



# Dockerfile Buildtime vs. Runtime

To understand how Dockerfiles affect your image and container, you should understand when different statements are used. e.g. Runtime statements don't affect the image build and are only image metadata until the container starts.



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## Buildtime "docker build"

FROM

ADD

COPY

RUN

ARG

ONBUILD

## Both Build and Run

LABEL

ENV

USER

SHELL

WORKDIR

## Runtime "docker run"

EXPOSE

VOLUME

STOPSIGNAL

CMD

ENTRYPOINT

HEALTHCHECK



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Buildtime "docker build"	Both Build and Run	Runtime "docker run"
<p>ADD COPY</p> <p>FROM RUN</p> <p>ONBUILD</p>	<p><b>Additive</b></p> <p>These statements add to the image and can't be overwritten with a second statement.</p>	<p>EXPOSE</p> <p>VOLUME</p>
<p>ARG</p>	<p><b>Overwrite</b></p> <p>These statements replace their previous use. For key=value statements, a reused key name replaces the previous value.</p> <p>LABEL ENV</p> <p>SHELL USER</p> <p>WORKDIR</p>	<p>STOPSIGNAL</p> <p>CMD</p> <p>ENTRYPOINT</p> <p>HEALTHCHECK</p>