

# 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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