

# Chef notes

## **run cookbook locally**

```
chef-client --local-mode recipes/default.rb
```

## **generate cookbook**

```
chef generate cookbook cookbooks/apache
```

## **add a node in chef**

```
knife bootstrap 192.168.2.153 -N node-chef.myhypervisor.ca --ssh-user root
```

## **show node details**

```
knife node show -l node-chef.myhypervisor.ca
```

## **find all attribute names**

```
ohai
```

## **search all nodes**

```
knife search 'platform:centos' knife search 'platform:centos' -a ipaddress knife search role  
'role:apache' -a run_list knife search ":" -a recipes
```

## **add recipes to node**

```
knife node run_list add fqdn.server.com 'recipe[test]'
```

## **add another recipe from the cookbook**

```
knife node run_list add fqdn.server.com 'recipe[test::test2]'
```

## **change recipe order (before)**

```
knife node run_list add fqdn.server.com -b 'recipe[test::test2]'
```

## **(after)**

```
knife node run_list add fqdn.server.com -a 'recipe[test::test2]'
```

## **remove all**

```
knife node run_list remove fqdn.server.com 'recipe[test],recipe[test::test2]'
```

## **add**

```
knife node run_list add fqdn.server.com 'recipe[test],recipe[test::test2]'
```

## **upload changes**

```
knife cookbook upload recipe_name
```

## **create role**

```
knife role create web
```

## **edit role**

```
knife role edit web
```

## **add a role to a node**

```
knife node run_list set fqdn.domain.com "role[web]"
```

## **execute chef client from workstation**

```
knife ssh "role:web" "chef-client" -x root -P passwd
```

## **supermarket**

- list: knife cookbook site list
- search: knife cookbook site search mysql
- show: knife cookbook site show mysql
- download: knife cookbook site download mysql
- install: knife cookbook site install mysql

## **testing**

- docker\_plugin: chef exec gem install kitchen-docker
- edit yaml: .kitchen.yml
- setup env: kitchen converge
- check test env: kitchen list
- verify: kitchen verify

## **check syntax**

```
ruby -c default.rb
```

```
foodcritic default.rb
```

## **Install chef server (after RPM):**

```
chef-server-ctl reconfigure
```

```
chef-server-ctl user-create dave dave g livegrenier@gmail.com 'password' --filename daveuser-rsa
```

```
chef-server-ctl org-create DaveChef 'Daves Chef Server' --association dave
```

```
chef-server-ctl org-create davechef 'Daves Chef Server' --association dave -filename davechef-validator.pem
```

## **Install web:**

```
chef-server-ctl chef-manage
```

```
chef-server-ctl install chef-manage
```

```
chef-server-ctl reconfigure
```

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