

# Docker CLI cheatsheet

## docker build

```
docker build [options] .  
  -t "app/container_name"    # name
```

Create an image from a Dockerfile.

## docker run

```
docker run [options] IMAGE  
  # see `docker create` for options
```

Run a command in an image.

## Manage containers

### docker create

```
docker create [options] IMAGE  
  -a, --attach          # attach stdout/err
```

### docker exec

```
docker exec [options] CONTAINER COMMAND  
  -d, --detach          # run in background
```

```
-i, --interactive      # attach stdin (interactive)
-t, --tty              # pseudo-tty
    --name NAME        # name your image
-p, --publish 5000:5000 # port map
    --expose 5432       # expose a port to linked container
-P, --publish-all     # publish all ports
    --link container:alias # linking
-v, --volume `pwd`:/app # mount (absolute paths needed)
-e, --env NAME=hello    # env vars
```

#### Example

```
$ docker create --name app_redis_1 \
  --expose 6379 \
  redis:3.0.2
```

Create a container from an image.

## docker ps

```
$ docker ps
$ docker ps -a
$ docker kill $ID
```

Manage containers using ps/kill.

```
-i, --interactive  # stdin
-t, --tty         # interactive
```

#### Example

```
$ docker exec app_web_1 tail logs/development.log
$ docker exec -t -i app_web_1 rails c
```

Run commands in a container.

## docker start

```
docker start [options] CONTAINER
  -a, --attach      # attach stdout/err
  -i, --interactive # attach stdin
```

```
docker stop [options] CONTAINER
```

Start/stop a container.

# Images

## docker images

```
$ docker images
```

REPOSITORY	TAG	ID
ubuntu	12.10	b750fe78269d
me/myapp	latest	7b2431a8d968

```
$ docker images -a # also show intermediate
```

Manages images.

## docker rmi

```
docker rmi b750fe78269d
```

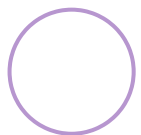
Deletes images.

## Also see

[Getting Started](#) (docker.io)



**0 Comments** for this cheatsheet. [Write yours!](#)



Over 368 curated  
cheatsheets, by  
developers for developers.

Devhints home

## Other Devops cheatsheets

**docker-compose**  
cheatsheet

**AWS CLI**  
cheatsheet

**Chef**  
cheatsheet

**Deis**  
cheatsheet

**Dockerfile**  
cheatsheet

**EC2 API tools**  
cheatsheet

## Top cheatsheets

**Elixir**  
cheatsheet

**ES2015+**  
cheatsheet

**React.js**  
cheatsheet

**Vim**  
cheatsheet

**Vim scripting**  
cheatsheet

**Capybara**  
cheatsheet