

Docker Hub Quickstart

Estimated reading time: 2 minutes

[Docker Hub](#) is a service provided by Docker for finding and sharing container images with your team. It provides the following major features:

- [Repositories](#): Push and pull container images.
- [Teams & Organizations](#): Manage access to private repositories of container images.
- [Official Images](#): Pull and use high-quality container images provided by Docker.
- [Publisher Images](#): Pull and use high-quality container images provided by external vendors.
- [Builds](#): Automatically build container images from GitHub and Bitbucket and push them to Docker Hub.
- [Webhooks](#): Trigger actions after a successful push to a repository to integrate Docker Hub with other services.

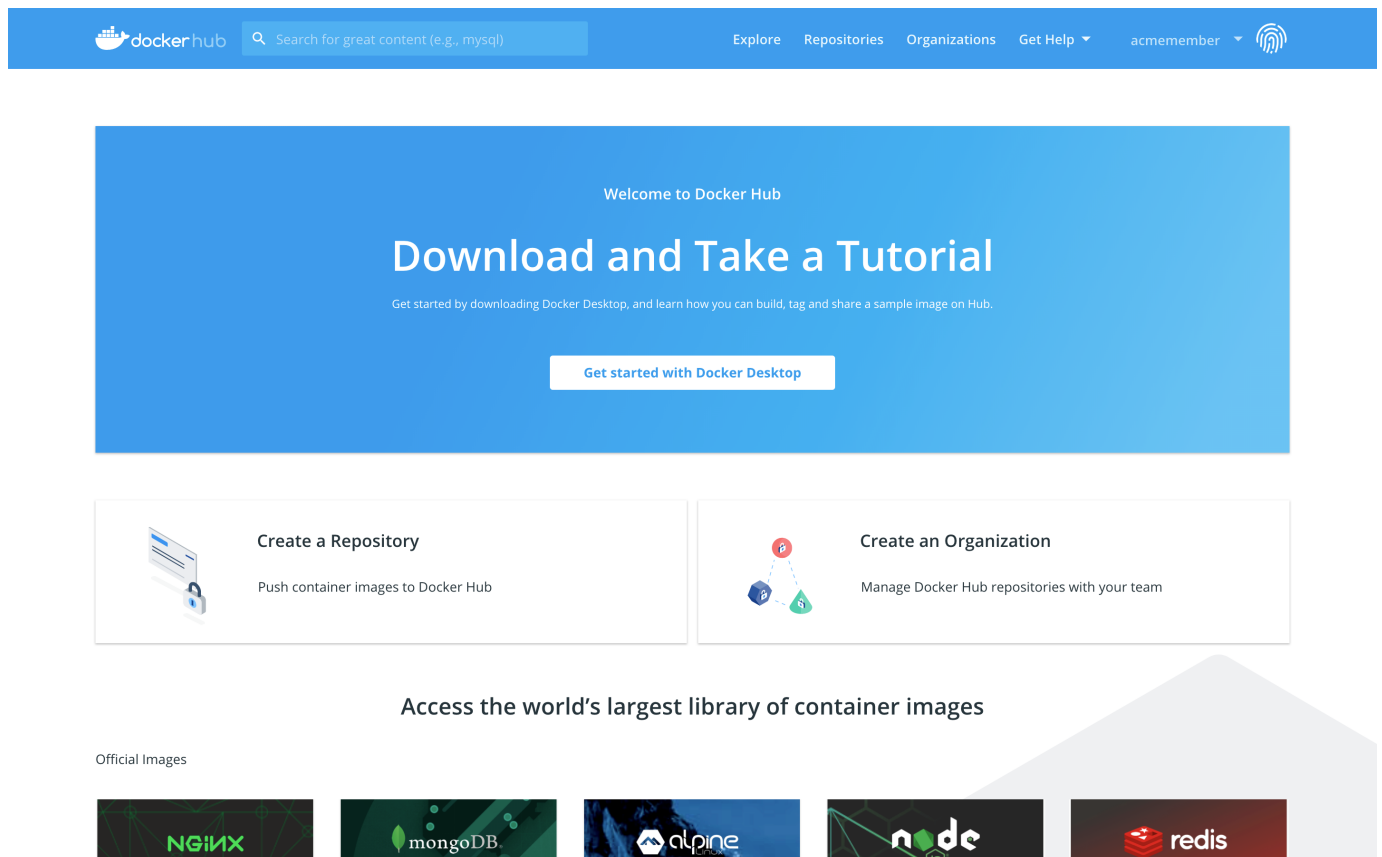
Step 1: Sign up for Docker Hub

Start by [creating an account](#).

Step 2: Create your first repository

To create a repo:

1. Sign in to [Docker Hub](#).
2. Click on **Create a Repository** on the Docker Hub welcome page:



3. Name it **<your-username>/my-first-repo** as shown below. Select **Private**:

The screenshot shows the Docker Hub 'Create Repository' page. The repository name is 'acmemember/my-first-repo'. The visibility is set to 'Private'. The page includes a 'Pro tip' section with Docker CLI commands and a 'Build Settings' section.

Create Repository

Repository name:

My first repository

Visibility

Using 0 of 1 private repositories. [Get more](#)

☐ **Public** Public repositories appear in Docker Hub search results

☒ **Private** Only you can view private repositories

Build Settings (optional)

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

Please re-link a GitHub or Bitbucket account

We've updated how Docker Hub connects to GitHub and Bitbucket. You'll need to re-link a GitHub or Bitbucket account to create new automated builds. [Learn More](#)

Disconnected Disconnected

[Cancel](#) [Create](#) [Create & Build](#)

You've created your first repo. You should see:

The screenshot shows the Docker Hub repository page for 'acmemember/my-first-repo'. The page includes a 'Docker commands' section with a push command and a 'Tags' section.

acmemember / my-first-repo

My first repository

Last pushed: never

Docker commands

To push a new tag to this repository,

```
docker push acmemember/my-first-repo:tagname
```

Tags

This repository is empty. When it's not empty, you'll see a list of the most recent tags here.

Full Description

Repository description is empty. Click [here](#) to edit.

Step 3: Download and install Docker Desktop

We'll need to download Docker Desktop to build and push a container image to Docker Hub.

1. Download and install [Docker Desktop](#). If on Linux, download [Docker Engine - Community](#).

2. Open the terminal and sign in to Docker Hub on your computer by running `docker login` .

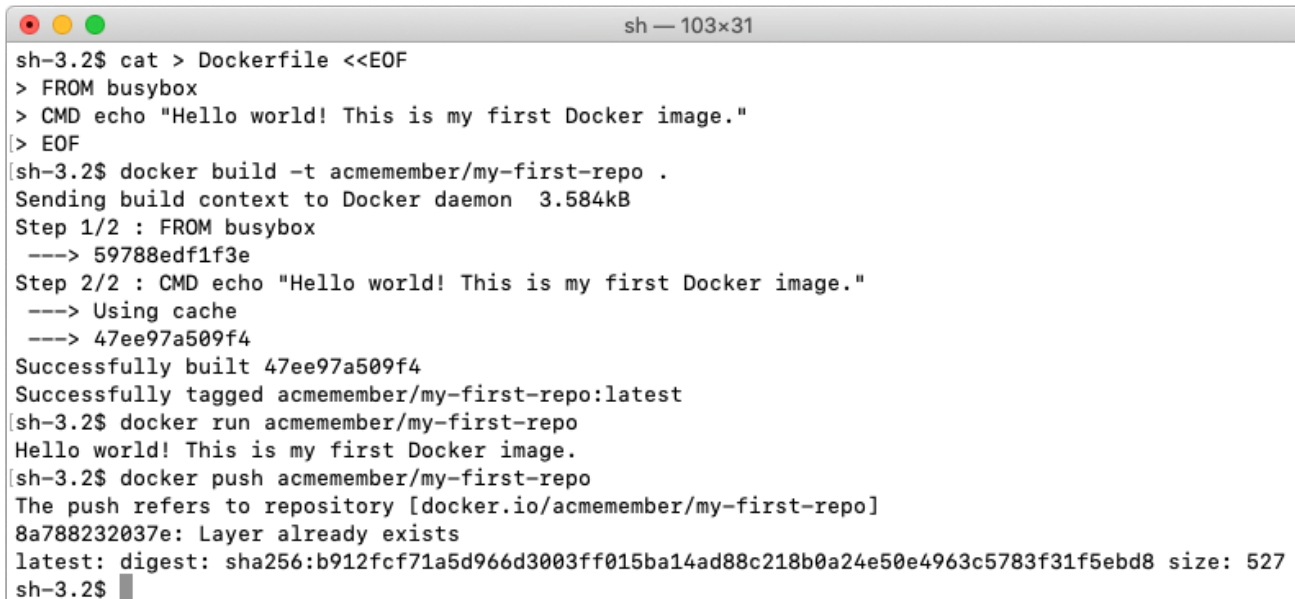
Step 4: Build and push a container image to Docker Hub from your computer

1. Start by creating a [Dockerfile](#) to specify your application as shown below:

```
cat > Dockerfile <<EOF
FROM busybox
CMD echo "Hello world! This is my first Docker image."
EOF
```

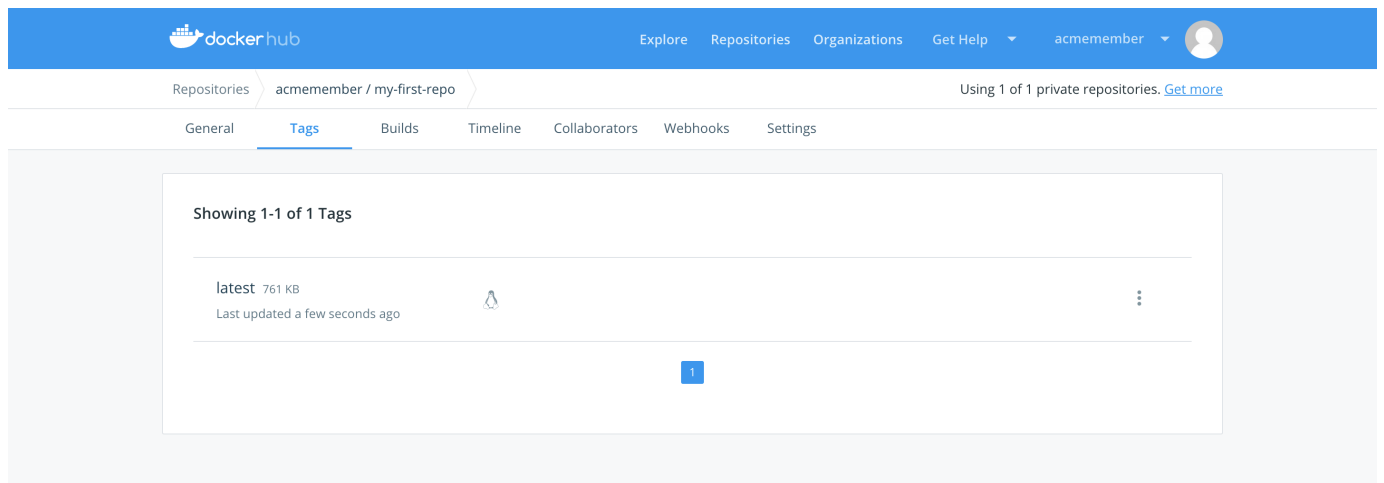
2. Run `docker build -t <your_username>/my-first-repo .` to build your Docker image.
3. Run `docker run <your_username>/my-first-repo` to test your Docker image locally.
4. Run `docker push <your_username>/my-first-repo` to push your Docker image to Docker Hub.

You should see output similar to:



```
sh — 103x31
sh-3.2$ cat > Dockerfile <<EOF
> FROM busybox
> CMD echo "Hello world! This is my first Docker image."
> EOF
sh-3.2$ docker build -t acmemember/my-first-repo .
Sending build context to Docker daemon 3.584kB
Step 1/2 : FROM busybox
----> 59788edf1f3e
Step 2/2 : CMD echo "Hello world! This is my first Docker image."
----> Using cache
----> 47ee97a509f4
Successfully built 47ee97a509f4
Successfully tagged acmemember/my-first-repo:latest
sh-3.2$ docker run acmemember/my-first-repo
Hello world! This is my first Docker image.
sh-3.2$ docker push acmemember/my-first-repo
The push refers to repository [docker.io/acmemember/my-first-repo]
8a788232037e: Layer already exists
latest: digest: sha256:b912fcf71a5d966d3003ff015ba14ad88c218b0a24e50e4963c5783f31f5ebd8 size: 527
sh-3.2$
```

And in Docker Hub, your repository should have a new `latest` tag available under **Tags**:



Congratulations! You've successfully:

- Signed up for Docker Hub
- Created your first repository
- Built a Docker container image on your computer
- Pushed it to Docker Hub