

# Webmin en un contenedor local

Instalación de Webmin en un contenedor local

Creación del contenedor

```
alumnado@iespsur:~/Descargas$ docker run -it --name Webmin -p 10000:10000 ubuntu:latest /bin/bash
```

Instalamos las dependencias que nos van a hacer falta

```
root@2657a9014915:/# apt-get install -y wget perl tar gzip openssl libnet-ssleay-perl libauthen-pam-perl libio-pty-perl libapt-pkg-perl apt-show-versions python3 net-tools
```

Instalamos la versión 2.610. Extraemos el paquete e instalamos las dependencias necesarias.

```
root@2657a9014915:/# wget https://prdownloads.sourceforge.net/webadmin/webmin-2.610.tar.gz
--2025-12-04 10:56:20-- https://prdownloads.sourceforge.net/webadmin/webmin-2.610.tar.gz
Resolving prdownloads.sourceforge.net (prdownloads.sourceforge.net)... 104.18.12.149, 104.18.13.149, 2606:4700::6812:c95, ...
Connecting to prdownloads.sourceforge.net (prdownloads.sourceforge.net)|104.18.12.149|:443... connected.
HTTP request sent, awaiting response... 301 Moved Permanently
Location: https://downloads.sourceforge.net/project/webadmin/webmin/2.610/webmin-2.610.tar.gz [following]
--2025-12-04 10:56:21-- https://downloads.sourceforge.net/project/webadmin/webmin/2.610/webmin-2.610.tar.gz
Resolving downloads.sourceforge.net (downloads.sourceforge.net)... 104.18.12.149, 104.18.13.149, 2606:4700::6812:c95, ...
Connecting to downloads.sourceforge.net (downloads.sourceforge.net)|104.18.12.149|:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://deac-riga.dl.sourceforge.net/project/webadmin/webmin/2.610/webmin-2.610.tar.gz?viasf=1 [following]
--2025-12-04 10:56:21-- https://deac-riga.dl.sourceforge.net/project/webadmin/webmin/2.610/webmin-2.610.tar.gz?viasf=1
Resolving deac-riga.dl.sourceforge.net (deac-riga.dl.sourceforge.net)... 89.111.52.100
Connecting to deac-riga.dl.sourceforge.net (deac-riga.dl.sourceforge.net)|89.111.52.100|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 37901764 (36M) [application/x-gzip]
Saving to: 'webmin-2.610.tar.gz'

webmin-2.610.tar.gz      100%[=====] 36.15M  3.07MB/s  in 11s
2025-12-04 10:56:33 (3.27 MB/s) - 'webmin-2.610.tar.gz' saved [37901764/37901764]
```

```
root@2657a9014915:/# ls
bin          dev         lib         media      proc       sbin       sys        var
bin.usr-is-merged  etc       lib.usr-is-merged  mnt        root      sbin.usr-is-merged  tmp       webmin-2.610.tar.gz
boot        home       lib64      opt        run        srv        usr
root@2657a9014915:/# tar -xzf webmin-2.610.tar.gz
root@2657a9014915:/# ls
bin          dev         lib         media      proc       sbin       sys        var
bin.usr-is-merged  etc       lib.usr-is-merged  mnt        root      sbin.usr-is-merged  tmp       webmin-2.610
boot        home       lib64      opt        run        srv        usr       webmin-2.610.tar.gz
```

Iniciamos Webmin y lo configuramos.

```
root@2657a9014915:/# cd webmin-2.610
./setup.sh /usr/local/webmin
*****
Welcome to the Webmin setup script, version 2.610
*****
Webmin is a web-based interface that allows Unix-like operating
systems and common Unix services to be easily administered.

Installing Webmin from /webmin-2.610 to /usr/local/webmin

*****
Webmin uses separate directories for configuration files and log files.
Unless you want to run multiple versions of Webmin at the same time
you can just accept the defaults.

Config file directory [/etc/webmin]:
Log file directory [/var/webmin]:

*****
Webmin is written entirely in Perl. Please enter the full path to the
Perl 5 interpreter on your system.

Full path to perl (default /usr/bin/perl):

Testing Perl ..
.. done

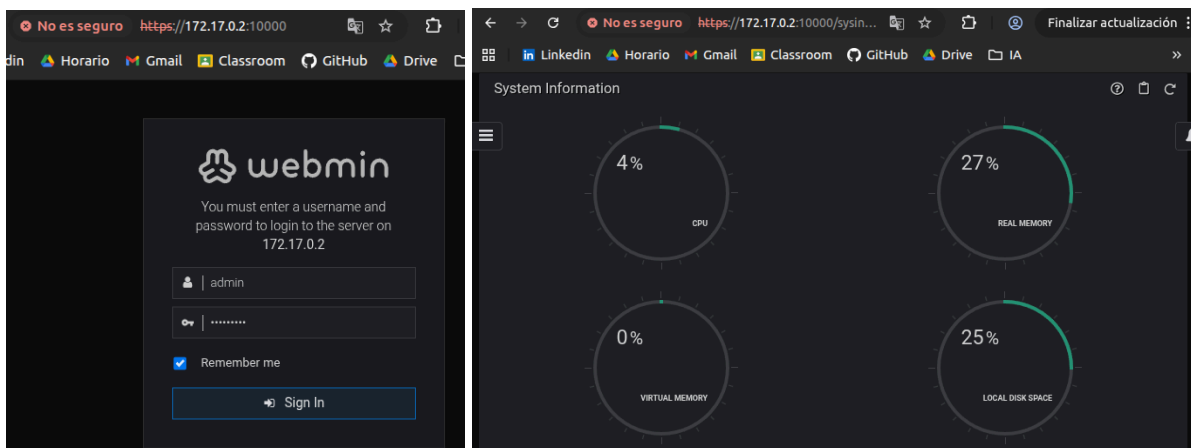
*****
Operating system name:   Ubuntu Linux
Operating system version: 24.04.3

*****
Webmin uses its own password protected web server to provide access
to the administration programs. The setup script needs to know :
- What port to run the web server on. There must not be another
  web server already using this port.
- The login name required to access the web server.
- The password required to access the web server.
- If the web server should use SSL (if your system supports it).
- Whether to start webmin at boot time.

Web server port (default 10000):
Login name (default admin):
Login password:
Password again:
Use SSL (y/n): y
Start Webmin at boot time (y/n): y
```

Lo he dejado todo por defecto y he utilizado la contraseña 'Hola2025.' El usuario también es el por defecto (admin).

Entramos en la ip, por el puerto indicado en el contenedor, y aparecerá el login.



# Subir a Docker Hub

Creamos la imagen e iniciamos sesión en Docker Hub

```
alumnado@iespsur:~/Descargas$ docker commit webmin ubuntu-webmin:latest
sha256:622472e3ab1e9ac2d639d95034bb2aa3f6b276f96bda7fa28f8acf19d8883b6b
alumnado@iespsur:~/Descargas$ docker login -u marcosgarciarodriguez

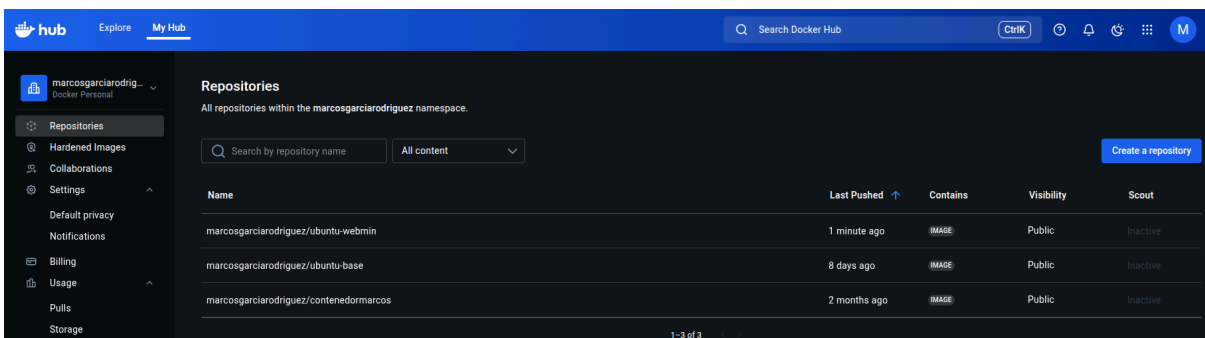
Info → A Personal Access Token (PAT) can be used instead.
To create a PAT, visit https://app.docker.com/settings

Password:
Login Succeeded
```

Subimos la imagen copia a docker hub

```
alumnado@iespsur:~/Descargas$ docker tag ubuntu-webmin:latest marcosgarciarodriguez/ubuntu-webmin:latest
alumnado@iespsur:~/Descargas$ docker push marcosgarciarodriguez/ubuntu-webmin:latest
The push refers to repository [docker.io/marcosgarciarodriguez/ubuntu-webmin]
b8aa0de434c3: Pushed
f9f52dc133e2: Layer already exists
latest: digest: sha256:be3048feba3e840cfffca71db8a53d9e600b0d629a32166f39761a74fa7cfd36 size: 742
```

Y comprobamos que se ha subido correctamente.



# Descargar contenedores en la instancia

Descargamos las imágenes desde docker hub.

```
ubuntu@ip-172-31-66-106:~$ docker pull marcosgarciarodriguez/ubuntu-base:latest
latest: Pulling from marcosgarciarodriguez/ubuntu-base
Digest: sha256:128116143cc539926d8386be82bea422d6937b4f926c1fc09a28c61d5437a2cb
Status: Image is up to date for marcosgarciarodriguez/ubuntu-base:latest
docker.io/marcosgarciarodriguez/ubuntu-base:latest
ubuntu@ip-172-31-66-106:~$ docker pull marcosgarciarodriguez/ubuntu-webmin:latest
latest: Pulling from marcosgarciarodriguez/ubuntu-webmin
a914a6b256d0: Pull complete
Digest: sha256:be3048feba3e840cffcfa71db8a53d9e600b0d629a32166f39761a74fa7cfd36
Status: Downloaded newer image for marcosgarciarodriguez/ubuntu-webmin:latest
docker.io/marcosgarciarodriguez/ubuntu-webmin:latest
```

Vemos que se han descargado ambas imágenes correctamente

```
ubuntu@ip-172-31-66-106:~$ docker images
```

| IMAGE                                      | ID           | DISK USAGE | CONTENT SIZE | EXTRA |
|--|--------------|------------|--------------|-------|
| marcosgarciarodriguez/ubuntu-base:latest   | 128116143cc5 | 888MB      | 187MB        |       |
| marcosgarciarodriguez/ubuntu-webmin:latest | be3048feba3e | 894MB      | 222MB        |       |

# Crear contenedor con Magento

Creamos este contenedor, que tendrá Magento, partiendo de la imagen Base, ya que este utiliza los servicios de PHP, MySQL y Apache.

```
ubuntu@ip-172-31-66-106:~$ docker run -it --name magento -p 8080:80 marcosgarciarodriguez/ubuntu-base:latest /bin/bash
root@3b3096755dbc:/# service apache2 start
* Starting Apache httpd web server apache2
AH00558: apache2: Could not reliably determine the
server's fully qualified domain name, using 172.17.0.2. Set the 'ServerName' directive globally to suppress this message
*
root@3b3096755dbc:/# service mariadb start
* Starting MariaDB database server mariadb
[ OK ]
```

Instalamos las dependencias necesarias

```
root@3b3096755dbc:/# apt-get install -y php5-mysql php5-mcrypt php5-gd php5-curl php5-mbstring php5-soap
Reading package lists... Done
Building dependency tree... Done
```

```
root@a05fe40cbeda:/# apt-get install software-properties-common
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
```

```
root@a05fe40cbeda:/# add-apt-repository ppa:ondrej/php
```

```
root@a05fe40cbeda:/# apt-get install php5.6 php5.6-cli php5.6-common php5.6-mysql php5.6-xml php5.6-mbstring
Reading package lists... Done
```

```
root@a05fe40cbeda:/# php -v
PHP 5.6.40-86+ubuntu24.04.1+deb.sury.org+1 (cli)
Copyright (c) 1997-2016 The PHP Group
Zend Engine v2.6.0, Copyright (c) 1998-2016 Zend Technologies
with Zend OPcache v7.0.6-dev, Copyright (c) 1999-2016, by Zend Technologies
```



Movemos los archivos y aplicamos los permisos necesarios.

```
root@a05fe40cbeda:/var/www# ls
html  magento  magento-1.9.3.8.zip
root@a05fe40cbeda:/var/www# rm magento-1.9.3.8.zip
root@a05fe40cbeda:/var/www# rm html/
rm: cannot remove 'html/': Is a directory
root@a05fe40cbeda:/var/www# rm -rf html/
root@a05fe40cbeda:/var/www# mv magento/ html
root@a05fe40cbeda:/var/www# ls
html
root@a05fe40cbeda:/var/www# cd html/
root@a05fe40cbeda:/var/www/html# ls
LICENSE.html      app          errors       index.php.sample  media
LICENSE.txt       cron.php    favicon.ico  install.php        php.ini.sample
LICENSE_AFL.txt   cron.sh     get.php      js                 shell
RELEASE_NOTES.txt dev         includes     lib                 skin
api.php           downloader  index.php    mage                var
```

```
root@a05fe40cbeda:/var/www/html# chown -R www-data:www-data /var/www/html
chmod -R 755 /var/www/html
chmod -R 777 /var/www/html/var /var/www/html/media /var/www/html/app/etc
root@a05fe40cbeda:/var/www/html# a2enmod rewrite
service apache2 restart
Enabling module rewrite.
To activate the new configuration, you need to run:
  service apache2 restart
* Restarting Apache httpd web server apache2
AH00558: apache2: Could not reliably determine the server's fully qualified domain name
, using 172.17.0.2. Set the 'ServerName' directive globally to suppress this message
[ OK ]
root@a05fe40cbeda:/var/www/html# service mariadb restart
* Stopping MariaDB database server mariadb [ OK ]
* Starting MariaDB database server mariadb [ OK ]
```

Volvemos a reiniciar los servicios.

# Contenedor para Webmin

Creamos el contenedor de webmin de la misma manera e iniciamos el servicio.

```
ubuntu@ip-172-31-66-106:~$ docker run -it --name webmin -p 10000:10000 marcosgarcia/rodriguez/ubuntu-webmin:latest /bin/bash
root@e1c154b7893c:/# /etc/webmin/start
Starting Webmin server in /usr/local/webmin
```

Accedemos desde la IP:puerto de la instancia.

