**Assisted Practice: Creating and Executing ChefSpec**

This section will guide you to:

Create and Execute ChefSpec

This lab has eight sub-sections, namely:

4.7.1 Creating a gem file containing the ChefSpec gem

` 4.7.2 Installing gem

4.7.3 Creating a spec directory

4.7.4 Creating a Spec

4.7.5 Validating ChefSpec

4.7.6 Editing cookbooks default recipe

4.7.7 Creating a template file

4.7.8 Running rspec again

Note: Use the own cookbook name and use vim if subl doesn’t work throughout the demo

**Step 4.7.1 Creating a gem file containing the ChefSpec gem**

* Execute the below command to create a ChefSpec in the repo as shown below:

chef-repo $ gem install chefspec

chef-repo $ vi Gemfile   
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source 'https://rubygems.org'

gem 'chefspec'

**Step 4.7.2 Installing gem**

* Execute the below command to install gem:

chef-repo $ bundler install

**Step 4.7.3 Creating a spec directory**

* Spec directory can be created using the command below:

chef-repo $ mkdir cookbooks/testcookbook/spec

**Step 4.7.4 Creating a Spec**

* Run the below code to create a Spec test: The test, shown as follows, will verify that our recipe will create a new file, /tmp/myfile.txt:

require ‘chefspec’

describe ‘mycookbook::default’ do

let(:chef\_run) {

ChefSpec::Runner.new.converge(described\_recipe)

}

it ‘creates a file’ do

expect(chef\_run).to create\_file(‘/tmp/myfile.txt’)

end

end

**Step 4.7.5 Validating ChefSpec**

* Run the below code to validate the created ChefSpec:

chef-repo $ rspec cookbooks/<Cookbook Name>/spec/default\_spec.rb F

**Step 4.7.6 Editing Cookbook’s default recipe**

* Run the below code to edit cookbook’s recipe:

chef-repo $ subl cookbooks/<Cookbook Name>/recipes/default.rb

template '/tmp/myfile.txt' do

variables Welcome: 'Hello!'

end

**Step 4.7.7 Creating a template file**

* Create a template with the help of below command:

chef-repo $ subl cookbooks/< Cookbook Name>/recipes/default.rb

<%= @greeting %> <%= node['platform'] %>!

**Step 4.7.8 Running rspec again**

* Run the rspec command to validate the tests.

chef-repo $ rspec cookbooks/<CookbookName>/spec/default\_spec.rb

<Do provide the own cookbook name>