





**Dockerfile instructions** 

Creating custom images

RUN COPY/ADD

HEALTHCHECK

ARG/ENV VOLUME

WORKDIR ONBUILD

LABEL

USER

FROM

STOPSIGNAL

EXPOSE

CMD/ENTRYPOINT

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**Dockerfile instructions** 

Creating custom images

- CMD vs. ENTRYPOINT
  - ENTRYPOINT CANNOT be overridden
  - CMD Can be overriden
- COPY vs. ADD
  - COPY Copies local files and directories
  - ADD Copies local files and directories, can additionally copy from remote URL and can copy tarballs
- ARG vs. ENV
  - ARG is just scoped to the build phase
  - ENV is scoped to build and Run phases

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## **Dockerfile best practices**

Creating custom images

- Use official base images
- Prefer COPY over ADD
- Group RUN instructions in on line
- Define a USER
- ADD a .dockerignore file
- Use Multi-stage builds

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