Title: How to debug a JDK docker container in intellij idea?

Post Body:

I want to start up a docker container with debug options as follows, but the startup won't work:

Dockerfile:

```
# syntax=docker/dockerfile:1 FROM maven:3-eclipse-temurin-11 as dependencies WORKDIR /opt/app COPY .dockerdev/settings.xml . C
```

docker-compose.yml:

```
version: '3.7' services:   app:     environment:        - "JAVA_TOOL_OPTIONS=-agentlib:jdwp=transport=dt_socket,server=y,suspen
```

Result:

```
docker-compose up Recreating my_app ... done Attaching to my_app app_1  | Picked up JAVA_TOOL_OPTIONS: -agentlib:jdwp=transpor
```

Sidenote: Port 5005 is of course *not* running/listening on my host! Also, if I change the port to 5006, 5007 etc, the error is always the same.

So why is the port blocked on `mvn spring-boot:run`?

Accepted Answer:

The problem with your solution is that there are 2 debug sessions being started. 1 for the maven command and 1 for the forked JVM voor Spring Boot. Hence the error and changing the port won't solve this as the problem will remain.

What you need to do is remove the `JAVA_TOOL_OPTIONS` from your docker compose file and instead add the following to your entry point

```
-Dspring-boot.run.jvmArguments=-agentlib:jdwp=transport=dt_socket,server=y,suspend=n,address=*:5005
```

That way it will only apply to the Spring Boot plugin and will be taken into account when launching the app in a new JVM.

Highest Rated Answer: None