

Pushing Docker Image Tutorials - 7541b3125

USER

I have a docker container of my app I'm building as open source how do I push it to docker and github container registry so that everyone is able to pull the image

BOT

To push your Docker container to both Docker Hub and GitHub Container Registry (GHCR) so that others can pull it, follow these steps:

1. **Prepare Your Docker Image**

Make sure your Docker image is built and tagged correctly. For example:

```
```bash
docker build -t your-username/your-app:tag .
```
```

- Replace `your-username` with your Docker Hub username or GitHub username.
- Replace `your-app` with the name of your app.
- Replace `tag` with the version or tag you want (e.g., `latest`).

2. **Push to Docker Hub**

a. Log in to Docker Hub

If you're not already logged in, log in to Docker Hub:

```
```bash
docker login
```
```

Enter your Docker Hub username and password when prompted.

b. Tag the Image for Docker Hub

If your image isn't already tagged for Docker Hub, tag it:

```
```bash
docker tag your-app:tag your-username/your-app:tag
```
```

c. Push the Image to Docker Hub

Push the image to Docker Hub:

```
```bash
docker push your-username/your-app:tag
```
```

Your image will now be available at
`docker.io/your-username/your-app:tag`.

3. **Push to GitHub Container Registry (GHCR)**

a. Log in to GHCR

Log in to GitHub Container Registry using your GitHub username and a personal access token (PAT) with the `write:packages` and `read:packages` scopes:

```
```bash
echo "your-personal-access-token" | docker login ghcr.io -u your-github-username --password-stdin
```
```

- Replace `your-personal-access-token` with your GitHub PAT.
- Replace `your-github-username` with your GitHub username.

b. Tag the Image for GHCR

Tag the image for GitHub Container Registry:

```
```bash
docker tag your-app:tag ghcr.io/your-github-username/your-app:tag
```
```

c. Push the Image to GHCR

Push the image to GHCR:

```
```bash
docker push ghcr.io/your-github-username/your-app:tag
```
```

Your image will now be available at `ghcr.io/your-github-username/your-app:tag`.

4. **Make the Image Public**

By default, images on GHCR are private. To make it public:

1. Go to your GitHub repository.
2. Navigate to **Package Settings** (on the right-hand side).
3. Click on your container image.
4. Under **Package Settings**, click **Manage Actions**.
5. Set the visibility to **Public**.

5. **Share the Image**

Now that your image is pushed to both Docker Hub and GHCR, you can share the pull commands with others:

- **Docker Hub**:

```
```bash
docker pull your-username/your-app:tag
```
```

- **GitHub Container Registry**:

```
```bash
docker pull ghcr.io/your-github-username/your-app:tag
```
```

6. **Automate Future Builds (Optional)**

To automate the process of building and pushing images, you can use:

- **GitHub Actions**: Set up a workflow to build and push images to GHCR and Docker Hub.
- **Docker Hub Automated Builds**: Link your GitHub repository to Docker Hub for automatic builds.

Would you like help setting up automation?

Warning: Some URLs are invalid

- `docker.io/your-username/your-app:tag`
- `ghcr.io/your-github-username/your-app:tag`