Title: .jar file not found when building a Docker container with Palantir Gradle plug-in Post Body:

If I try to build a Docker container with a Spring Boot application under Windows 10, I get the following error:

> Task :docker FAILED COPY failed: stat /var/lib/docker/tmp/docker-builder711841135/myproject.jar: no such file or directory

I'm using Docker Community Edition in version 18.03.0-ce-win59 (16762) and Gradle 4.7 with Java 8.

build.gradle (shortened):

plugins { id 'java' id 'org.springframework.boot' version '2.0.1.RELEASE' id 'com.palantir.docker' version '0.19.2

Dockerfile (sibling of build.gradle in the top-level project directory):

FROM openjdk:8-jre COPY build/libs/myproject.jar myproject.jar ENTRYPOINT ['java','-Djava.security.egd=file:/dev/./urandom','

If I build the Docker container with Docker only (without Gradle) it works.

How can I let Gradle (or Docker?) find the file myproject.jar?

Accepted Answer:

The problem is the COPY command in the Docker file:

COPY build/libs/myproject.jar myproject.jar

The source directory build/libs/ is not where the files for building the Docker container reside. Instead the directory build/docker/ is used as Docker build context. When COPY is executed this directory is the effective working directory.

The correct COPY command is as simple as this:

```
COPY myproject.jar /
```

Docker task:

If you want to copy resources too, you need to add ${\tt processResources}$ to the files parameter:

files bootJar.archivePath, processResources

Highest Rated Answer:

It works with following config of the ${\tt docker}$ task:

docker { dependsOn build name '\${project.group}/\${jar.baseName}' files bootJar.archivePath buildArgs(['JAR_FII

Using this slightly different docker file:

FROM openjdk:8-jre ARG JAR_FILE COPY \${JAR_FILE} app.jar ENTRYPOINT ['java','-Djava.security.egd=file:/dev/./urandom','-jar','