

Title: Docker-Compose - Control docker-compose execution order

Post Body:

I need to control the order of Docker containers instantiation, the problem is that I want to build a Jar file with the Docker maven container then pass that jar to an OpenJDK Docker container in order to build an image and then instantiate a MongoDB container and a Java-App container with the OpenJDK image generated before that communicates between them via docker-compose.

The problem is the Build always fails because some of the Unit tests talk to the database before it's initialized and since the tests fail the build also fails.

This is my dockerfile:

```
FROM maven:3.5-alpine COPY ./ /app RUN cd /app && mvn package FROM openjdk:8 COPY spring-rest-iw-exam.jar /tmp/spring-rest-iw
```

This is my Docker-Compose:

```
version: '2' services:  mongodb:      image: mongo      container_name: iw_exam_mongo      restart: always      ports:          - '270
```

I tried with depends_on and did some other tests with a tool call dockerize but none of it works, the maven build always starts before docker-compose even start to instantiate mongodb.

This is the github repository of the proyect: <https://github.com/dsalasboscan/exam>

I need to instantiate Mongoddb first and THEN start with the maven build and java image generation.

Accepted Answer: None

Highest Rated Answer:

I came across similar problem before, and would like to share my experience.

Basically, we need to wait for a while to make sure mongodb is completely boot up, here is the [tool](#) that you can leverage. It's fairly easy to use.