**Experiment 2**

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Chef solo?

Chef-Solo is an open source tool that runs locally and allows to provision guest machines using Chef cookbooks without the complication of any Chef client and server configuration. It helps to execute cookbooks on a self-created server.

**2.1 Configure a Chef node in AWS using Chef Solo**

**1. Launch an Ubuntu Instance in AWS account and access through putty**

2. **Install Chef dk**

**wget**  [https://packages.chef.io/files/stable/chefdk/3.2.30/ubuntu/18.04/chefdk\_3.2.30- 1\_amd64.deb](https://packages.chef.io/files/stable/chefdk/3.2.30/ubuntu/18.04/chefdk_3.2.30-%201_amd64.deb)

**3. Use your distribution’s package manager to install ChefDK**

For ubuntu

sudo dpkg -i chefdk\_3.2.30-1\_amd64.deb

1. **Check the Chef version installed-**  chef - -version
   1. **Write Chef cookbooks and recipes**
2. **Create a directory -** sudo mkdir chef-repo
3. **Change the directory** - cd chef\_repo
4. **Generate a cookbook –** sudo chef generate cookbook cookbookname

**Example –** sudo chef generate cookbook Sample

1. **Change the directories -**cd Sample

cd recipes

ubuntu@ip-172-31-19-131:~/chef-repo/sample/recipes$

1. **Create a recipes**

Create a ruby file with file extension .rb – since we are recipe on ruby.

Sudo vim hello.rb

file 'HelloChef' do

content 'Hello Ruby'

end

Save the hello.rb

1. **Apply the changes**

sudo chef-apply hello.rb

Once we run this chef-apply command. We should have a 'HelloChef' file created with content 'Hello Ruby