

# Docker

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# General Commands

## Containers

### List running containers

```
docker ps
```

### List all containers

```
docker ps -a
```

### Run a container from an image

```
docker run [OPTIONS] imagename[:tag]
```

Options:

- --rm (remove after close)
- -p 8000:8000 (bind docker port 8000 to computer port 8000)
- -d (run in background)
- --env-file .env (adds env file to container run)

### Restart container

```
docker start container-name
```

# Stop a container

```
docker stop container-name
```

# Remove a container

```
docker rm myubuntu
```

# Images

## List images

```
docker images
```

## Remove image

```
docker rmi IMAGE_ID
```

## Build image

```
sudo docker build -t image_name .
```



# Building a first setup

## Bulding a container

```
sudo docker build -t CONTAINER_NAME .
```

`-t` is the container "tag" name

`.` assumes the "Dockerfile" is in the same directory as the PWD

## Running and opening a container

```
docker run -it --rm CONTAINER_NAME bash
```

`-it` interactive terminal like bash

`--rm` removes the container after exiting