

Scenario: Configure a chef-client Add node to the chef-server . Build a cookbook in chef to modify the motd of the node.

Steps:

1. Identify a workstation or create a new linux server (Ubuntu) instance using amazon EC2
2. Identify a node or create a new linux server (Ubuntu) instance using amazon EC2
3. Download the chef starter kit and upload to workstation using winscp
4. Login into workstation and download ChefDK
 - a. `curl -L https://www.opscode.com/chef/install.sh | bash`
5. Login into node and enable root user by performing following steps
 - a. Login into putty with user ubuntu
 - b. Type `sudo -i` for root shell
 - c. `cd /etc/ssh`
 - d. `vi sshd_config`
 - e. Ensure `PermitRootLogin` is not commented
6. Create a chef-client on the node by using following command

```
knife bootstrap x.x.x.x
--ssh-user ubuntu
--sudo
--identity-file ~/.chef/mykey.pem
-N <public DNS>
```

7. Navigate into chef-repo and create cookbook for motd by typing
 - a. `knife cookbook create motd`
 - b. Navigate to `cookbooks/motd/recipes` directory
 - c. Edit `default.rb` by using `vi` or `nano` command
 - d. Add the following statements

```
template "/etc/motd" do
  source "motd.erb"
  mode "0644"
end
```
8. Now navigate to `templates/default` directory
9. Create file `motd.erb`
10. Type any text "Welcome to Chef World"
11. Upload cookbook by "`knife cookbook upload motd`"
12. Apply recipe to node by typing `knife node run_list add <NODE> "recipe[motd]"`