

Vagrant

1. Install Vagrant.

2. Install Vagrant-openstack-provider plugin

```
$ vagrant plugin install vagrant-openstack-provider
```

3. Install Vagrant-openstack-provider plugin

```
$ vagrant plugin install vagrant-docker-compose
```

```
$ vagrant plugin list
```

4. Create a Vagrantfile that looks like:

```
Vagrant.configure("2") do |config|
  config.vm.define "ubuntu_server" do | linux |
    linux.vm.box = "ubuntu/xenial64"
    linux.vm.hostname = "server@ubuntu.com"
    linux.vm.network :private_network, ip: "192.168.20.01"
    linux.vm.provider :virtualbox do |vb|
      vb.gui = false
      vb.memory = "2048"
    end
  end
end
```

5. Create and boot OpenStack instance

```
$ vagrant up
```

6. Halt OpenStack instance

```
$ vagrant halt
```

7. Delete OpenStack instance

```
$ vagrant destroy
```

8. Delete OpenStack instance

```
$ vagrant destroy
```

9. Delete OpenStack instance

```
$ vagrant destroy
```

10. Create a Vagrantfile that looks like:

```
require 'vagrant-openstack-provider'

Vagrant.configure('2') do |config|

  config.ssh.username = 'ubuntu'
  config.ssh.private_key_path = "E:/DevOps/TZ/id_rsa"

  config.vm.provider :openstack do |os, override|
    os.identity_api_version = ENV['OS_IDENTITY_API_VERSION']
    os.openstack_auth_url = ENV['OS_AUTH_URL']
    os.domain_name = ENV['OS_DOMAIN_NAME']
    os.username = ENV['OS_USERNAME']
    os.password = ENV['OS_PASSWORD']
    os.tenant_name = ENV['OS_TENANT_NAME']
    os.project_name = ENV['OS_PROJECT_NAME']
    os.keypair_name = ENV['OS_KEY_PAIR_NAME']
    os.region = ENV['OS_REGION_NAME']
    os.image = ENV['OS_IMAGE']
  end
  config.vm.define 'fa-server-1' do |s|
    s.vm.provision "docker" do |docker|
      docker.pull_images "sonarqube:5.6.6-alpine"
      docker.pull_images "gocd/gocd-agent-alpine-3.5:v17.3.0"
      docker.pull_images "gocd/gocd-server:v17.3.0"
    end
    s.vm.provision "docker_compose"
    s.vm.provider :openstack do |os, override|
      os.server_name = 'fa-gocd-vm-1'
      os.flavor = 'f2.desktop.medium'
      override.vm.synced_folder '.', '/vagrant', disabled: true
    end
  end
end
```

11. Set required environment variables

```
@echo off
set OS_AUTH_URL=http://10.28.3.240:5000/v3
set OS_TENANT_NAME=<tenant_name>
set OS_USERNAME=<user_name>
set OS_PASSWORD=<password>
set OS_DOMAIN_NAME=fundacion-jala
set OS_PROJECT_NAME=<project_name>
set OS_FLAVOR=<flavor>
set OS_IMAGE=ubuntu-16.04-amd64-server_31082017
set OS_KEY_PAIR_NAME=<key_pair_name>
set OS_REGION_NAME=bootstack-jalasoft
set OS_IDENTITY_API_VERSION=3
```

12. Create and boot OpenStack instance

```
$ vagrant up
```

13. Halt OpenStack instance

```
$ vagrant halt
```

14. Delete OpenStack instance

```
$ vagrant destroy
```

15. Delete OpenStack instance

```
$ vagrant destroy
```

16. Delete OpenStack instance

```
$ vagrant destroy
```

CLOUD JALA (OPENSTACK)

URL <http://phuyu> (Acceso dentro de la red de jala)

Practica

- Agregar una nueva instancia en el mismo archivo Vagrantfile.
- Crear la nueva instancia
- Destruir la nueva instancia.

Tarea

- Crear un **Vagrantfile** para crear un VM con Oracle Java instalado.