Lesson 4 Demo 1: Create and Update a Cookbook

This section will guide you to:

* Create and update a cookbook

This lab has two sub-sections namely:

1. Creating a cookbook using Chef
2. Updating a cookbook

***NOTE:*** *The demos are incremental, please make sure you have completed the previous demos of lesson 3 before proceeding with this demo.*

**Step 1: Creating a cookbook using Chef**

* Generate a cookbook in the cookbooks folder of your chef-repo using the below commands:

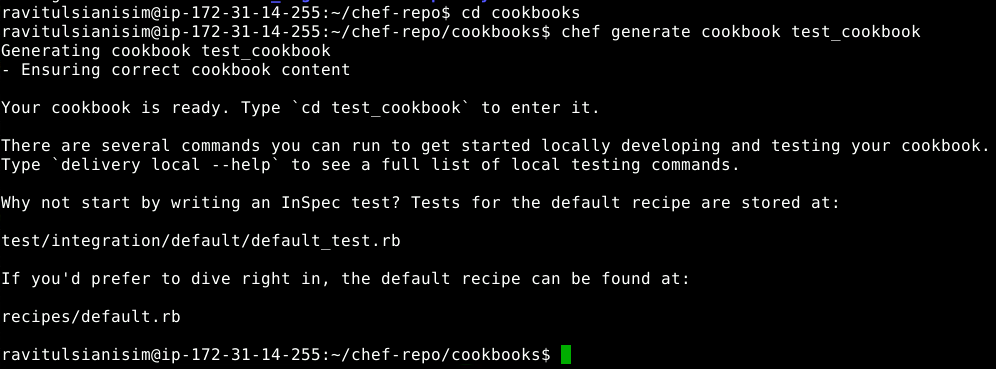
**cd ~/chef-repo/cookbooks**

**chef generate cookbook <your\_cookbookname>**

***Note:*** *Replace <your\_cookbookname> with a name for your cookbook*

For example: **chef generate cookbook test\_cookbook** where test\_cookbook is an arbitrary name.

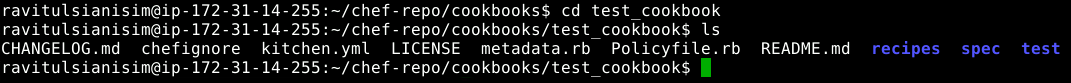
***Note****: Give any name to the cookbook but make sure to keep it constant throughout the demos.*



* Navigate to your cookbook directory. In our case we navigate to the test\_cookbook directory using the command:

**cd test\_cookbook**

* Type **ls** command to view the following components in the cookbook:



**Step 2: Updating a cookbook**

* Update the cookbooks/test\_cookbook/recipes/default.rb recipe in the generated cookbook
* Navigate to cd recipes, open default.rb file

**cd recipes**

**vim default.rb**

* Add the following code in the default.rb file:

**execute "update-upgrade" do**

**command "sudo apt-get update && sudo DEBIAN\_FRONTEND=noninteractive apt-get -y -o Dpkg::Options::='--force-confdef' -o Dpkg::Options::='--force-confold' upgrade"**

**action :run**

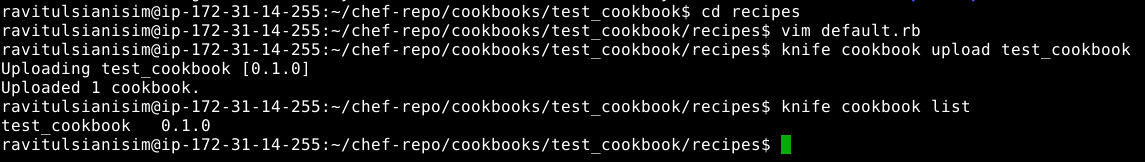
**end**

* Save and exit using **[esc][shift]** and type "**:wq**"
* To test the recipe, add the test\_cookbook to the Chef server:

**knife cookbook upload test\_cookbook**

* Verify that the recipe has been added to the Chef server:

**knife cookbook list**

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