

Title: hot reload java program running in docker

Post Body:

I developed a java program which is supposed to run in docker. However, I encountered a lot of pains when debugging my java program running in docker.

I searched on Internet, some tutorials proposed tools like spring-dev-tools (as my java program is a spring-boot-based program).

<https://www.youtube.com/watch?v=sz5Zv5QQ5ek>

Based on thoses tutorials, debugging is ok, such as setting breakpoint and variable watching, however, when I update my code (for instance, some classes), thoses changes cannot be reflected immediately in the program running in docker, the programm behaves as old code.

Can anybody give some hints ?

Accepted Answer: None

Highest Rated Answer:

I have managed to make this work by doing the following:

1. Mount the source code into the container at runtime
2. Connect using a remote debugger

Here is my dockerfile:

```
FROM gradle:5.4-jdk12 WORKDIR /app EXPOSE 8080 5005
```

and here is my docker-compose.yml:

```
version: '3' services:  app:      build:      context: .      ports:      - 5005:5005      - 8080:8080      volumes:      -
```

when I run this using `docker-compose up` and then connect a remote debugger, the hot reloading works.

I am connecting from IntelliJ so I have to rebuild the project for the hot reloading to work.