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.

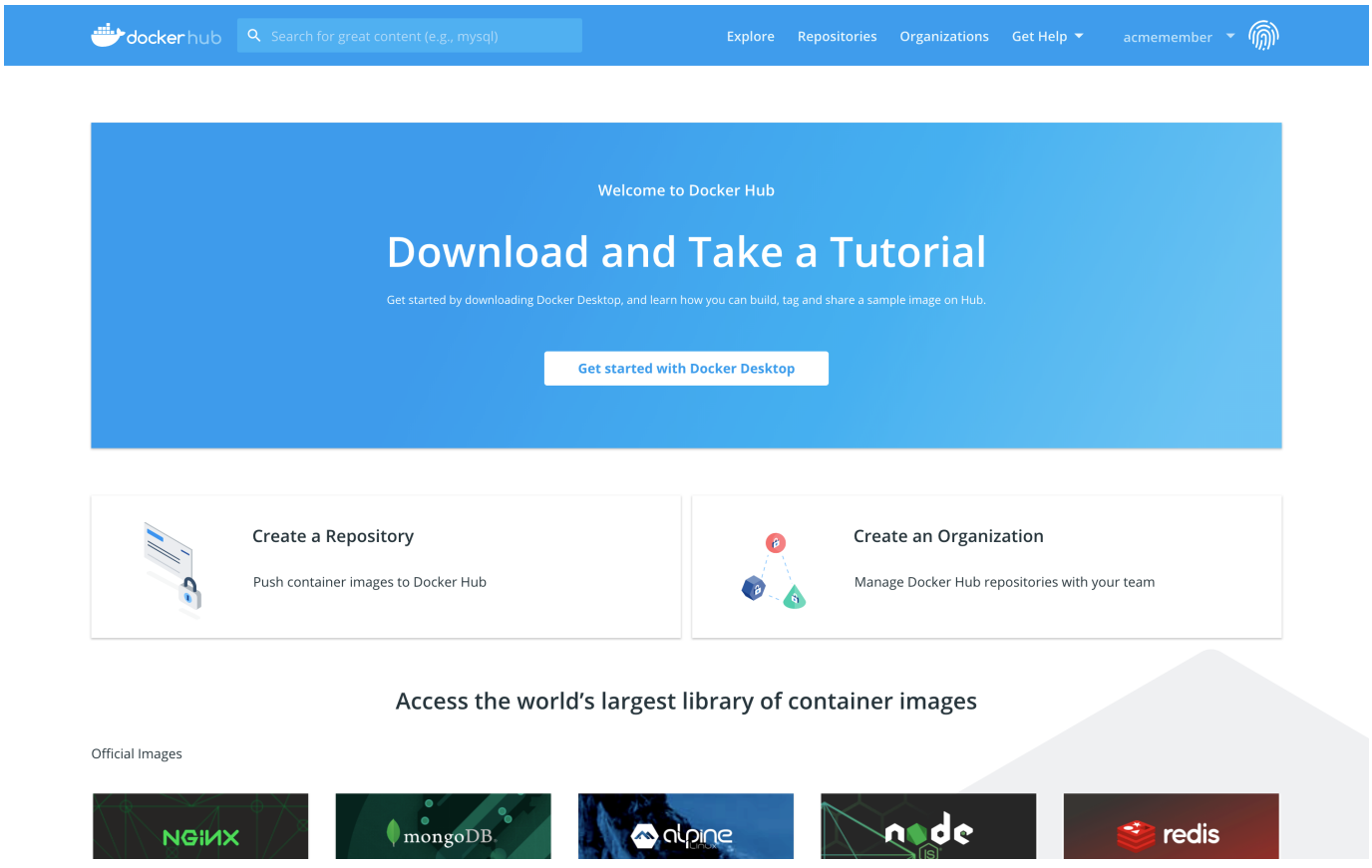
Step 1: Sign up for Docker Hub

Start by creating an account.

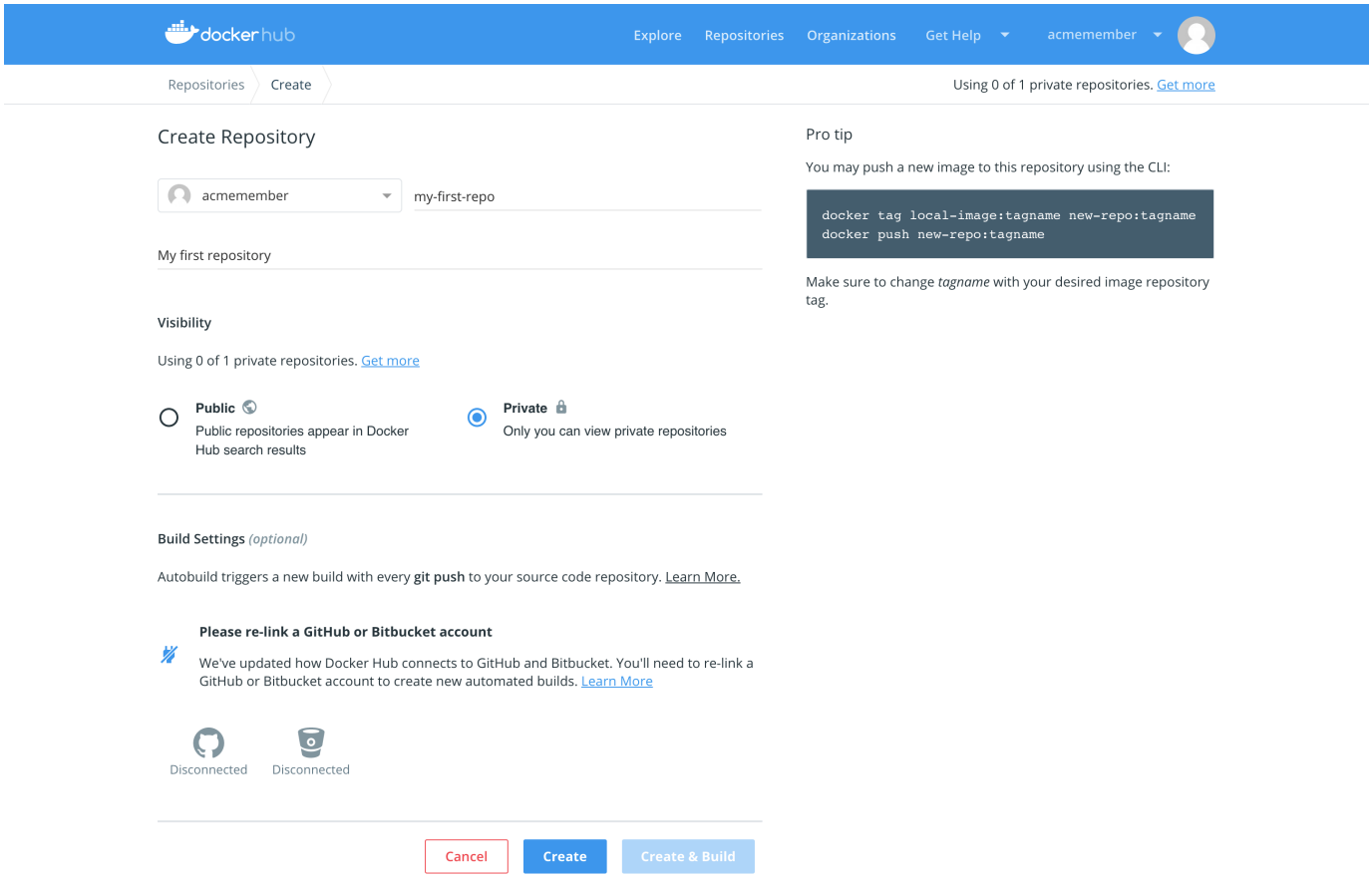
Step 2: Create your first repository

To create a repo:

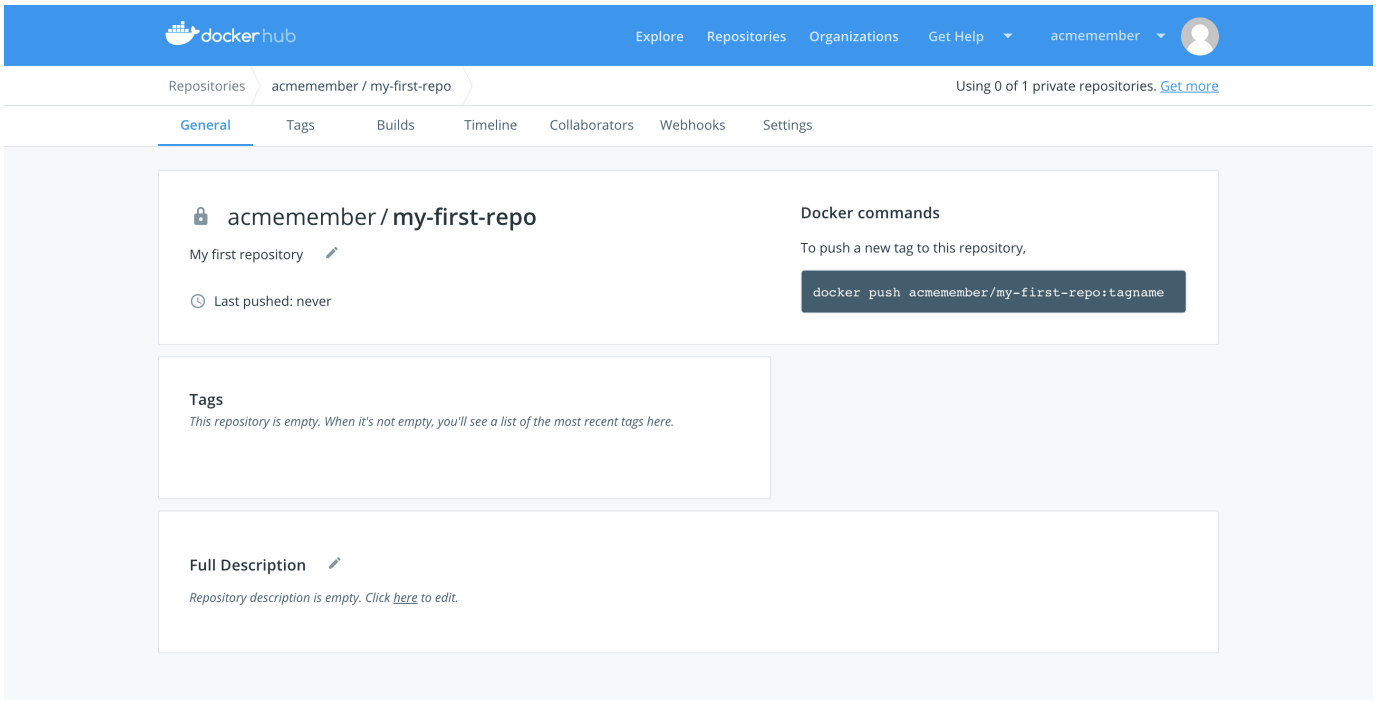
1. Sign in to Docker Hub.
2. Click on **Create a Repository** on the Docker Hub welcome page:



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



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



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:

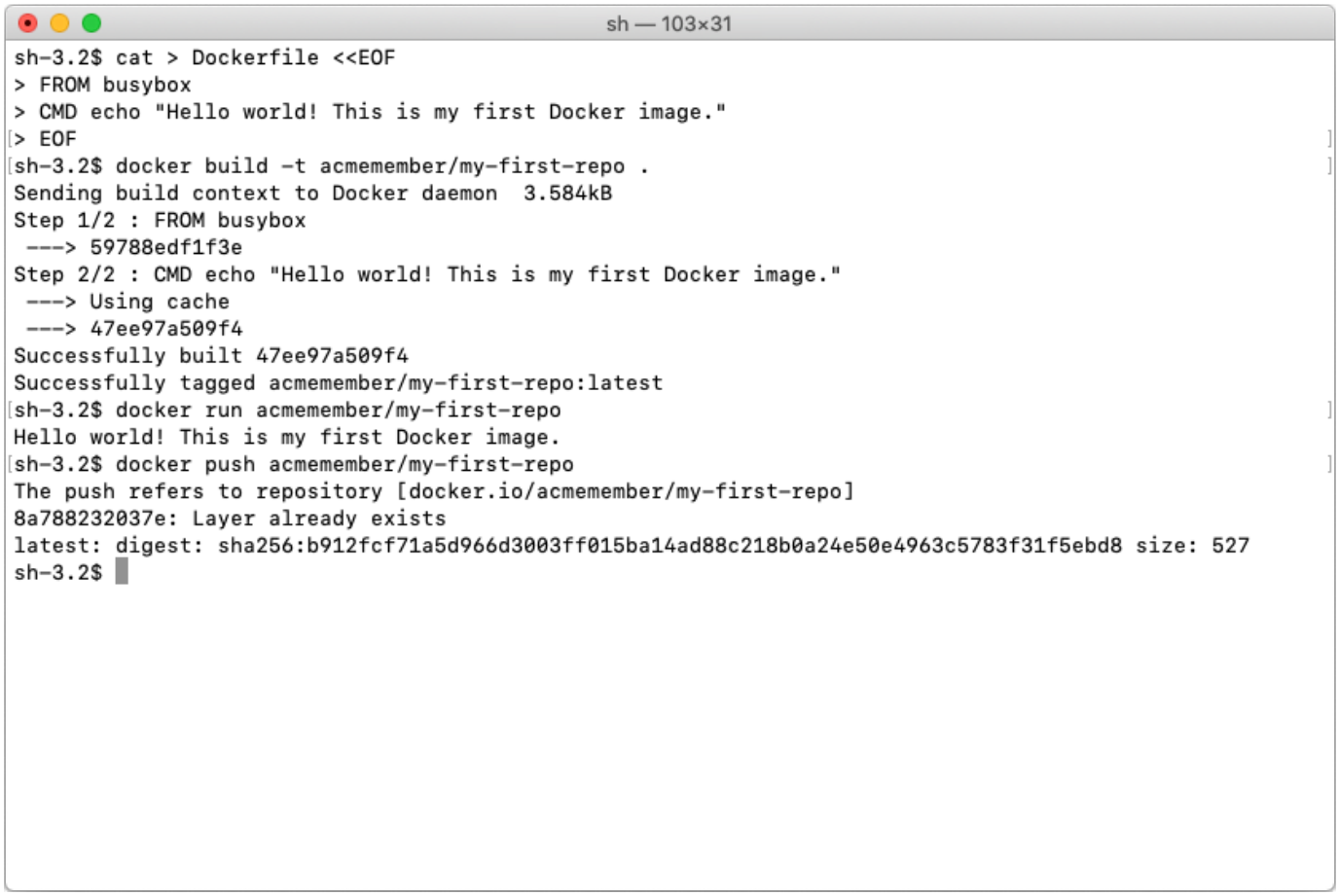
```
cat > Dockerfile <<EOF
FROM busybox
CMD echo "Hello world! This is my first Docker image."
EOF
```

2. Run `docker build -t <your_username>/my-first-repo .` to build your Docker image.

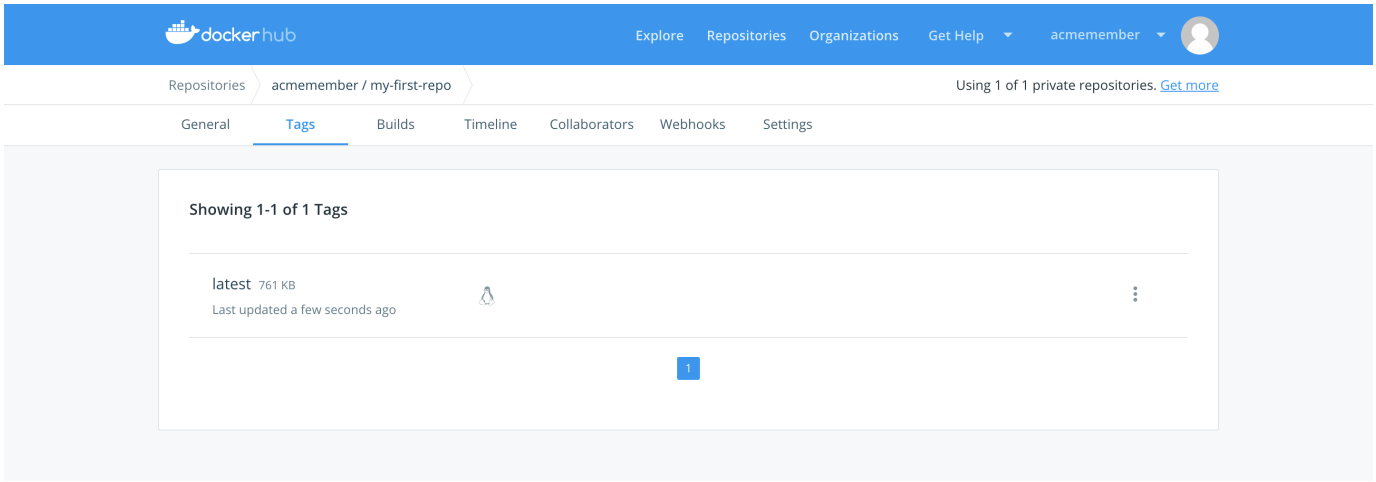
3. Run `docker run <your_username>/my-first-repo` to test your Docker image locally.

4. Run `docker push <your_username>/my-first-repo` to push your Docker image to Docker Hub.

   You should see output similar to:



   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