

- Official Dokumentation <https://docs.docker.com/>
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Docker Overview
- ✓

Get Docker
- ✓

Get started - Part 1: Getting started

- Workshop ([Getting Started with Docker](#))
- ✓

Intro and brief history of Docker
- ✓

Getting started with Docker and Docker Desktop
- ✓

Making and using containers
- ✓

Making and using images
- ▮

Taking advantage of Docker Hub to find Official Images
- ▮

Persistent data with volumes
- ▮

Multiple Docker containers at once with Docker Compose
- ▮

Deploying containers to the cloud
- ▮

Quick peek at Docker Extensions

- Java Docker Tutorial ([Getting started with Java](#))
- ▮

Overview
- ▮

Build Images
- ▮

Run containers
- ▮

Develop your app
- ▮

Run your tests
- ▮

Configure CI/CD
- ▮

Deploy your app

Java Docker Tutorial

- Docker - Noter
- Image:
- Et image er opskriften på hvordan et projekt skal køres. For at sammenligne med den normale opbygning af et program, er et image her hvor koden ligger.

- Container:
- En container er et compiled image, hvor de dependencies som et image har, også er hentet ned og klar til brug. En container kan køres - eventuelt med konfigurationer.

Docker Run Parameters:

| | |
|---------------|---|
| -i | Interactive - Terminal lukker ikke efter kørsel |
| -d | Detached - Kører i baggrunden |
| --name *name* | Navngiv container |

Docker Build Parameters:

| | |
|-----------|---------------------|
| -t *name* | Tag - Navngiv image |
|-----------|---------------------|

- OpenJDK image:
- docker run -i -t openjdk

- Commands
- attach

Attach local standard input, output, and error streams to a running container
- build

Build an image from a Dockerfile
- commit

Create a new image from a container's changes
- cp

Copy files/folders between a container and the local filesystem
- create

Create a new container
- diff

Inspect changes to files or directories on a container's filesystem
- events

Get real time events from the server
- exec

Run a command in a running container
- export

Export a container's filesystem as a tar archive
- history

Show the history of an image
- images

List images
- import

Import the contents from a tarball to create a filesystem image
- info

Display system-wide information
- inspect

Return low-level information on Docker objects
- kill

Kill one or more running containers
- load

Load an image from a tar archive or STDIN
- login

Log in to a Docker registry
- logout

Log out from a Docker registry
- logs

Fetch the logs of a container
- pause

Pause all processes within one or more containers
- port

List port mappings or a specific mapping for the container
- ps

List containers
- pull

Pull an image or a repository from a registry
- push

Push an image or a repository to a registry
- rename

Rename a container
- restart

Restart one or more containers
- rm

Remove one or more containers
- rmi

Remove one or more images
- run

Run a command in a new container
- save

Save one or more images to a tar archive (streamed to STDOUT by default)
- search

Search the Docker Hub for images
- start

Start one or more stopped containers
- stats

Display a live stream of container(s) resource usage statistics
- stop

Stop one or more running containers
- tag

Create a tag TARGET_IMAGE that refers to SOURCE_IMAGE
- top

Display the running processes of a container
- unpause

Unpause all processes within one or more containers
- update

Update configuration of one or more containers
- version

Show the Docker version information
- wait

Block until one or more containers stop, then print their exit codes