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Layered JARs

Optimise your Docker images with Layered JARs

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Agenda

Docker

Layers

Fat JAR

Layered JAR

Beyond Spring Boot

Docker

Docker Images and Containers

lightweight, standalone, executable package of software that includes everything needed to run an application: code, runtime, system tools, system libraries and settings.

- Dockerfile: consists of instructions (read-only layers)
- Compiled
- become containers at runtime

Something else

```
FROM adoptopenjdk:8u252-b09-jre-hotspot-bionic as builder
WORKDIR /opt/app
COPY ./build/libs/*.jar application.jar
RUN java -Djarmode=layertools -jar application.jar extract

FROM adoptopenjdk:8u252-b09-jre-hotspot-bionic
WORKDIR /opt/app
COPY --from=builder /opt/app/dependencies ./
COPY --from=builder /opt/app/spring-boot-loader ./
COPY --from=builder /opt/app/snapshot-dependencies ./
COPY --from=builder /opt/app/application ./
ENTRYPOINT ["java", "org.springframework.boot.loader.JarLauncher"]
```

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