PROYECTO VAGRANT

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Índice

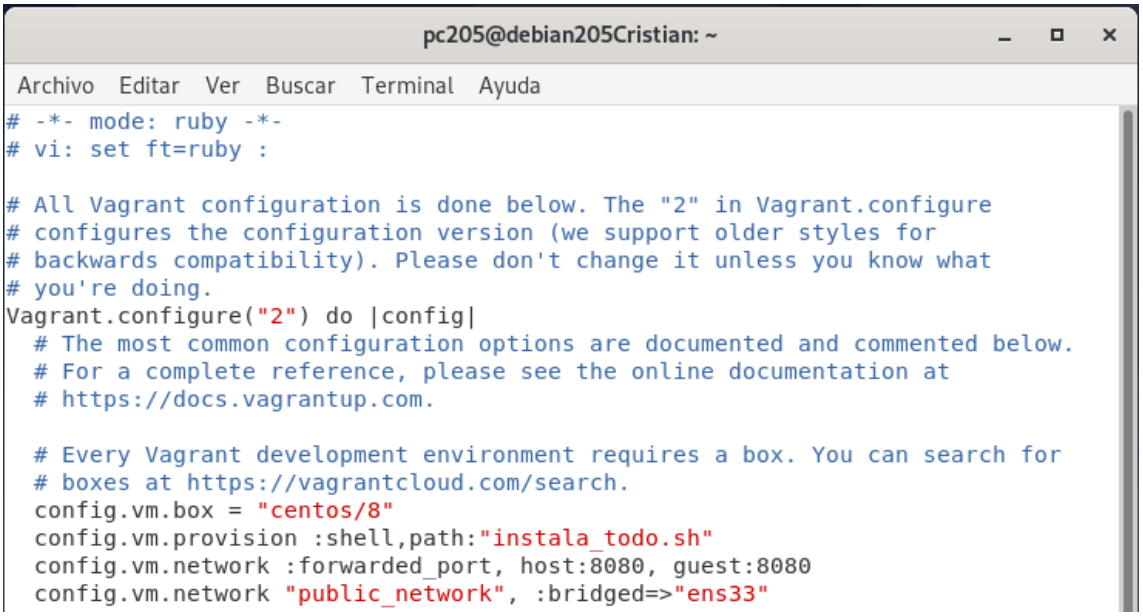
Procedimiento

Creación del fichero Vagrantfile

Primero de todo hay que crear un repositorio para la máquina que queremos levantar.

```
root@debian205Cristian:~# mkdir Opencms
root@debian205Cristian:~# cd Opencms
root@debian205Cristian:~/Opencms# vagrant init
A `Vagrantfile` has been placed in this directory. You are now
ready to `vagrant up` your first virtual environment! Please read
the comments in the Vagrantfile as well as documentation on
`vagrantup.com` for more information on using Vagrant.
```

Luego de esto crea un archivo Vagrantfile, el cual debemos editar:



En **config.vm.box** ponemos el nombre de la box que se va a descargar (en caso de que no la tengamos ya).

En **config.vm.provision**, le decimos que cuando la cree, abra la terminal y ejecute el archivo instala_todo.sh que crearemos luego.

En **config.vm.network**;

- :forwarded_port, le decimos que mapee los puertos del host 8080 con el 8080 de la máquina que se va a crear.
- En “public_network”, le decimos que haga un puente con la ens33 (la interfaz física).

En mi caso, Opencms necesita como mínimo 2GB de ram, para ello he editado la siguiente parte que se encuentra más abajo en este mismo documento.

```
config.vm.provider "virtualbox" do |vb|
 #   # Display the VirtualBox GUI when boo
 #   vb.gui = true
 #
 #   # Customize the amount of memory on
 vb.memory = "2048"
end
 #
```

Donde le decimos que quien nos va a dar la máquina virtual será virtualbox y nos ofrezca 2GB de ram.

Creación del archivo ejecutable instala_todo.sh

Guardamos, cerramos y procedemos a crear el archivo **instala_todo.sh** que ejecutará los comandos dentro de la máquina.

pc205@debian205Cristian: ~

Archivo Editar Ver Buscar Terminal Ayuda

```
#Reinicio servicio httpd
sudo systemctl restart httpd && sudo systemctl enable httpd

#Inicio servicio mysql
sudo systemctl start mysqld.service
sudo systemctl enable mysqld

#Creo la base de datos en mysql
sudo mysql -e "CREATE DATABASE opencms;"
sudo mysql -e "CREATE USER 'opencms'@'localhost' identified by 'opencms';"
sudo mysql -e "GRANT ALL PRIVILEGES ON opencms.* to 'opencms'@'localhost';"
sudo mysql -e "FLUSH PRIVILEGES;"

#Descargo opencms
sudo wget http://www.opencms.org/downloads/opencms/opencms-11.0.2.zip

#Lo descomprimo
sudo unzip opencms-11.0.2.zip

#Lo muevo a la carpeta de tomcat 9
sudo mv opencms.war /usr/share/tomcat/webapps/
sudo rm -r /usr/share/tomcat/webapps/ROOT
sudo mv /usr/share/tomcat/webapps/opencms.war /usr/share/tomcat/webapps/ROOT.war

#Reinicio Tomcat9
sudo systemctl restart tomcat                                    106,0-1
```

En mi caso va todo orientado a instalar lo necesario para la instalación de Opencms, el archivo sh lo adjunto a este proyecto.

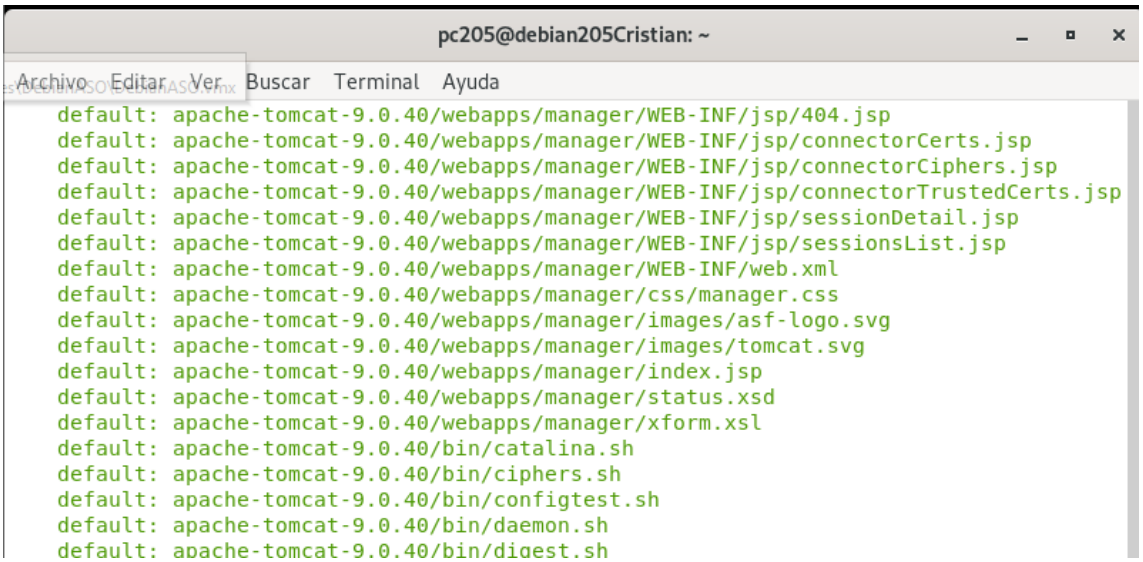
Tras editarlo todo, solo queda su ejecución.

Ejecución de la máquina virtual

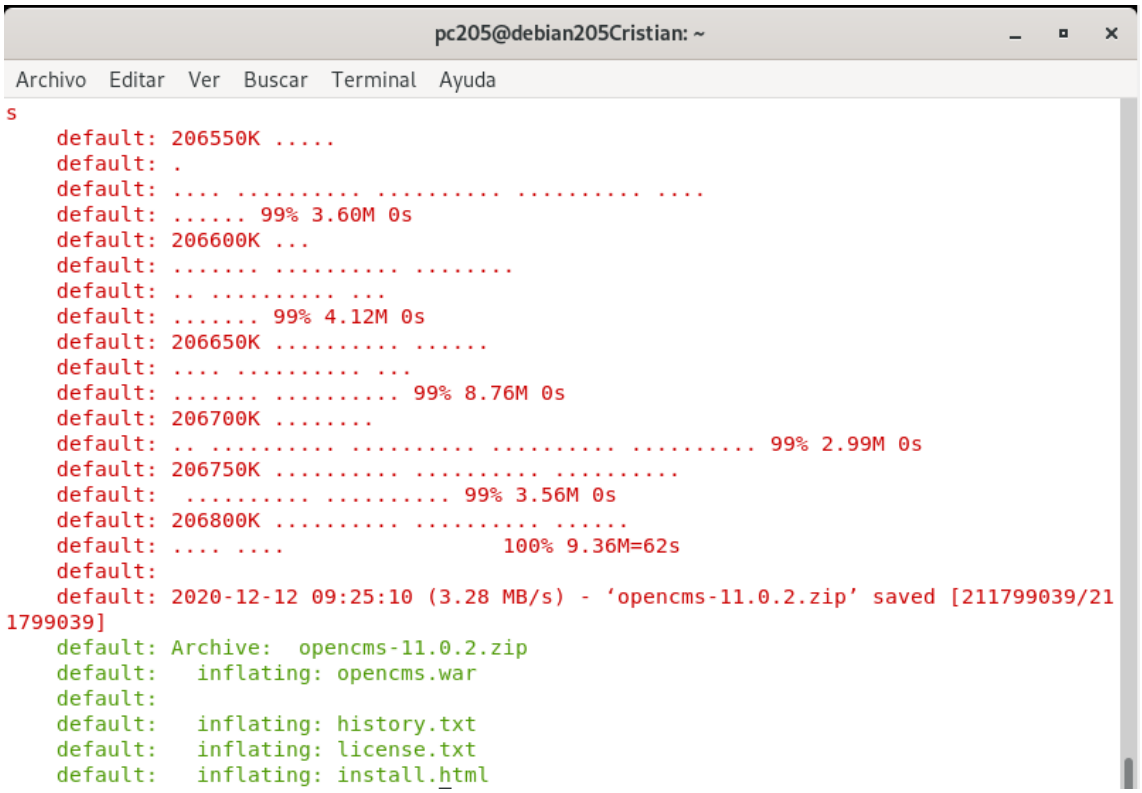
Para ello nos situamos dentro de la carpeta donde tenemos el archivo Vagrantfile y ejecutamos Vagrant up. Inmediatamente comenzará un proceso de creación de la máquina virtual.

```
root@debian205Cristian:~/Opencms# vagrant up
Bringing machine 'default' up with 'virtualbox' provider...
==> default: Importing base box 'centos/8'...
==> default: Matching MAC address for NAT networking...
==> default: Checking if box 'centos/8' version '1905.1' is up to date...
==> default: A newer version of the box 'centos/8' for provider 'virtualbox' is
==> default: available! You currently have version '1905.1'. The latest is version
==> default: '2011.0'. Run `vagrant box update` to update.
==> default: Setting the name of the VM: Opencms_default_1607764831775_55274
==> default: Clearing any previously set network interfaces...
==> default: Preparing network interfaces based on configuration...
    default: Adapter 1: nat
    default: Adapter 2: bridged
==> default: Forwarding ports...
    default: 8080 (guest) => 8080 (host) (adapter 1)
    default: 22 (guest) => 2222 (host) (adapter 1)
==> default: Running 'pre-boot' VM customizations...
==> default: Booting VM...
==> default: Waiting for machine to boot. This may take a few minutes...
    default: SSH address: 127.0.0.1:2222
    default: SSH username: vagrant
    default: SSH auth method: private key
```

Aquí podemos comprobar que está instalando dentro de la máquina el paquete de tomcat que indicamos en el archivo instala_todo.sh.



En mi archivo instala_todo.sh, lo último que ejecuto es la descarga de Opencms y el movimiento de sus archivos, y como podemos comprobar en la siguiente imagen, termina con eso.



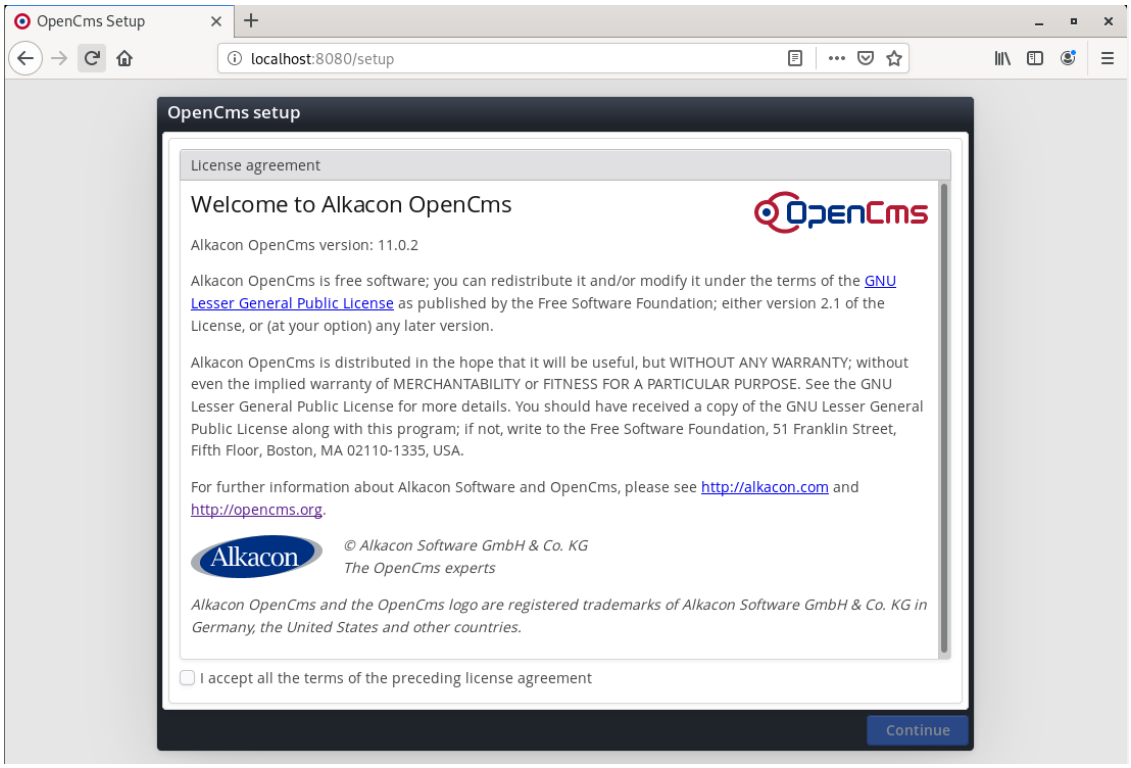
Ya estaría nuestra máquina preparada para instalar Opencms desde el navegador.

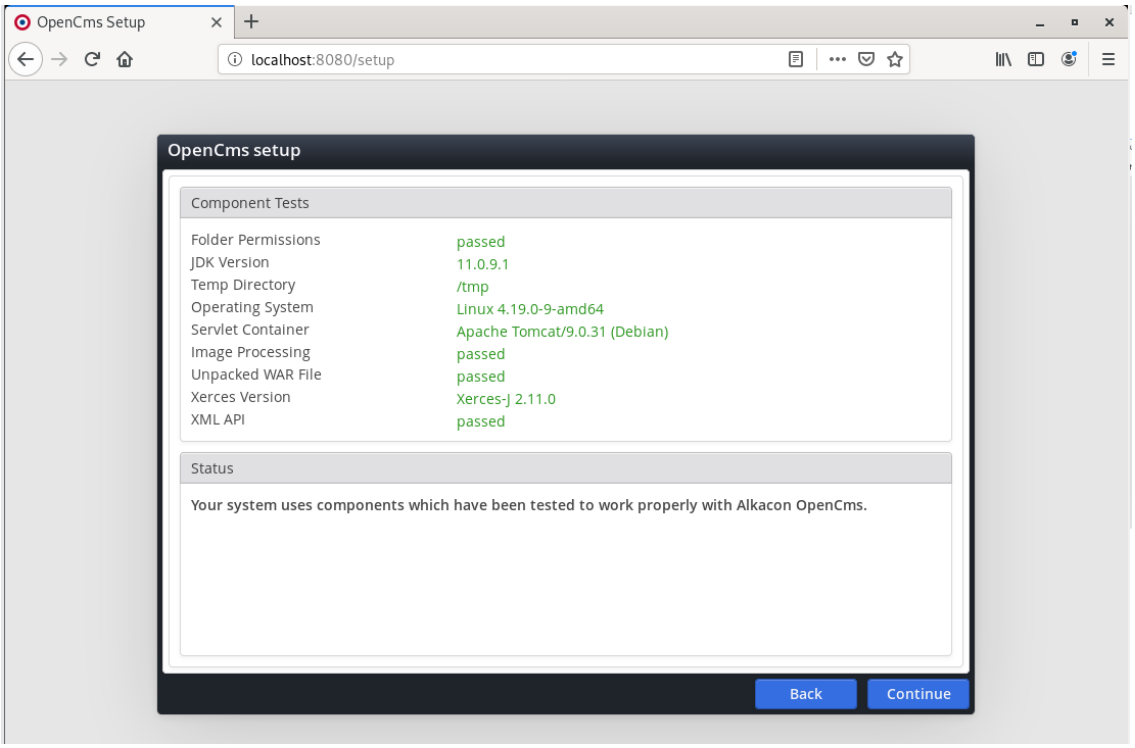
En caso de querer acceder a dicha máquina virtual para modificar algunos archivos, solo tendríamos que ejecutar el siguiente comando.

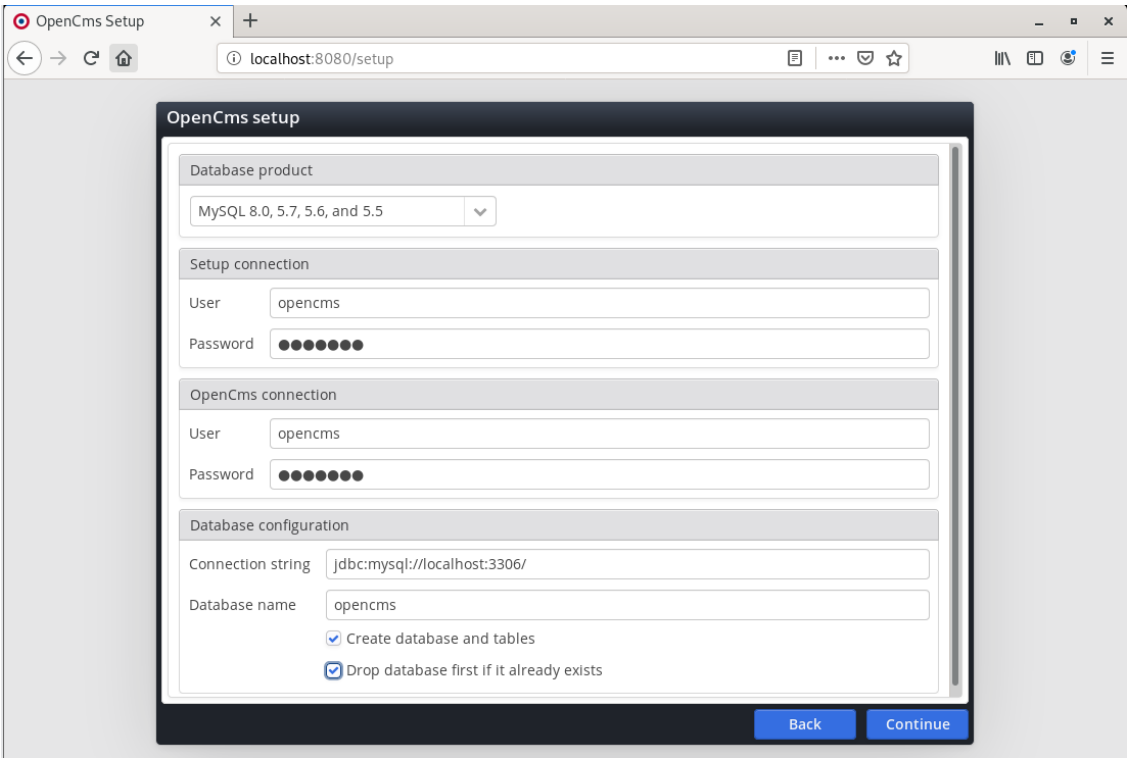
```
root@debian205Cristian:~/Opencms# vagrant ssh
[vagrant@localhost ~]$
```

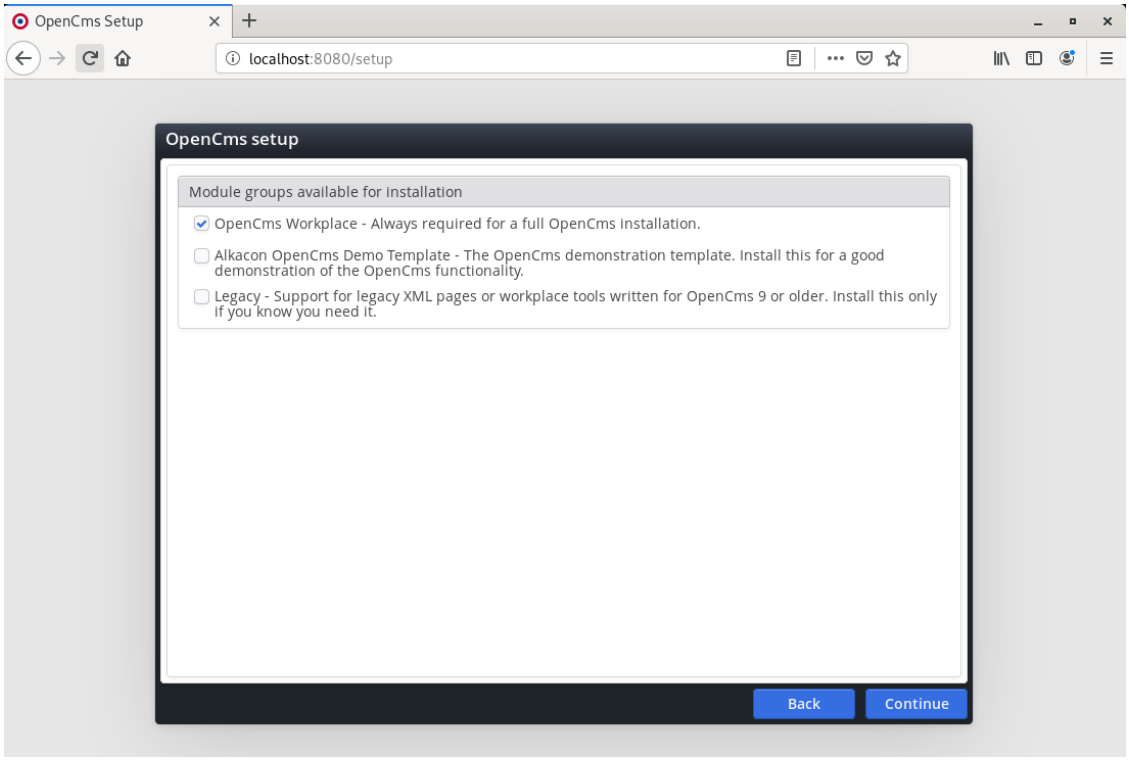
Y ya estaríamos dentro.

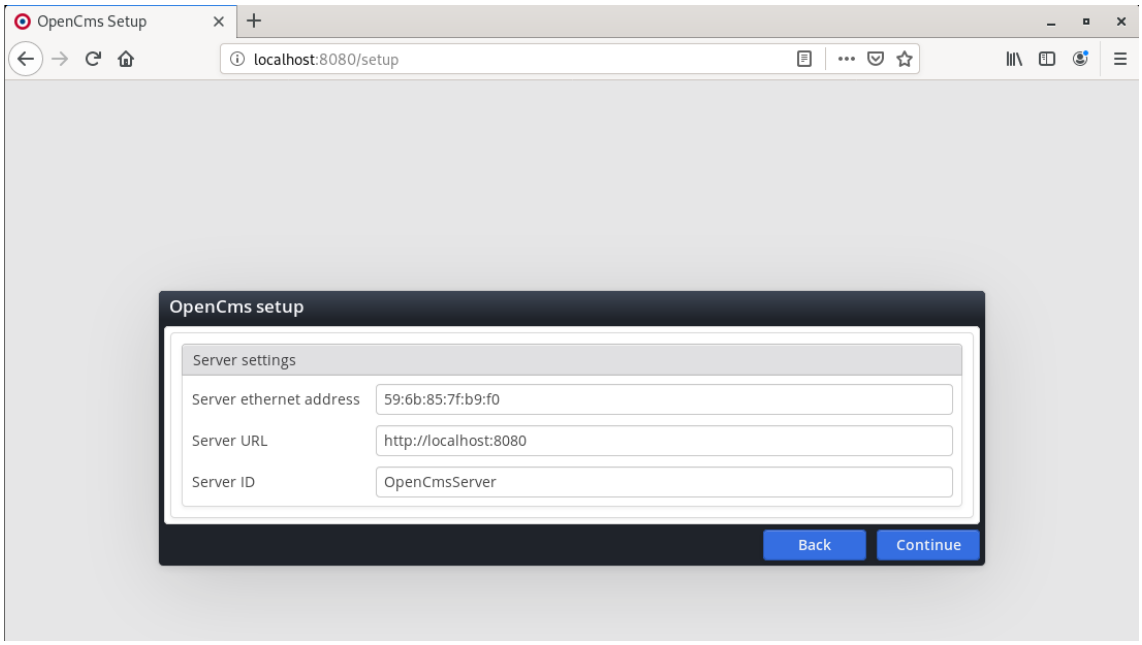
Instalación de Opencms por el Navegador

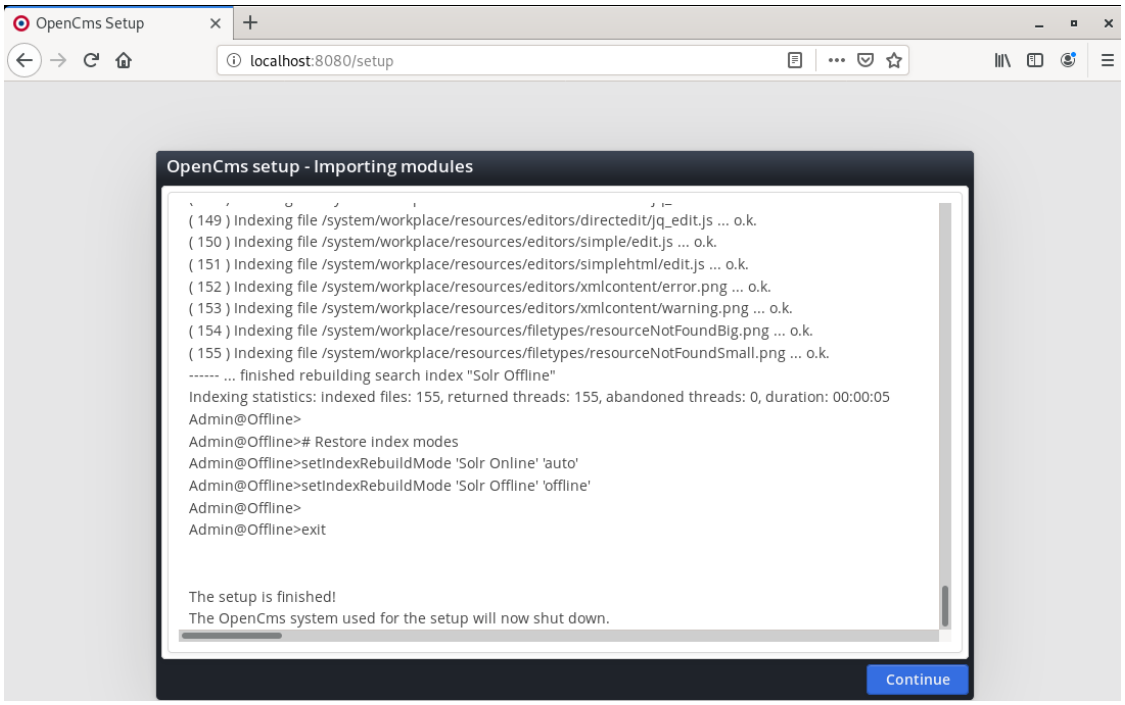


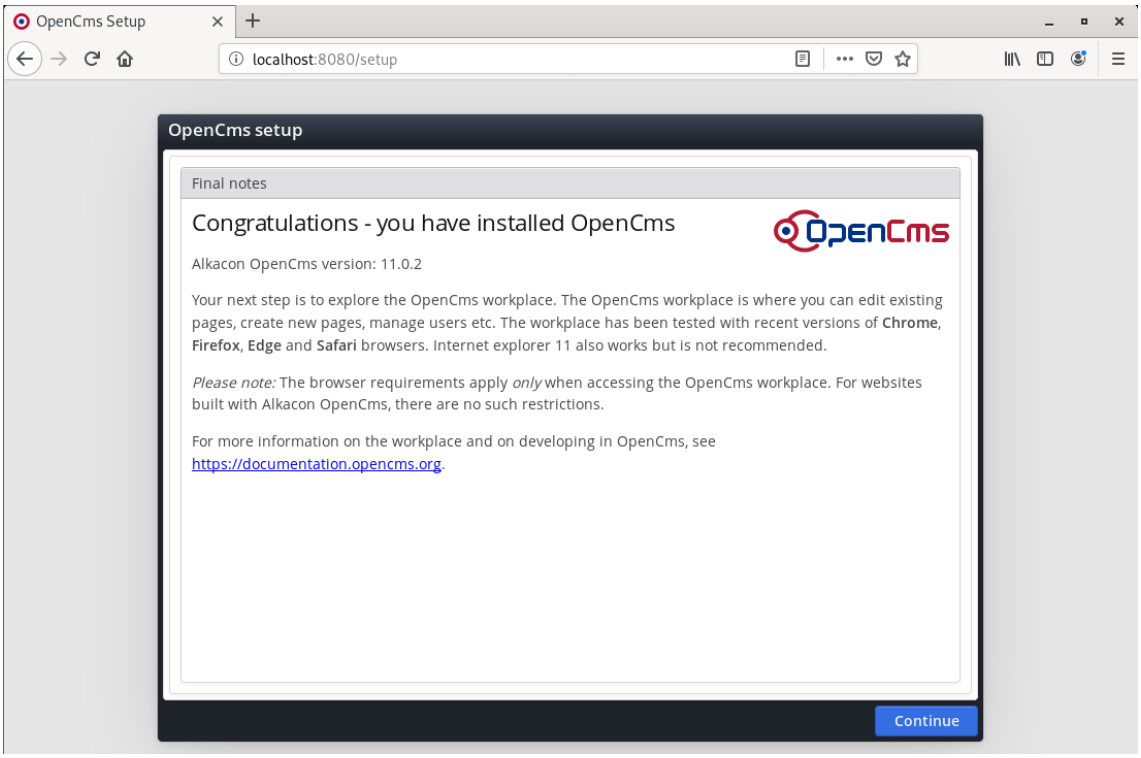


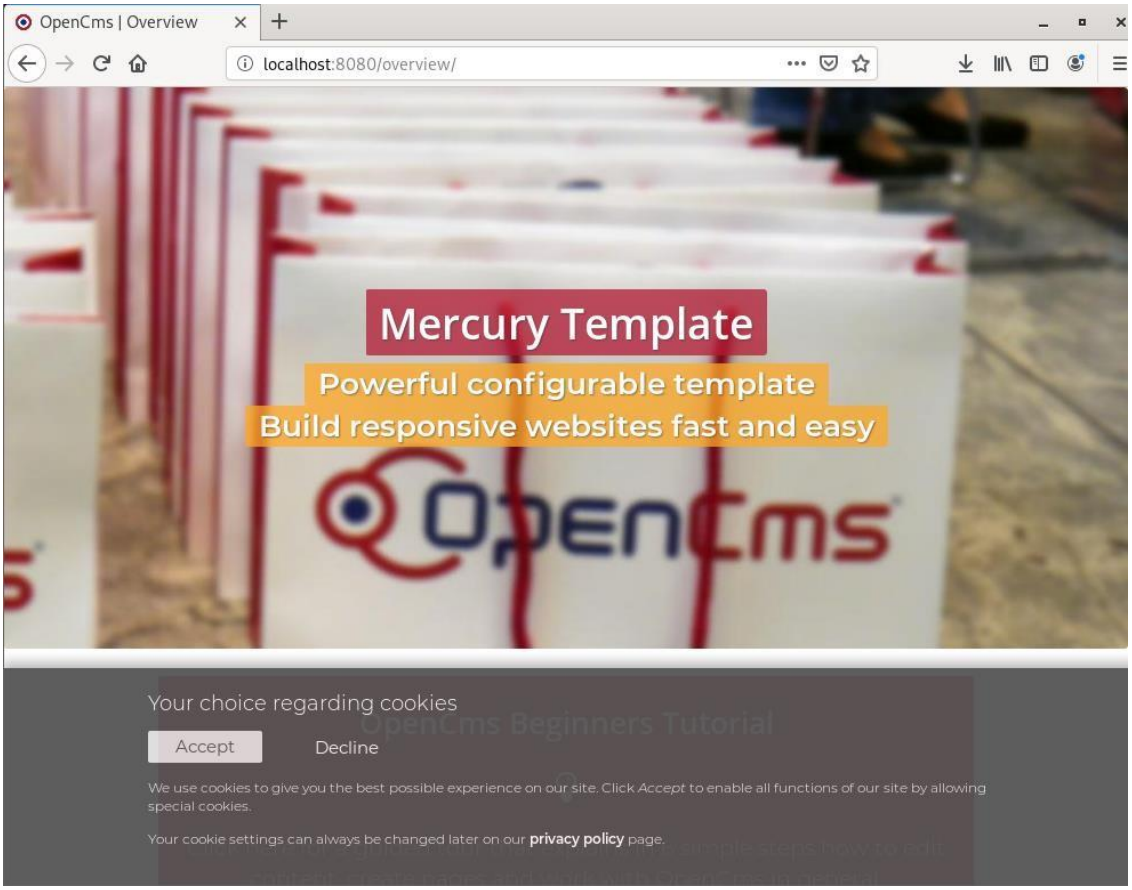

OpenCms Setup
localhost:8080/setup
OpenCms setup
Database product
MySQL 8.0, 5.7, 5.6, and 5.5
Setup connection
User
opencms
Password
OpenCms connection
User
opencms
Password
Database configuration
Connection string
jdbc:mysql://localhost:3306/
Database name
opencms
Create database and tables
Drop database first if it already exists
Back
Continue

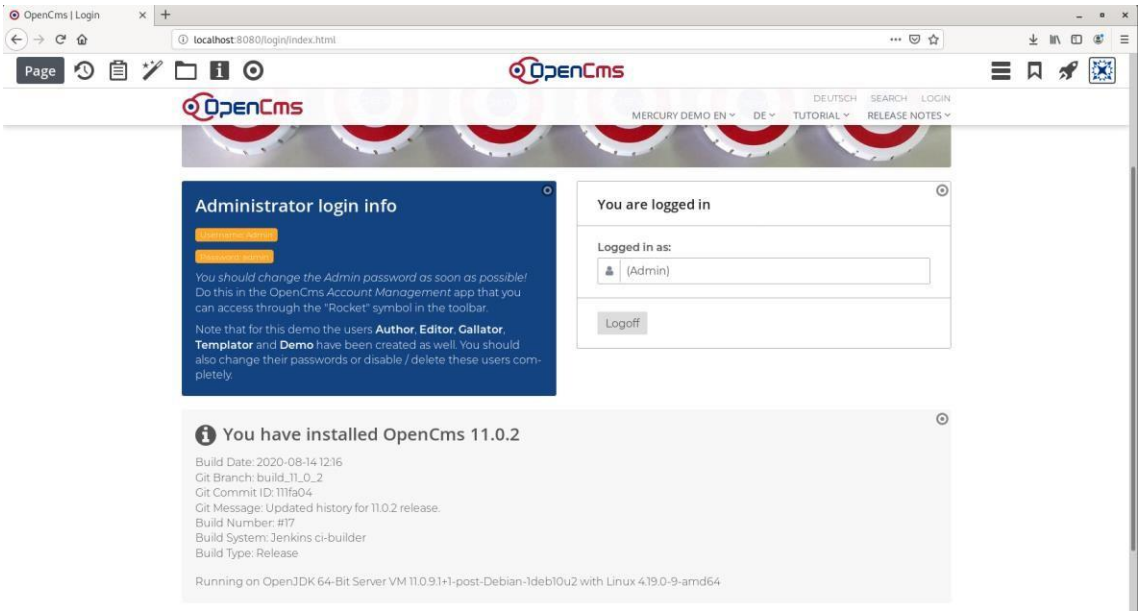

OpenCms Setup
localhost:8080/setup
OpenCms setup
Module groups available for installation
OpenCms Workplace - Always required for a full OpenCms installation.
Alkacon OpenCms Demo Template - The OpenCms demonstration template. Install this for a good demonstration of the OpenCms functionality.
Legacy - Support for legacy XML pages or workplace tools written for OpenCms 9 or older. Install this only if you know you need it.
Back
Continue


OpenCms Setup
localhost:8080/setup
OpenCms setup
Server settings
Server ethernet address
59:6b:85:7f:b9:f0
Server URL
http://localhost:8080
Server ID
OpenCmsServer
Back
Continue


OpenCms Setup
localhost:8080/setup
OpenCms setup - Importing modules
(149) Indexing file /system/workplace/resources/editors/directedit/jq_edit.js ... o.k.
(150) Indexing file /system/workplace/resources/editors/simple/edit.js ... o.k.
(151) Indexing file /system/workplace/resources/editors/simplehtml/edit.js ... o.k.
(152) Indexing file /system/workplace/resources/editors/xmlcontent/error.png ... o.k.
(153) Indexing file /system/workplace/resources/editors/xmlcontent/warning.png ... o.k.
(154) Indexing file /system/workplace/resources/filetypes/resourceNotFoundBig.png ... o.k.
(155) Indexing file /system/workplace/resources/filetypes/resourceNotFoundSmall.png ... o.k.
------ ... finished rebuilding search index "Solr Offline"
Indexing statistics: indexed files: 155, returned threads: 155, abandoned threads: 0, duration: 00:00:05
Admin@Offline>
Admin@Offline># Restore index modes
Admin@Offline>setIndexRebuildMode 'Solr Online' 'auto'
Admin@Offline>setIndexRebuildMode 'Solr Offline' 'offline'
Admin@Offline>
Admin@Offline>exit
The setup is finished!
The OpenCms system used for the setup will now shut down.
Continue


OpenCms Setup
localhost:8080/setup
OpenCms setup
Final notes
Congratulations - you have installed OpenCms
OpenCms
Alkacon OpenCms version: 11.0.2
Your next step is to explore the OpenCms workplace. The OpenCms workplace is where you can edit existing pages, create new pages, manage users etc. The workplace has been tested with recent versions of Chrome, Firefox, Edge and Safari browsers. Internet explorer 11 also works but is not recommended.
Please note: The browser requirements apply only when accessing the OpenCms workplace. For websites built with Alkacon OpenCms, there are no such restrictions.
For more information on the workplace and on developing in OpenCms, see https://documentation.opencms.org.
Continue


OpenCms | Overview
localhost:8080/overview/
Mercury Template
Powerful configurable template
Build responsive websites fast and easy
OpenCms
Your choice regarding cookies
Accept
Decline
We use cookies to give you the best possible experience on our site. Click Accept to enable all functions of our site by allowing special cookies.
Your cookie settings can always be changed later on our privacy policy page.


OpenCms | Login
localhost:8080/login/index.html
Page
OpenCms
DEUTSCH SEARCH LOGIN
MERCURY DEMO EN DE TUTORIAL RELEASE NOTES
Administrator login info
You should change the Admin password as soon as possible! Do this in the OpenCms Account Management app that you can access through the "Rocket" symbol in the toolbar.
Note that for this demo the users Author, Editor, Gallator, Templator and Demo have been created as well. You should also change their passwords or disable / delete these users completely.
You are logged in
Logged in as:
(Admin)
Logoff
You have installed OpenCms 11.0.2
Build Date: 2020-08-14 12:16
Git Branch: build_11_0_2
Git Commit ID: 111fa04
Git Message: Updated history for 11.0.2 release.
Build Number: #17
Build System: Jenkins ci-builder
Build Type: Release
Running on OpenJDK 64-Bit Server VM 11.0.9.1+1-post-Debian-1deb10u2 with Linux 4.19.0-9-amd64