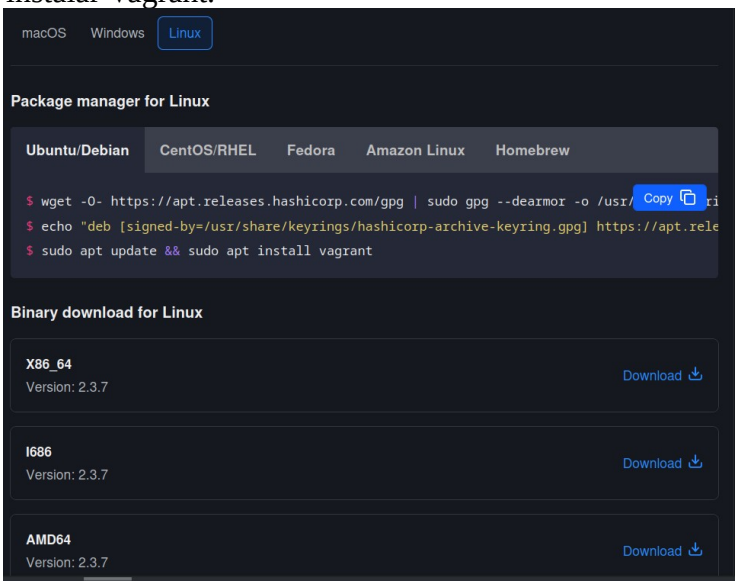
Ejercicio 4 Alejandro Priego Izquierdo

Unidad 1.

Actividad 4. Crea un entorno virtual para desarrollo en el lado del servidor

1. Descargar en instalar Vagrant.



- Descargamos la versión correspondiente a nuestro SO e instalamos.

2. Comprobar que la instalación se realizó correctamente lanzando el comando que muestra la versión instalada.

```
➜  Ejercicio 4 DWES ls
vagrant
➜  Ejercicio 4 DWES ./vagrant -v
Vagrant 2.3.7
```

3. Añadir el proyecto Laravel Homstead seleccionando Virtualbox

```
➜  Ejercicio 4 DWES ./vagrant box add laravel/homestead
==> box: Loading metadata for box 'laravel/homestead'
    box: URL: https://vagrantcloud.com/laravel/homestead
This box can work with multiple providers! The providers that it
can work with are listed below. Please review the list and choose
the provider you will be working with.

1) libvirt
2) parallels
3) virtualbox

Enter your choice: 3
==> box: Adding box 'laravel/homestead' (v13.0.0) for provider: virtualbox
    box: Downloading: https://vagrantcloud.com/laravel/boxes/homestead/versions/13.0.0/providers/virtualbox.box
    box: Calculating and comparing box checksum...
==> box: Successfully added box 'laravel/homestead' (v13.0.0) for 'virtualbox'!
```

4. Clonar proyecto Laravel Homstead en el directorio de trabajo e iniciar homstead.

```
➜  workdir pwd
/home/alx/Downloads/Ejercicio 4 DWES/workdir
➜  workdir git clone https://github.com/laravel/homestead
Cloning into 'homestead'...
remote: Enumerating objects: 6330, done.
remote: Counting objects: 100% (107/107), done.
remote: Compressing objects: 100% (47/47), done.
remote: Total 6330 (delta 68), reused 91 (delta 60), pack-reused 6223
Receiving objects: 100% (6330/6330), 1.55 MiB | 5.12 MiB/s, done.
Resolving deltas: 100% (3987/3987), done.
➜  workdir cd homestead
➜  homestead git:(main) ls
art  CHANGELOG.md   composer.lock          init.bat  LICENSE.txt       readme.md  scripts  tests
bin  composer.json  Homestead.yaml.example  init.sh   phpunit.xml.dist  resources  src      Vagrantfile
➜  homestead git:(main) ./init.sh
```

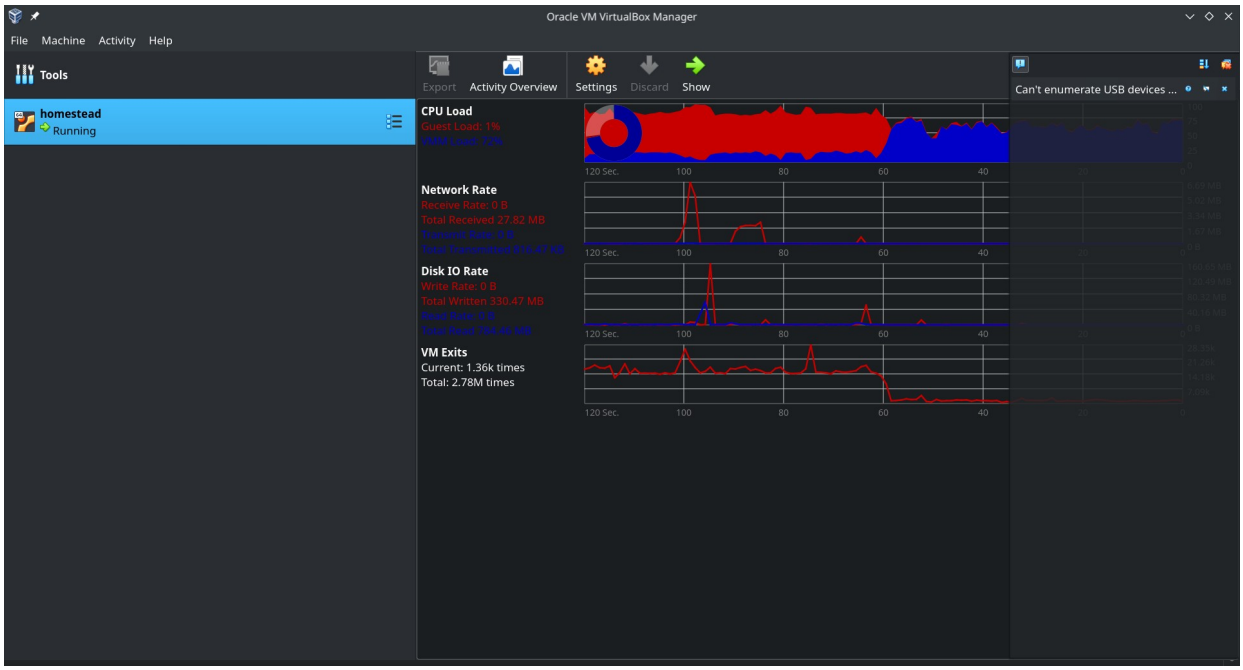
5. Fichero configuración Homstead.yml.

```
 GNU nano 7.2                                    Homestead.yaml
---
ip: "192.168.56.56"
memory: 2048
cpus: 2
provider: virtualbox

authorize: ~/.ssh/alxcorp.pub

keys:
    - ~/.ssh/alxcorp

folders:
    - map: ~/code
      to: /home/vagrant/code

sites:
    - map: homestead.test
      to: /home/vagrant/code/public

databases:
    - homestead

features:
    - mysql: true
    - mariadb: false
    - postgresql: false
    - ohmyzsh: true
    - webdriver: false

services:
    - enabled:
        - "mysql"
#    - disabled:
#        - "postgresql@11-main"

#ports:

                                [ Wrote 48 lines ]
^G Help        ^O Write Out   ^W Where Is    ^K Cut         ^T Execute     ^C Location  M-U Undo      M-A Set Mark   M-] To Bracket  M-Q Previous  ^B Back
^X Exit        ^R Read File   ^\ Replace     ^U Paste       ^J Justify     ^/ Go To Line M-E Redo      M-6 Copy       ^Q Where Was    M-W Next      ^F Forward
```

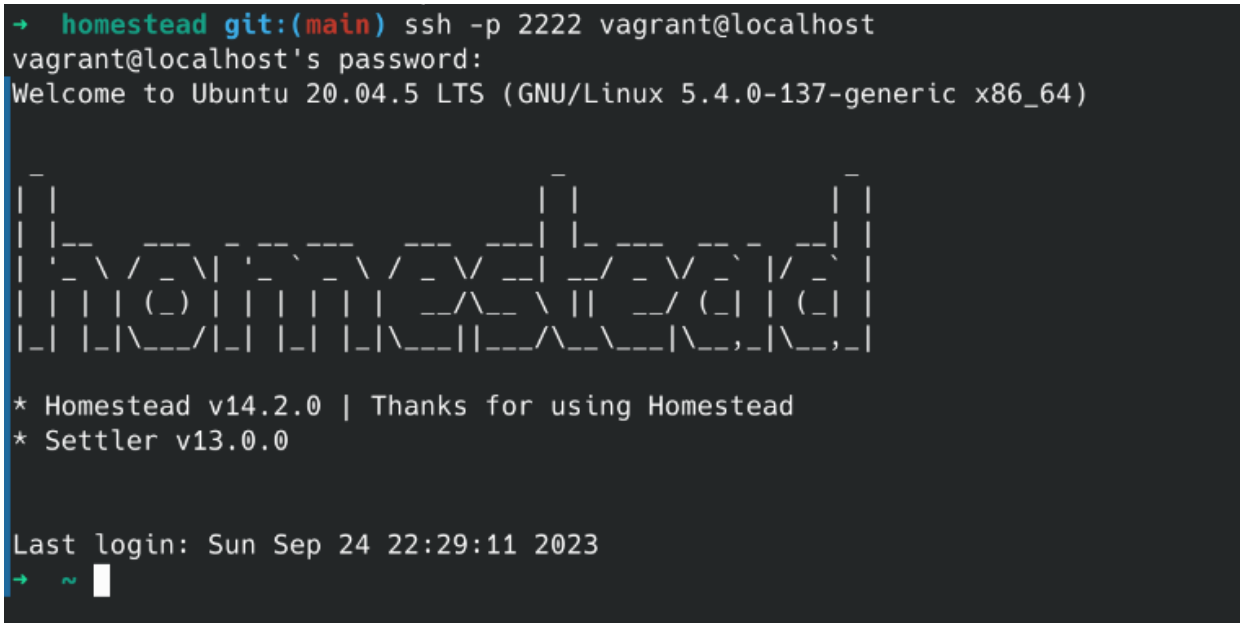
7. Lanzamos la máquina.

```
➜  homestead git:(main) ../../vagrant up
Bringing machine 'homestead' up with 'virtualbox' provider...
==> homestead: Importing base box 'laravel/homestead'...
==> homestead: Matching MAC address for NAT networking...
==> homestead: Checking if box 'laravel/homestead' version '13.0.0' is up to date...
==> homestead: Setting the name of the VM: homestead
==> homestead: Clearing any previously set network interfaces...
==> homestead: Preparing network interfaces based on configuration...
    homestead: Adapter 1: nat
    homestead: Adapter 2: hostonly
==> homestead: Forwarding ports...
    homestead: 80 (guest) => 8000 (host) (adapter 1)
    homestead: 443 (guest) => 44300 (host) (adapter 1)
    homestead: 22 (guest) => 2222 (host) (adapter 1)
==> homestead: Running 'pre-boot' VM customizations...
==> homestead: Booting VM...
==> homestead: Waiting for machine to boot. This may take a few minutes...
    homestead: SSH address: 127.0.0.1:2222
    homestead: SSH username: vagrant
    homestead: SSH auth method: private key
    homestead:
    homestead: Vagrant insecure key detected. Vagrant will automatically replace
    homestead: this with a newly generated keypair for better security.
    homestead:
    homestead: Inserting generated public key within guest...
    homestead: Removing insecure key from the guest if it's present...
    homestead: Key inserted! Disconnecting and reconnecting using new SSH key...
==> homestead: Machine booted and ready!
==> homestead: Checking for guest additions in VM...
    homestead: The guest additions on this VM do not match the installed version of
    homestead: VirtualBox! In most cases this is fine, but in rare cases it can
    homestead: prevent things such as shared folders from working properly. If you see
    homestead: shared folder errors, please make sure the guest additions within the
    homestead: virtual machine match the version of VirtualBox you have installed on
    homestead: your host and reload your VM.
    homestead:
    homestead: Guest Additions Version: 6.1.40
    homestead: VirtualBox Version: 7.0
==> homestead: Setting hostname...
==> homestead: Configuring and enabling network interfaces...
```

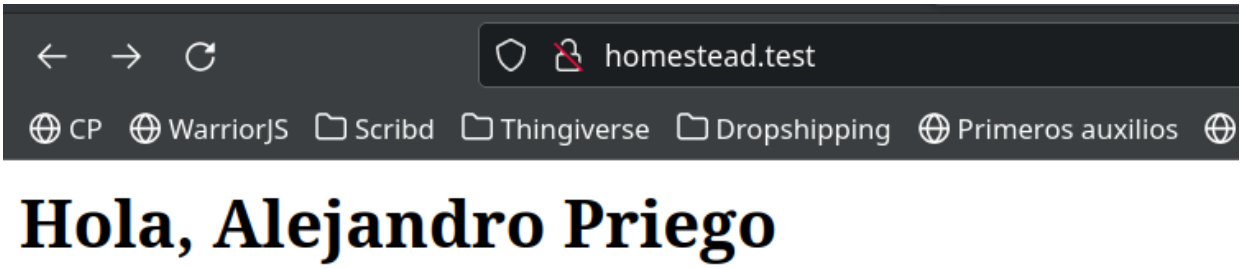
```
==> homestead: Running provisioner: shell...
    homestead: Running: /tmp/vagrant-shell20230925-4611-71143k.sh
==> homestead: Running provisioner: shell...
    homestead: Running: /tmp/vagrant-shell20230925-4611-kkadl7.sh
==> homestead: Running provisioner: Creating Certificate: homestead.test (shell)...
    homestead: Running: script: Creating Certificate: homestead.test
    homestead: Updating certificates in /etc/ssl/certs...
    homestead: rehash: warning: skipping duplicate certificate in ca.homestead.homestead.pem
    homestead: rehash: warning: skipping ca-certificates.crt,it does not contain exactly one certificate or CRL
    homestead: 1 added, 0 removed; done.
    homestead: Running hooks in /etc/ca-certificates/update.d...
    homestead: done.
==> homestead: Running provisioner: Creating Site: homestead.test (shell)...
    homestead: Running: script: Creating Site: homestead.test
==> homestead: Running provisioner: shell...
    homestead: Running: inline script
==> homestead: Running provisioner: shell...
    homestead: Running: /tmp/vagrant-shell20230925-4611-vdzdil.sh
==> homestead: Running provisioner: Checking for old Schedule (shell)...
    homestead: Running: script: Checking for old Schedule
==> homestead: Running provisioner: Clear Variables (shell)...
    homestead: Running: script: Clear Variables
==> homestead: Running provisioner: Restarting Cron (shell)...
    homestead: Running: script: Restarting Cron
==> homestead: Running provisioner: Restart Webserver (shell)...
    homestead: Running: script: Restart Webserver
==> homestead: Running provisioner: Creating MySQL / MariaDB Database: homestead (shell)...
    homestead: Running: script: Creating MySQL / MariaDB Database: homestead
    homestead: We didn't find MariaDB (/mariadb), skipping $DB creation
==> homestead: Running provisioner: Update Composer (shell)...
    homestead: Running: script: Update Composer
    homestead: Upgrading to version 2.6.3 (stable channel).
    homestead:
    homestead: Use composer self-update --rollback to return to version 2.5.1
==> homestead: Running provisioner: shell...
    homestead: Running: /tmp/vagrant-shell20230925-4611-g5ri4l.sh
==> homestead: Running provisioner: Update motd (shell)...
    homestead: Running: script: Update motd
==> homestead: Running provisioner: Run after.sh (shell)...
    homestead: Running: /tmp/vagrant-shell20230925-4611-nep45e.sh
→  homestead git:(main)
```



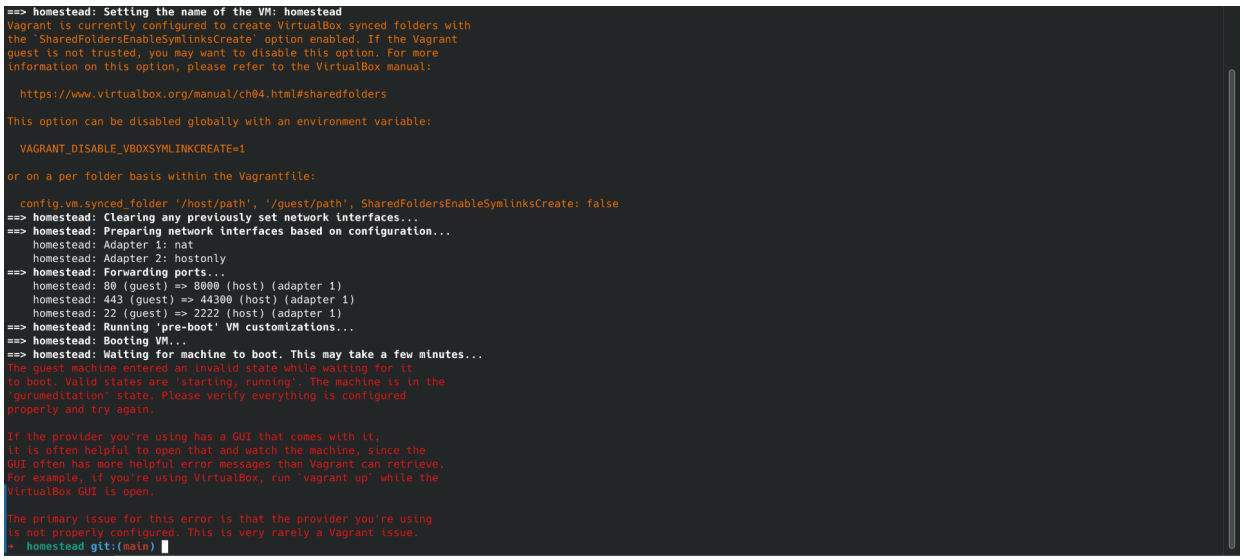
8. Nos conectamos por SSH.



9. Subimos un fichero para mostrar un Hola Mundo.



10. Errores encontrados y como solucionarlos.



En nuestor caso, este error ocurre al ejecutar Vitualbox con un usuario diferente al que usamos para ejecutar Vagrant. La solución es reiniciar el equipo (al estar la VM bloqueada), ejecutar Virtualbox y borrar la máquina manualmente. Luego podremos volver a crearla.