

Images

Dockerfile instructions

FROM	# to specify the base image
WORKDIR	# to set the working directory
COPY	# to copy files/directories
ADD	# to copy files/directories
RUN	# to run commands
ENV	# to set environment variables
EXPOSE	# to document the port the container is listening on
USER	# to set the user running the app
CMD	# to set the default command/program
ENTRYPOINT	# to set the default command/program

Image commands

```
docker build -t <name> .  
docker images  
docker image ls  
docker run -it <image> sh
```

Starting and stopping containers

```
docker stop <containerID>
docker start <containerID>
```

Removing containers

```
docker container rm <containerID>
docker rm <containerID>
docker rm -f <containerID>           # to force the removal
docker container prune                # to remove stopped containers
```

Volumes

```
docker volume ls
docker volume create app-data
docker volume inspect app-data
docker run -v app-data:/app/data <image>
```

Copying files between the host and containers

```
docker cp <containerID>:/app/log.txt .
docker cp secret.txt <containerID>:/app
```

Sharing source code with containers

```
docker run -v $(pwd):/app <image>
```