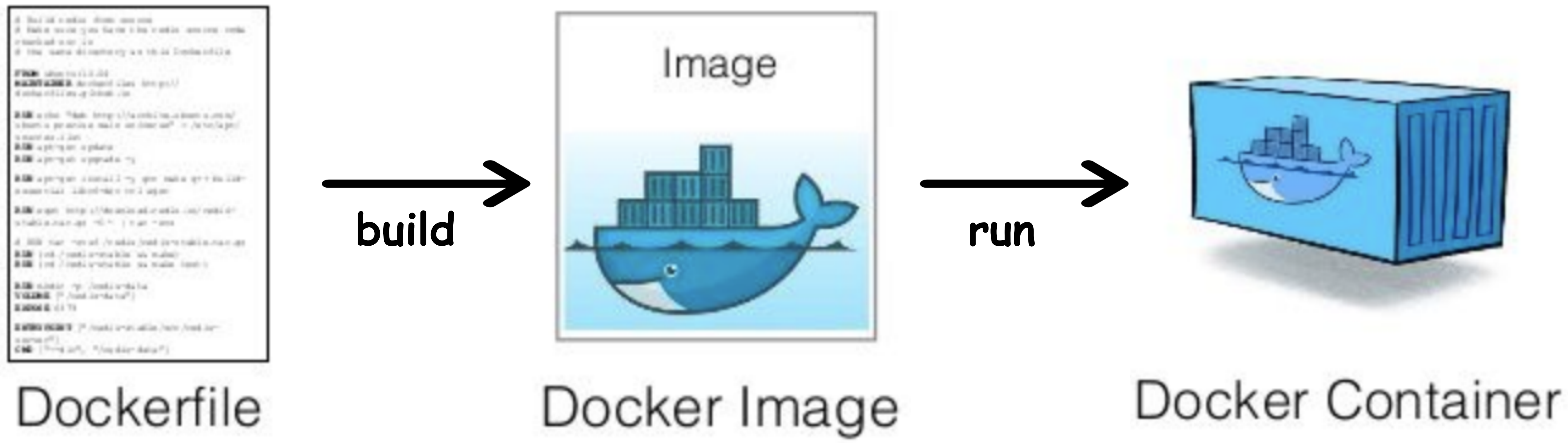
Dockerfile



Common **Dockerfile** instructions start with RUN, ENV, FROM, MAINTAINER, ADD, and CMD, among others.

FROM - Specifies the base image that the Dockerfile will use to build a new image.

MAINTAINER - Specifies the Dockerfile Author Name and his/her email.

RUN - Runs any UNIX command to build the image.

RUN <commands>	***/bin/sh -c <commands>***
RUN ["executable", "params", "more params"]	***The exec form is parsed as a JSON array***

ENV - Sets the environment variables. For this example : JAVA_HOME

CMD - Provides the facility to run commands at the start of container. This can be overridden upon executing the docker run command.

COPY - It only lets you copy in a local file or directory from your host into the Docker image itself.

ADD - lets you do that too, but it also supports 2 other sources. First, you can use a URL instead of a local file / directory. Secondly, you can extract a tar file from the source directly into the destination..

EXPOSE - This instruction exposes specified port to the host machine.

WORKDIR - The WORKDIR instruction sets the working directory for any RUN, CMD, ENTRYPOINT, COPY and ADD instructions that follow it in the Dockerfile.

ENTRYPOINT - allows you to configure a container that will run as an executable.

VOLUME - creates a mount point with the specified name and marks it as holding externally mounted volumes from native host or other containers.

ARG - defines a variable that users can pass at build-time to the builder with the docker build command using the --build-arg <varname>=<value> flag.