**Vagrant**

1. Install Vagrant.
2. Install Vagrant-openstack-provider plugin

$ vagrant plugin install vagrant-openstack-provider

1. Install Vagrant-openstack-provider plugin

$ vagrant plugin install vagrant-docker-compose

$ vagrant plugin list

1. 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

1. Create and boot OpenStack instance

$ vagrant up

1. Halt OpenStack instance

$ vagrant halt

1. Delete OpenStack instance

$ vagrant destroy

1. Delete OpenStack instance

$ vagrant destroy

1. Delete OpenStack instance

$ vagrant destroy

1. 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

1. 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=<passoword>

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

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**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.