

# 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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