



Module 09: Working with Registries

Docker Workshop



Agenda

- ✦ Docker Registries
- ✦ Pushing images to Docker Hub

Docker Registries

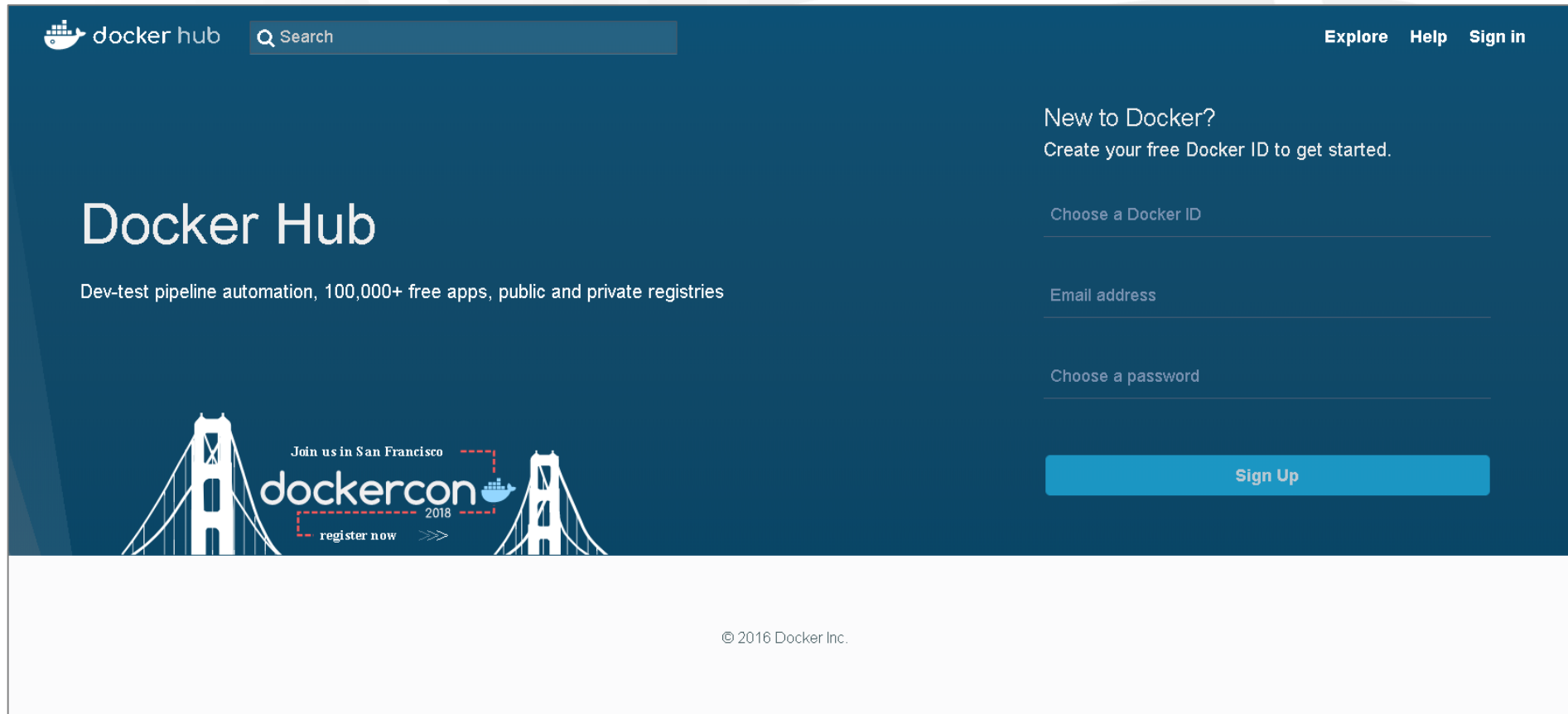
- ✦ Used to share and manage Docker images
- ✦ Docker Hub is the default registry
- ✦ There are also private registries (Artifactory, GCP, Azure, AWS, etc)

Pushing images to the Docker Hub

1. Create an account (free)
2. Create a new repository
3. Tag the image following the convention
4. Login to Docker Hub
5. Push the image



Push to Docker Hub – Create an account



The screenshot shows the Docker Hub homepage with a dark blue header. The header contains the Docker Hub logo, a search bar, and links for 'Explore', 'Help', and 'Sign in'. The main content area features the 'Docker Hub' title, a tagline 'Dev-test pipeline automation, 100,000+ free apps, public and private registries', and a 'dockercon 2018' banner with a 'register now' link. On the right, a 'New to Docker?' section prompts users to 'Create your free Docker ID to get started.' and provides input fields for 'Choose a Docker ID', 'Email address', and 'Choose a password', followed by a 'Sign Up' button. The footer contains the copyright notice '© 2016 Docker Inc.'.

docker hub

Explore Help Sign in

Docker Hub

Dev-test pipeline automation, 100,000+ free apps, public and private registries

Join us in San Francisco
dockercon 2018
register now >>>

New to Docker?
Create your free Docker ID to get started.

Choose a Docker ID

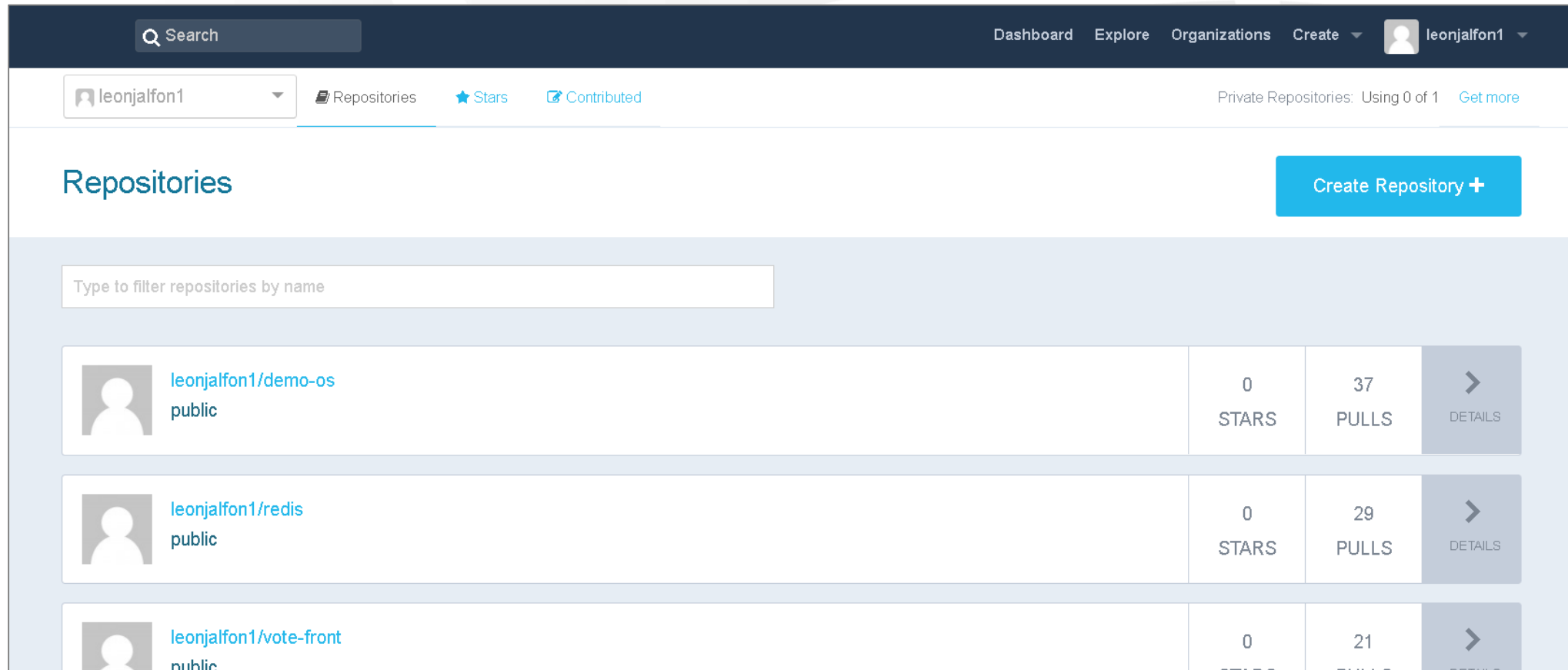
Email address

Choose a password

Sign Up

© 2016 Docker Inc.

Push to Docker Hub – Create a repository



The screenshot shows the Docker Hub interface for user leonjalfon1. The top navigation bar includes a search bar, links to Dashboard, Explore, Organizations, and Create, along with the user's profile icon and name. Below the navigation bar, the user's profile is displayed with a dropdown menu for the username and tabs for Repositories, Stars, and Contributed. A button to 'Create Repository' is visible. The main section is titled 'Repositories' and contains a search bar for filtering by name. A table lists the user's repositories:

Repository Name	Stars	Pulls	Details
leonjalfon1/demo-os public	0	37	> DETAILS
leonjalfon1/redis public	0	29	> DETAILS
leonjalfon1/vote-front public	0	21	> DETAILS

Push to Docker Hub – Tag the Image

✦ To create a new tag for the image use:

```
$ docker tag <image-id> <username>/<repo-name>:<tag>
```

✦ The name of the image must follow the format:

`<username>/<repository>:<tag>`

Push to Docker Hub – Login

✦ Login using the Docker Hub credentials

```
$ docker login -u <username> -p <password>
```

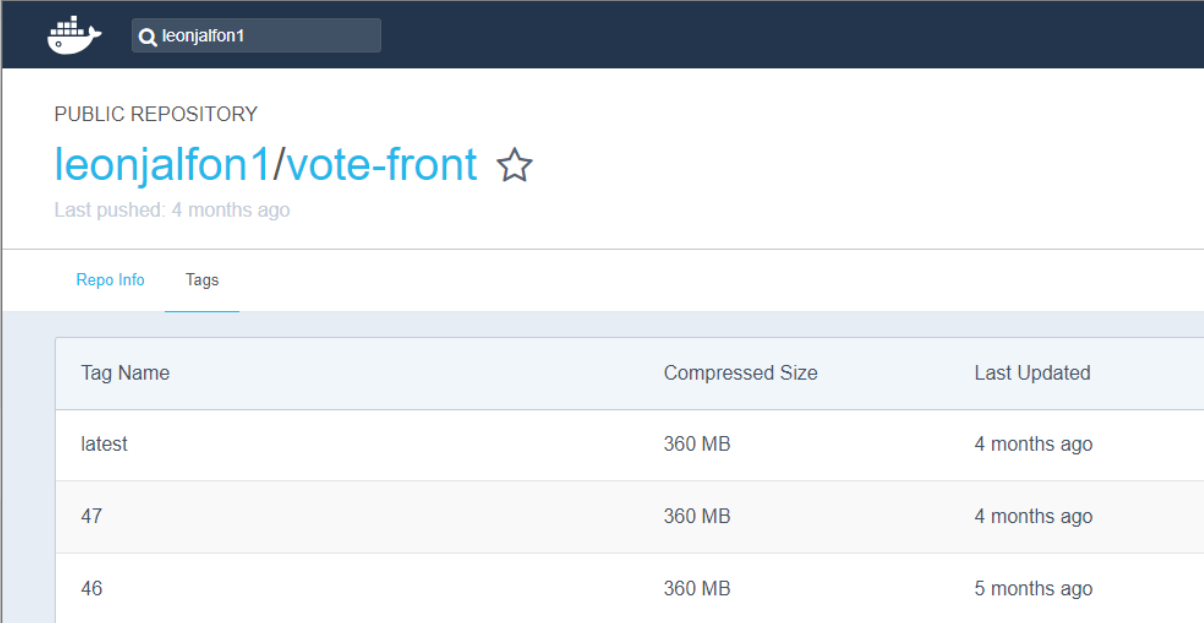

Push to Docker Hub – Push the Image

```
$ docker push <username>/<repo-name>:<tag>
```

- ✦ Then the image will be available in the docker hub
- ✦ You can see all the version pushed to the repository in the repository page

Pulling images from the Docker Hub

1. Login (for private repos)
2. Pull the image



The screenshot shows the Docker Hub interface for a public repository named 'leonjalfon1/vote-front'. The repository was last pushed 4 months ago. The 'Tags' tab is selected, displaying a table of available image tags.

Tag Name	Compressed Size	Last Updated
latest	360 MB	4 months ago
47	360 MB	4 months ago
46	360 MB	5 months ago

```
$ docker pull <username>/<repo-name>:<tag>
```

Questions



Lab 09: Working with Docker Hub

Lab



<https://gitlab.com/sela-docker-workshop/lab-09>