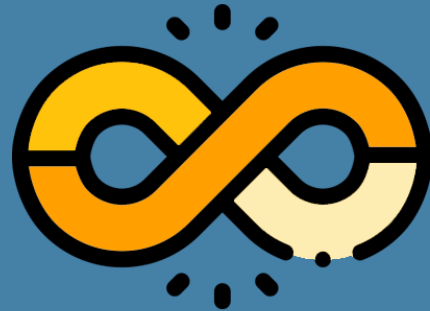


DevOps -
Infrastructure &
Configuration
Management



DevOps

Infrastructure & Configuration Management

April 2022

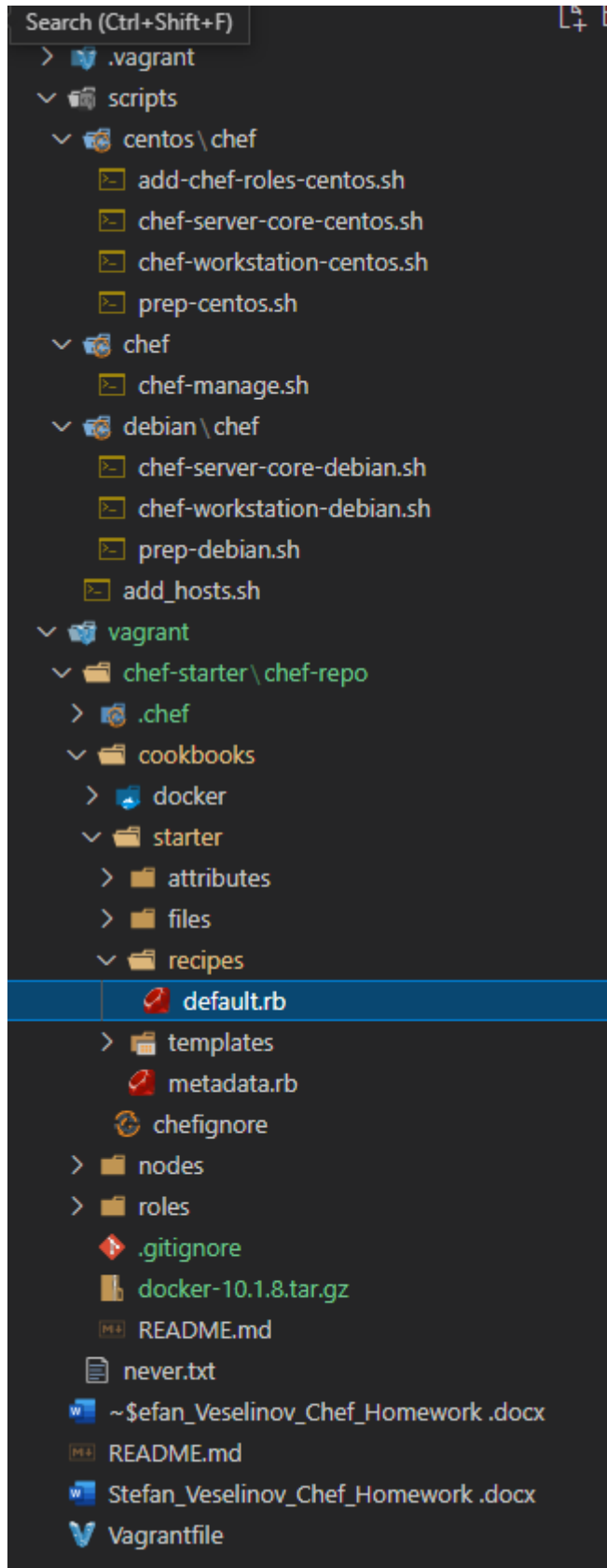
Configuration Management with Chef Home Work

Stefan Veselinov

Assignment

You must execute **either** of the following set of tasks or both:

1. With the help of **Chef** and **Vagrant** create **Docker** host and run a **nginx** container in it



Solution Structure

- scripts - vagrant provisioning scripts for initial setup and chef installation
- vagrant – shared folder, contains chef starter repository and solution cookbook

Solution Setup

- Enter solution directory (where Vagrant file is placed).
- Execute – vagrant up

- Vagrant is going to create 3-vm's
 - o Server – Chef server vm
 - o Client1 –docker client
 - o Client2 – Chef workstation
- Vagrant ssh docker
 - o Run the cookbook - sudo chef-client --local-mode --override-runlist starter

```

Compiling cookbooks...
Loading Chef InSpec profile files:
Loading Chef InSpec input files:
Loading Chef InSpec waiver files:
Converging 3 resources
Recipe: starter::default
  * docker_service[default] action create[2022-05-08T12:01:36+03:00] INFO: Processing docker_service[default] action create (starter::default line 6)

  * docker_installation_package[default] action create[2022-05-08T12:01:36+03:00] INFO: Processing docker_installation_package[default] action create (starter::default line 62)

  * yum_repository[Docker] action create[2022-05-08T12:01:36+03:00] INFO: Processing yum_repository[Docker] action create (starter::default line 108)

  * template[/etc/yum.repos.d/Docker.repo] action create[2022-05-08T12:01:36+03:00] INFO: Processing template[/etc/yum.repos.d/Docker.repo] action create (starter::default line 35)
[2022-05-08T12:01:36+03:00] INFO: template[/etc/yum.repos.d/Docker.repo] created file /etc/yum.repos.d/Docker.repo

  - create new file /etc/yum.repos.d/Docker.repo[2022-05-08T12:01:36+03:00] INFO: template[/etc/yum.repos.d/Docker.repo] updated file contents /etc/yum.repos.d/Docker.repo

  - update content in file /etc/yum.repos.d/Docker.repo from none to 725585
  --- /etc/yum.repos.d/Docker.repo      2022-05-08 12:01:36.046830295 +0300
  +++ /etc/yum.repos.d/.chef-Docker20220508-4244-oiwpwk.repo      2022-05-08 12:01:36.046830295 +0300
  @@ -1,10 +1,20 @@
  ## This file was generated by Chef Infra
  ## Do NOT modify this file by hand.
  +
  +[Docker]
  +name=Docker Stable repository
  +baseurl=https://download.docker.com/linux/centos/8/x86_64/stable

CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS              NAMES
a1326f821f1f      nginx:latest       "/docker-entrypoint..."  11 minutes ago     Up 11 minutes      0.0.0.0:80->80/tcp  my_nginx
vagrant@docker chef-repo]$

```

- Visit <http://192.168.99.102/>

