe[package]"**

>>Now if you want to add multiple servers or nodes the command is ,

**$knife node run\_list add Node1 Node-2 "recipe[package]"**

Now package will be added to the run list in the client-servers(Node1 and Node-2)

to check ,

go to chef-server ---->nodes--->you can see here nodes ,

>>Now open nodes ip address in browser before that you have to hit **iptables -F** command in server-1 and server-2

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Now if you do any modification in packages(cookbook) then you have to upload into chef-server that is enough , no need to add in runlist and all

**How to open cookbook in chef-server ,**

**chef-server---->policy---->cookbook---->recipe---->default.rb**

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kill -9 9870