

Ejercicio: Prueba los comandos de Vagrant

El objetivo de este ejercicio es familiarizarte con los comandos básicos de Vagrant. Si estás interesado en ir más allá de este ejercicio, por favor consulta el tutorial aquí

1. En el repositorio que ha descargado, hay una carpeta "sample" que contiene un Vagrantfile. Repase el archivo para comprender la configuración. Puede jugar con él por ejemplo, puede cambiar la memoria.

```
# Ubuntu 64 bit
config.vm.box = "ubuntu/trusty64"

config.vm.provider :virtualbox do |vb|
  # This section can be used for modifying the VM properties
  # Create VM with 1 Gb RAM
  vb.customize ["modifyvm", :id, "--memory", "2048", "--cpus", "1"]

  # Change this only if you need desktop for Ubuntu - you will need more memory >= 3Gb
  vb.gui = false

end
end
```

2. Inicie la máquina virtual con el comando vagrant up.

```
PS C:\HyperLedger\HLF-Vagrant-Dev-Setup> vagrant up
Bringing machine 'default' up with 'virtualbox' provider...
==> default: Importing base box 'ubuntu/trusty64'...
==> default: Matching MAC address for NAT networking...
==> default: Checking if box 'ubuntu/trusty64' is up to date...
==> default: A newer version of the box 'ubuntu/trusty64' for provider 'virtualbox' is
==> default: available! You currently have version '20180806.0.0'. The latest is version
==> default: '20180814.0.0'. Run `vagrant box update` to update.
==> default: Setting the name of the VM: HLF-Vagrant-Dev-Setup_default_1535055341561_82591
==> default: Clearing any previously set forwarded ports...
==> default: Clearing any previously set network interfaces...
==> default: Preparing network interfaces based on configuration...
    default: Adapter 1: nat
==> default: Forwarding ports...
    default: 8080 (guest) => 8080 (host) (adapter 1)
```

3. Abra el administrador de virtual box y revise el estado de la máquina virtual: debería estar ejecutándose. También haga clic en el sistema y verifique si la memoria asignada es de 1 Gb.



4. Inicie sesión en la VM (Sugerencia: ssh). Explore & luego cierre la sesión.

```
PS C:\HyperLedger\HLF-Vagrant-Dev-Setup> vagrant ssh
Welcome to Ubuntu 14.04.5 LTS (GNU/Linux 3.13.0-153-generic x86_64)

 * Documentation:  https://help.ubuntu.com/

System information disabled due to load higher than 1.0

Get cloud support with Ubuntu Advantage Cloud Guest:
http://www.ubuntu.com/business/services/cloud

0 packages can be updated.
0 updates are security updates.

New release '16.04.5 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

vagrant@vagrant-ubuntu-trusty-64:~$
```

```
vagrant@vagrant-ubuntu-trusty-64:~$ logout
Connection to 127.0.0.1 closed.
```

5. Ahora detenga la VM.

```
PS C:\HyperLedger\HLF-Vagrant-Dev-Setup> vagrant suspend
==> default: Saving VM state and suspending execution...
```

6. Destruye la máquina virtual y luego en virtual Box confirma que se ha eliminado.

```
PS C:\HyperLedger\HLF-Vagrant-Dev-Setup> vagrant suspend
==> default: Saving VM state and suspending execution...
PS C:\HyperLedger\HLF-Vagrant-Dev-Setup> vagrant destroy
default: Are you sure you want to destroy the 'default' VM? [y/N]
==> default: Discarding saved state of VM...
==> default: Destroying VM and associated drives...
```

