

ENLAZAR GITHUB CON DOCKERHUB PARA AUTOMATIZAR VERSIONES

Lo primero que tenemos que hacer es crear una cuenta gratuita en dockerhub.



Hey alutau!

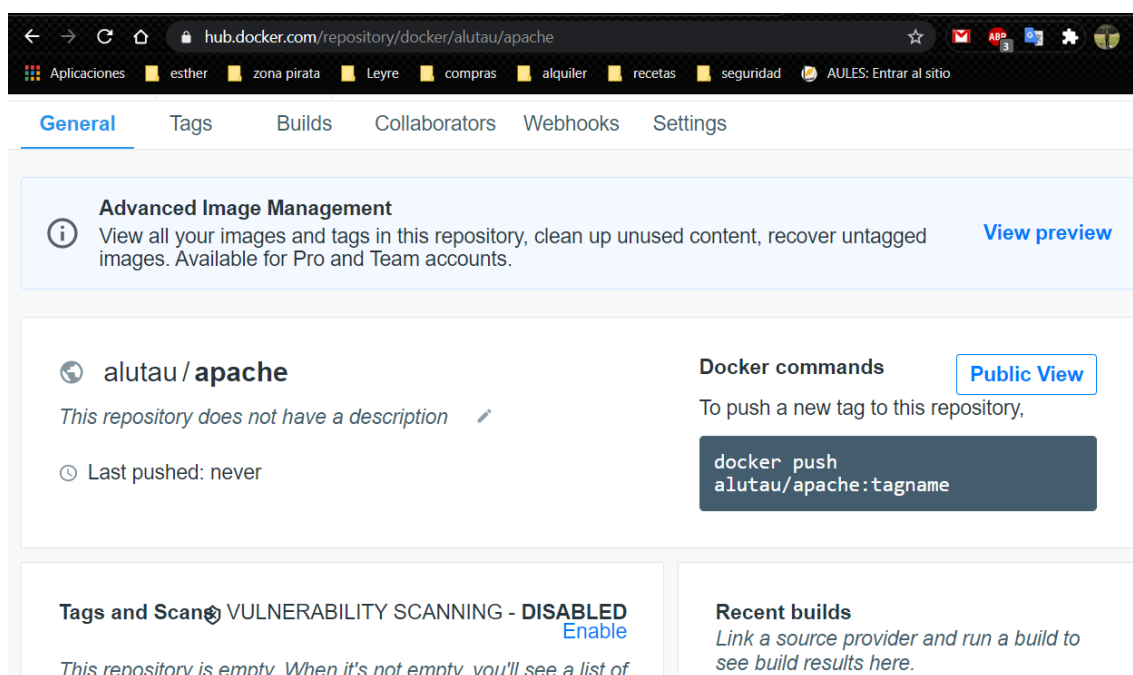
Thanks for joining Docker. To finish registration, please click the button below to verify your account.

[Verify email address](#)

Once verified, you can download Docker Desktop, create repositories and invite others to collaborate with you. If you have any problems, please contact us: hub-support@docker.com

- Docker Team

Una vez hecho esto vamos a crear un repositorio donde subiremos una imagen de docker.



The screenshot shows the Docker Hub interface for a repository named 'alutau/apache'. The browser address bar shows 'hub.docker.com/repository/docker/alutau/apache'. The page has tabs for 'General', 'Tags', 'Builds', 'Collaborators', 'Webhooks', and 'Settings'. The 'General' tab is active. It features a section for 'Advanced Image Management' with a 'View preview' link. Below this, the repository name 'alutau / apache' is displayed, along with a note that it has no description and was last pushed 'never'. To the right, there are 'Docker commands' for pushing a new tag, with a 'Public View' button and a code block showing 'docker push alutau/apache:tagname'. At the bottom, there are sections for 'Tags and Scans' (with a 'VULNERABILITY SCANNING - DISABLED' warning and an 'Enable' link) and 'Recent builds' (with a link to see build results).

Ahora debemos loguearnos desde la terminal a dockerhub para eso ejecutamos docker login.

```
Archivo Máquina Ver Entrada Dispositivos Ayuda
usuari2@kali: ~/Escritor...
01:53 PM
usuari2@kali: ~/Escritorio/docker_apache
Archivo Acciones Editar Vista Ayuda

(usuari2@ kali)-[~/Escritorio/docker_apache]
$ docker login
Login with your Docker ID to push and pull images from Docker Hub. If you don't have a Docker ID, head over to https://hub.docker.com to create one.
Username: alutau
Password:
WARNING! Your password will be stored unencrypted in /home/usuari2/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded

(usuari2@ kali)-[~/Escritorio/docker_apache]
```

Después debemos cambiar el nombre de nuestra imagen a subir para que la acepte dockerhub, la nomenclatura correcta será **usuario/repositorio:tag** y el comando para cambiarlo es:

```
(usuari2@ kali)-[~/Escritorio/docker_apache]
$ docker tag apache3 alutau/apache:v1

(usuari2@ kali)-[~/Escritorio/docker_apache]
$ docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
apache3	latest	94c682b06bbf	19 minutes ago	263MB
alutau/apache	v1	94c682b06bbf	19 minutes ago	263MB
apache2	latest	08b3748c2c2d	21 hours ago	263MB
debian	latest	109b803c6a30	8 days ago	114MB
wordpressweb/boats	latest	94a1abf1b5c3	2 years ago	69MB

Ahora ya cumplimos requisitos y podremos subir nuestra imagen a dockerhub con el comando:

```
(usuari2@ kali)-[~/Escritorio/docker_apache]
$ docker push alutau/apache:v1
The push refers to repository [docker.io/alutau/apache]
3d71e9825f98: Pushed
08534383d55b: Pushed
71f6e0a11626: Pushed
4ef4adca5c3b: Mounted from library/debian
v1: digest: sha256:83ea853d340c292c99cfcc8d317693b5ecdd6e99feb99162ed60a9db82a0f00b size: 1157
```

Y ya tenemos subida la versión 1 de nuestra imagen.

Advanced Image Management
View all your images and tags in this repository, clean up unused content, recover untagged images. Available for Pro and Team [View preview](#)

alutau/apache
This repository does not have a description
Last pushed: a minute ago

Docker commands [Public View](#)
To push a new tag to this repository,
`docker push alutau/apache:tagname`

Tags and Scans [Vulnerability Scanning - DISABLED](#)
This repository contains 1 tag(s).

TAG	OS	PULLED	PUSHED
v1	linux	a minute ago	a minute...

[See all](#)

Recent builds
Link a source provider and run a build to see build results here.

Para que las imágenes docker se actualicen cada vez que el código fuente cambie, tenemos que configurar en dockerhub los builds automatizados. Esto hará que cada vez que se suba a GitHub cambios en el código fuente, dockerhub construya de forma totalmente automática una nueva versión de la imagen docker y la guarde en nuestro repositorio de dockerhub.

Para ello vamos al repositorio en dockerhub y click en la pestaña builds, aquí elegiremos entre github o bitbucket.

alutau/apache Tags

hub.docker.com/repository/docker/alutau/apache/builds

Aplicaciones esther zona pirata Leyre compras alquiler recetas seguridad AULES: Entrar al sitio

docker hub Search for great content (e.g., mysql) Explore Repositories Organizations Get Help alutau

Repositories alutau / apache Builds Using 0 of 1 private repositories. [Get mo](#)

General Tags **Builds** Collaborators Webhooks Settings

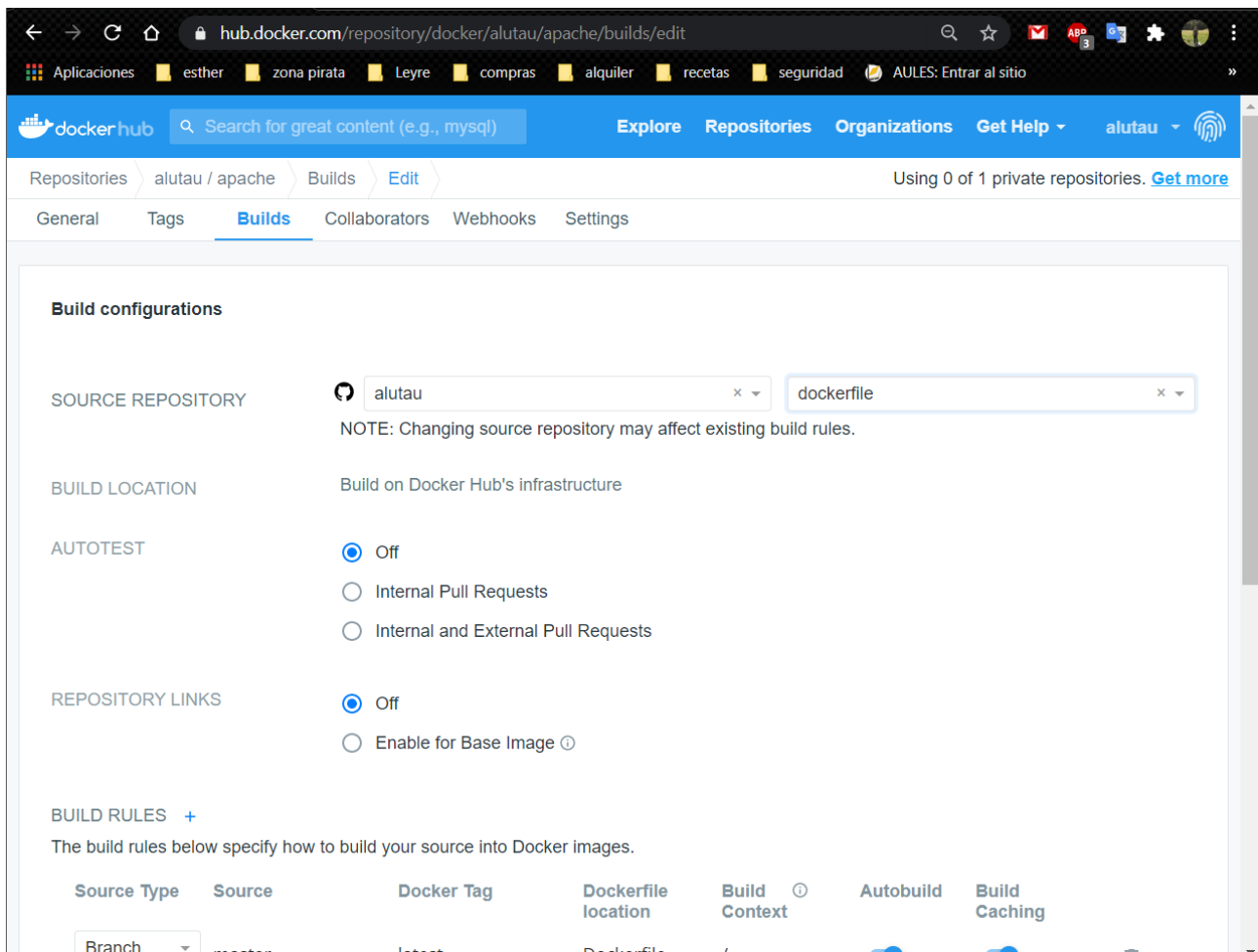
Automated Builds
Autobuild triggers a new build with every **git push** to your source code repository. [Learn More.](#)

ENABLE AUTOBUILD BY CONNECTING TO AN EXTERNAL REPOSITORY SOURCE

Link to GitHub
Disconnected

Link to Bitbucket
Disconnected

Después deberemos indicar cual es el repositorio de github al que queremos vincular la imagen.



Y por último vamos a comprobar que todo a ido bien modificando el archivo dockerfile en el repositorio de github para ver si dockerhub nos automatiza una nueva versión.

```
# we will inherit from the Debian image on DockerHub
FROM debian

# set timezone so files' timestamps are correct
ENV TZ=Europe/Madrid

# install apache and php 7.3 and modsecurity
# we include procps and telnet so you can use these with shell.sh prompt
RUN apt-get update -qq >/dev/null && apt-get install -y -qq procps telnet apache2 php7.3 -qq >/dev/null

# HTML server directory
WORKDIR /var/www/html
COPY . /var/www/html/

# The PHP app is going to save its state in /data so we make a /data inside the container
RUN mkdir /data && chown -R www-data /data && chmod 755 /data & chmod 777 -R /var/www/html/

# enable userdir and php
RUN a2enmod php7.3

# Copy config. apache2
COPY apache2.conf /etc/apache2

# we run a script to stat the server; the array syntax makes it so ^C will work as we want
CMD ["/entrypoint.sh"]
```

Accedemos a dockerhub y refrescamos y ya vemos como esta en progreso.

Automated Builds

Autobuild triggers a new build with every **git push** to your source code repository. [Learn More](#).

alutau/dockerfile | Use Docker Hub's infrastructure | Autotests: Off

Docker Tag	Source	Latest Build Status	Autobuild	Build caching
latest	master	IN PROGRESS	✓	✓

Recent Builds

Build in 'master' (bad71cf1)	latest	bad71cf	3 minutes ago
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Si esperamos un poco y refrescamos ya tenemos nuestra nueva versión de la imagen docker.

alutau/apache

This repository does not have a description

Last pushed: 3 minutes ago

Docker commands [Public View](#)

To push a new tag to this repository,

```
docker push alutau/apache:tagname
```

Tags and Scans VULNERABILITY SCANNING - DISABLED [Enable](#)

This repository contains 2 tag(s).

TAG	OS	PULLED	PUSHED
v1		30 minutes ago	30 minut...
latest		3 minutes ago	3 minute...

[See all](#)

Recent builds

alutau/dockerfile

Build in 'master' (bad71...
Build in 'master' (27ace...

[See all](#)

Ya tenemos vinculadas las dos cuentas.