

Title: Including a maven artifact in Dockerfile

Post Body:

We have a requirement to include a maven artifact (a jar file) in a Dockerfile. This jar file is used as an argument in the run command of our application. What is the correct way of copying a maven artifact in the Dockerfile which does not exist in the build directory and only exists in the local maven repo? I have found that since maven artifacts won't be in the build context, the only way to copy it is from the .m2 directory of the container (.m2 directory contains all the maven artifacts). Is that correct or is there a better way? Thanks

Accepted Answer: None

Highest Rated Answer:

You can do that by copying the jar to your image when creating it.

here's an example. Assuming you want to use the Quava jar, and it is already listed as a dependency in your POM.

Create Makefile in your root project (where you have your POM.xml),

```
create_image: Dockerfile build
    docker build . -t myimage:mytag build: POM.xml mvn clean install
```

Create Dockerfile in the same directory:

```
FROM centos COPY ~/.m2/repository/com/google/guava/14.0.1/guava.jar / CMD ['sh run.sh', '/quava.jar']
```

and simply create your image using:

```
make create_image
```