

Docker Registry

Estimated reading time: 1 minute

📌 Looking for Docker Trusted Registry?

Docker Trusted Registry (DTR) is a commercial product that enables complete image management workflow, featuring LDAP integration, image signing, security scanning, and integration with Universal Control Plane. DTR is offered as an add-on to Docker Enterprise subscriptions of Standard or higher.

Go to Docker Trusted Registry
(<https://docs.docker.com/ee/dtr/>)

What it is

The Registry is a stateless, highly scalable server side application that stores and lets you distribute Docker images. The Registry is open-source, under the permissive Apache license (http://en.wikipedia.org/wiki/Apache_License).

Why use it

You should use the Registry if you want to:

- tightly control where your images are being stored
- fully own your images distribution pipeline
- integrate image storage and distribution tightly into your in-house development workflow

Alternatives

Users looking for a zero maintenance, ready-to-go solution are encouraged to head-over to the Docker Hub (<https://hub.docker.com>), which provides a free-to-use, hosted Registry, plus additional features (organization accounts, automated builds, and more).

Users looking for a commercially supported version of the Registry should look into Docker Trusted Registry (<https://docs.docker.com/datacenter/dtr/2.1/guides/>).

Requirements

The Registry is compatible with Docker engine **version 1.6.0 or higher**.

Basic commands

Start your registry

```
docker run -d -p 5000:5000 --name registry registry:2
```

Pull (or build) some image from the hub

```
docker pull ubuntu
```

Tag the image so that it points to your registry

```
docker image tag ubuntu localhost:5000/myfirstimage
```

Push it

```
docker push localhost:5000/myfirstimage
```

Pull it back

```
docker pull localhost:5000/myfirstimage
```

Now stop your registry and remove all data

```
docker container stop registry && docker container rm -v registry
```

Next

You should now read the detailed introduction about the registry (<https://docs.docker.com/registry/introduction/>), or jump directly to deployment instructions (<https://docs.docker.com/registry/deploying/>).

registry (<https://docs.docker.com/glossary/?term=registry>), on-prem (<https://docs.docker.com/glossary/?term=on-prem>), images (<https://docs.docker.com/glossary/?term=images>), tags (<https://docs.docker.com/glossary/?term=tags>), repository (<https://docs.docker.com/glossary/?term=repository>), distribution (<https://docs.docker.com/glossary/?term=distribution>)