

# vagrant mysql

## Vagrantfile

los ficheros necesarios se han servido desde un pequeño contenedor (por restricciones de licencia o firewall),

```
docker run -d -p 9090:80 -v $PWD:/http tiagoad/nginx-index
```

## con docker

(problema sin resolver, la VM arranca bien el mysql la primera vez, pero no las posteriores)

## Vagrantfile

```
IP = '192.168.1.20'
VERSION = '5.5'
NAME = "mysql-#{VERSION}"

Vagrant.configure("2") do |config|
  config.vm.box = "altrankas/mysql5"
  config.vm.hostname = NAME
  config.vm.define NAME
  config.vm.network "private_network", ip: "#{IP}"
  config.vm.network "forwarded_port", guest: 3306, host: 3306
  config.vm.synced_folder ".", "/vagrant"

  config.vm.provider :virtualbox do |v|
    v.gui = true
    v.linked_clone = true
    v.name = NAME
  end

  config.vm.provision "shell", path: "../common/setup-mysql.sh", args:
    "#{VERSION}"
  config.vm.provision "shell", path: "../common/setup-vagrant.sh"

  config.vm.provision "docker" do |d|
    d.run "mysql_#{VERSION}", image: "mysql:#{VERSION}",
      args: "-p 3306:3306 -v /data/#{VERSION}:/var/lib/mysql --env
    MYSQL_ROOT_PASSWORD=admin"
  end
end
```

## 5.5 standalone

el fichero **tar.gz** ya está descargado, pero está preparado para depender del nginx.

## Vagrantfile

```
Vagrant.configure("2") do |config|
  config.vm.box = "peru/ubuntu-18.04-desktop-amd64"
  config.vm.box_version = "20190401.01"
  config.vm.provision "file", source: "../common/addroot.sql", destination:
"/tmp/addroot.sql"
  config.vm.provision "file", source: "./mysql-5.5.62-linux-glibc2.12-
x86_64.tar.gz", destination: "/tmp/mysql-5.5.62-linux-glibc2.12-x86_64.tar.gz"
  config.vm.network "private_network", ip: "192.168.1.5"
  config.vm.network "forwarded_port", guest: 3306, host: 3306

  config.vm.provider :virtualbox do |v|
    v.name = "altrankas-mysql-5.5"
    v.linked_clone = true
    v.memory = 2048
    v.cpus = 2
  end

  config.vm.provision "shell", path: "install.sh"

#  config.vm.provision "shell", path: "../common/addInsecureKey.sh"

end
```

## install.sh

```
#!/bin/bash

#
https://dev.mysql.com/get/Downloads/MySQL-5.5/mysql-5.5.62-linux-glibc2.12-x86
_64.tar.gz
MYSQL_FOLDER="mysql-5.5.62-linux-glibc2.12-x86_64"
MYSQL_TGZ="${MYSQL_FOLDER}.tar.gz"
MYSQL_URL_DOWNLOAD="https://dev.mysql.com/get/Downloads/MySQL-5.5/${MYSQL_TGZ}"
"
MYSQL_HOME="/usr/local/mysql"

DEBIAN_FRONTEND=noninteractive

sudo apt-get -y update
sudo apt-get install -y wget libaio1 > /dev/null 2>&1
sudo debconf-set-selections <<< 'mysql-community-server mysql-community-
server/root-pass password admin'
sudo debconf-set-selections <<< 'mysql-community-server mysql-community-
server/re-root-pass password admin'

#sudo wget -O /tmp/${MYSQL_TGZ} ${MYSQL_URL_DOWNLOAD}
sudo tar zxf /tmp/${MYSQL_TGZ} -C /tmp/
sudo mv /tmp/${MYSQL_FOLDER} ${MYSQL_HOME}

sudo groupadd mysql
sudo useradd -r -g mysql -s /bin/false mysql
sudo chown -R mysql:mysql ${MYSQL_HOME}
cd ${MYSQL_HOME}
sudo ${MYSQL_HOME}/scripts/mysql_install_db --basedir=${MYSQL_HOME} --
user=mysql
```

```

sudo chown -R root ${MYSQL_HOME}
sudo chown -R mysql ${MYSQL_HOME}/data

sudo cp ${MYSQL_HOME}/support-files/my-medium.cnf /etc/my.cnf
sudo cp ${MYSQL_HOME}/support-files/mysql.server /etc/init.d/mysql.server
sudo mkdir /var/run/mysql
sudo chown -R mysql /var/run/mysql

cd ${MYSQL_HOME}
sudo ${MYSQL_HOME}/bin/mysqld_safe --user=mysql --basedir=${MYSQL_HOME} &

sleep 10
${MYSQL_HOME}/bin/mysqladmin -u root password 'admin'
sudo ${MYSQL_HOME}/bin/mysql -u root --password=admin mysql < /tmp/addroot.sql
sudo update-rc.d mysql.server defaults
#sudo systemctl restart mysql.service

sudo locale-gen es_ES
echo "setxkbmap -layout 'es,es' -model pc105" >> /home/vagrant/.bashrc
sudo echo "PATH=\"${PATH}:${MYSQL_HOME}/bin\"" >> /etc/environment

```

## 5.6 standalone

el Vagrantfile se readapta, pequeños cambios (el **name** y el fichero **tar**):

```

config.vm.provision "file", source: "./mysql-
server_5.6.43-1ubuntu14.04_amd64.deb-bundle.tar", destination: "/tmp/mysql-
server_5.6.43-1ubuntu14.04_amd64.deb-bundle.tar"

```

[install.sh](#)

```

#!/bin/bash

#
https://dev.mysql.com/get/Downloads/MySQL-5.6/mysql-server_5.6.43-1ubuntu14.04_
amd64.deb-bundle.tar
MYSQL_TGZ="mysql-server_5.6.43-1ubuntu14.04_amd64.deb-bundle.tar"
MYSQL_URL_DOWNLOAD="https://dev.mysql.com/get/Downloads/MySQL-5.6/${MYSQL_TGZ}"
"

DEBIAN_FRONTEND=noninteractive

sudo apt-get -y update
sudo apt-get install -y wget > /dev/null 2>&1
sudo debconf-set-selections <<< 'mysql-community-server mysql-community-
server/root-pass password admin'
sudo debconf-set-selections <<< 'mysql-community-server mysql-community-
server/re-root-pass password admin'

#sudo apt-get install -y mysql-server > /dev/null 2>&1
#sudo wget -O /tmp/${MYSQL_TGZ} ${MYSQL_URL_DOWNLOAD}
sudo mkdir /tmp/mysql
sudo tar xf /tmp/${MYSQL_TGZ} -C /tmp/mysql

```

```

sudo dpkg -i /tmp/mysql/*.deb
sudo apt-get install -fy
sudo rm -rf /tmp/mysql
sudo rm -f /tmp/${MYSQL_TGZ}

#sudo sed -i.bak "s|127.0.0.1|0.0.0.0|g" /etc/mysql/mysql.conf.d/mysqld.cnf
sudo mysql -u root --password=admin mysql < /tmp/addroot.sql
sudo systemctl restart mysql.service
sudo locale-gen es_ES
echo "setxkbmap -layout 'es,es' -model pc105" >> /home/vagrant/.bashrc

```

## 5.7 standalone

versión Vagrantfile más reducida

### Vagrantfile

```

Vagrant.configure("2") do |config|
  config.vm.box = "peru/ubuntu-18.04-desktop-amd64"
  config.vm.box_version = "20190401.01"
  config.vm.provision "file", source: "../common/addroot.sql", destination:
"/tmp/addroot.sql"

  config.vm.provider :virtualbox do |v|
    v.name = "altrankas-mysql-5.7"
    v.linked_clone = true
    v.memory = 2048
    v.cpus = 2
  end

  config.vm.provision "shell", path: "install.sh"

  config.vm.provision "shell", path: "../common/addInsecureKey.sh"
end

```

### install.sh

```

#!/bin/bash

DEBIAN_FRONTEND=noninteractive

sudo apt-get -y update
sudo debconf-set-selections <<< 'mysql-server mysql-server/root_password
password admin'
sudo debconf-set-selections <<< 'mysql-server mysql-server/root_password_again
password admin'

sudo apt-get install -y mysql-server > /dev/null 2>&1

sudo sed -i.bak "s|127.0.0.1|0.0.0.0|g" /etc/mysql/mysql.conf.d/mysqld.cnf
sudo mysql -u root --password=admin mysql < /tmp/addroot.sql

```

```
sudo systemctl restart mysql.service
sudo locale-gen es_ES
echo "setxkbmap -layout 'es,es' -model pc105" >> /home/vagrant/.bashrc
```

## ficheros comunes

### addroot.sql

```
CREATE USER 'root'@'%' IDENTIFIED BY 'admin';
GRANT ALL PRIVILEGES ON *.* TO 'root'@'%' WITH GRANT OPTION;
```

### addInsecureKey.sh

```
#!/bin/bash
su - vagrant
echo "ssh-rsa
AAAAB3NzaC1yc2EAAAABIwAAAQEA6NF8iallvQVp22WDkTkyrtvp9eWW6A8YVr+kz4TjGYe7gHzIw+
niNltGEFHxD8+v1I2YJ6oXevct1YeS0o9HZyN1Q9qgCgzUFtd0KLv6IedplqoPkcmF0aYet2PkEDo3
MlTBckFXPITAMzF8dJSIFo9D8Hfd0V0IAdx407PtixWKn5y2hMNG0zQPyUecp4pzC6kivAIhyfHilF
R61RGL+GPXQ2MWZWFYbAGjyiYJnAmCP3N0Td0jMZEkdKbUvxhMmBYSdETk1rRgm+R4L0zFUGaHqHDL
KLX+FIPKcF96hrucXzcWyLbIbEgE980HlnVYCzRdK8j1qm8tehUc9c9WhQ== vagrant insecure
public key
" >> .ssh/authorized_keys
```

From:  
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