Dockerfile

- Referenz: https://docs.docker.com/engine/reference/builder/
- Best Practices: https://docs.docker.com/engine/userguide/eng-image/dockerfile_best-practices

Basis image

```
FROM ubuntu
FROM <image>:<tag>
```

Dateien in den Container bringen

Im Zweifelsfall **COPY** verwenden

```
ADD https://github.com/jekyll/docker/blob/master/repos/jekyll/opts.yml /tmp
COPY test.png /tmp
COPY ["test a.png", "test b.png" "/tmp"]
```

Befehl im Container ausführen

Häufig für *apt-get update && apt-get install*

```
RUN echo "abc" > /tmp/echo.txt
RUN ["/bin/bash", "-c", "echo hello"]
```

Basis-Kommando des Containers festlegen

Zwei Konzepte **CMD** und **ENTRYPOINT**

- CMD

```
CMD ["ping", "localhost"]
```

- ENTRYPOINT

```
ENTRYPOINT ["ping", "localhost"]
```

- Kombinierbar

```
FROM ubuntu
ENTRYPOINT ["ping", "-c", "3"]
CMD ["localhost"]
```

Umgebungsvariablen

```
ENV JAVA_HOME=/usr/lib/jvm/
```

User

```
USER root
```

Arbeitsverzeichnis

```
WORKDIR /var/lib/jenkins
```

Healthcheck

```
HEALTHCHECK --interval=5m --timeout=3s \
   CMD curl -f http://localhost/ || exit 1
```