



Simple Docker Commands

Recap / Cheat-Sheet

<https://vomtom.at>

HOST (Windows, MacOS, Linux)

Docker Daemon

Image (e.g. "ubuntu")

Example command:

```
docker run -it ubuntu /bin/bash
```

Container
"a5f..."

Container
"b9c..."

Container
"57b..."

HOST (Windows, MacOS, Linux)

Docker Daemon

Image (e.g. "ubuntu")

Container
"a5f..."

Container
"b9c..."

Container
"57b..."

Important Commands

```
docker run <image>
```

➤ Run container from <image>

```
docker ps (-a)
```

➤ List running containers

➤ -a: List all containers

```
docker attach <container>
```

➤ attach to a running container

```
docker start/stop <container>
```

➤ start/stop a container

```
docker rm <container>
```

➤ remove a container

```
docker logs <container>
```

➤ Get the logs

```
docker inspect <container>
```

➤ Inspect Container Details

Important Commands

```
docker run <image>
```

- Run container from <image>

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docker inspect <container>
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- Inspect Container Details

Important Flags for docker run

```
docker run -it <image>
```

- Get an interactive Terminal

```
--rm
```

- Delete Container after it stopped

```
-d
```

- Start the container „detached“

```
--name <name>
```

- Give the container a custom name

```
-v <hostDir>:<guestDir>
```

- Mount the directory <hostDir> into the directory <guestDir>

```
-w <dir>
```

- Set a „start“-working directory

```
-p <hostPort>:<guestPort>
```

- Map port from host to guest

Important Commands

`docker run <image>`

- Run container from <image>

`docker ps (-a)`

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- attach to a running container

`docker start/stop <container>`

- start/stop a container

`docker rm <container>`

- remove a container

`docker logs <container>`

- Get the logs

`docker inspect <container>`

- Inspect Container Details

Important Flags for docker ps

`docker ps`

- List the currently running containers
- The one's which are not stopped

-a

- List *all* running containers
- Stopped included

Important Commands

`docker run <image>`

- Run container from <image>

`docker ps (-a)`

- List running containers
- -a: List all containers

`docker attach <container>`

- attach to a running container

`docker start/stop <container>`

- start/stop a container

`docker rm <container>`

- remove a container

`docker logs <container>`

- Get the logs

`docker inspect <container>`

- Inspect Container Details

Important Flags for docker attach

`docker attach <container>`

- Attaches to the <container>
- <container> can be the full identifier, or the first few characters, or the container-name.

Important Commands

`docker run <image>`

- Run container from <image>

`docker ps (-a)`

- List running containers
- -a: List all containers

`docker attach <container>`

- attach to a running container

`docker start/stop <container>`

- start/stop a container

`docker rm <container>`

- remove a container

`docker logs <container>`

- Get the logs

`docker inspect <container>`

- Inspect Container Details

Important Flags for docker start/stop

`docker start <container>`

- Starts the container <container>
- <container> can be the full identifier, or the first few characters, or the container-name.

`docker stop <container>`

- “The main process inside the container will receive SIGTERM, and after a grace period, SIGKILL.”

Important Commands

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- attach to a running container

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- start/stop a container

`docker rm <container>`

- remove a container

`docker logs <container>`

- Get the logs

`docker inspect <container>`

- Inspect Container Details

Important Flags for docker rm

`docker rm <container>`

- Removes the container

`-f <container>`

- Forces the removal (SIGKILL)

Important Commands

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- Run container from <image>

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`docker rm <container>`

- remove a container

`docker logs <container>`

- Get the logs

`docker inspect <container>`

- Inspect Container Details

Important Flags for docker logs

`docker logs <container>`

- Fetches the logs from the container

-f

- Follows the log output

--tail N

- Shows the last N lines

--since <time>

- Shows logs since <time>
- E.g. 2019-12-04T00:00:00
- E.g. "42m" for 42 minutes

--until <time>

- Show logs before a timestamp
- Since API 1.35

Important Commands

`docker run <image>`

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- Get the logs

`docker inspect <container>`

- Inspect Container Details

Important Flags for docker inspect

`docker inspect <container>`

- Return low-level information on Docker objects

Learn Docker, Dockerfile, and Docker-Compose Today!

<https://www.udemy.com/course/docker-and-docker-compose-hands-on-by-example/?referralCode=D809EA8FF9D9FFA16BC6>