

Title: How to quickly integrate the maven project into the docker

Post Body:

I have a maven project whose project structure is as follows:

parentProject:

parentProject:

APorject.war

BProject.war

parentApiProject:

AProjectApi.jar

BProjectApi.jar

I would like to package the project at the same time the following four items were copied into the four docker, and will run up■

Is there any good ideas and technical solutions?

Accepted Answer: None

Highest Rated Answer:

I prefer to build images after the jar/war files are ready (another option is to integrate it with maven by [plugin](#)). But in both options you will need to create a Dockerfile first.

You have 4 applications so you will need 4 containers (one container - one thing to do or one service to run). Every container will have its own base image and setup depending on how you run the application.

For example, Dockerfile to copy jar file to image and run it using openjdk:

```
FROM openjdk:8-jdk VOLUME /tmp COPY ./target/application.jar /application.jar RUN bash -c 'touch /application.jar' ENTRYPOINT
```

To run war files you will probably need [tomcat image](#).

After you added Dockerfiles for your custom applications the next step is to create a [docker-compose.yml](#) file. It will include all containers you will need to run the whole project (4 your custom applications, databases or any other services).

```
version: '3' services: application: build: ./path_to_dockerfile ports: - 7000:7000 environment: - DA
```

There you will setup paths to your Dockerfiles, create private network with dependencies and after everything is ready you can run it with `docker-compose up` command.