

Title: Installing maven in a docker build overrides JAVA 8 with JAVA 7(!)

Post Body:

It appears that maven overrides Java 8 with Java 7. Consider the following Dockerfile:

```
FROM java:8 RUN java -version && ls -l /usr/bin/java      RUN apt-get update -y && apt-get install maven -y RUN java -version &
```

Line two will report the java version is 1.8 **but line 4 will report java version is 1.7**. In both cases the `/usr/bin/java` symlink points to `/etc/alternatives/java`

Besides re-installing Java 8 (which is why I started with Java:8 in the first place), how can I undo these side-effects of installing maven when building a docker image?

Accepted Answer:

I found a minimal-delta solution although the point about not using apt-get for maven installs is noted. Here is the solution as the code

```
FROM java:8 # preserve Java 8 from the maven install. RUN mv /etc/alternatives/java /etc/alternatives/java8 RUN apt-get upda
```

Obviously, the last line is unnecessary but does confirm that the result is java 8.

Highest Rated Answer:

Your problem isn't Maven, it's some dumb decision made by the person who packaged Maven into a .deb for APT. Do not use Maven from a .deb. The Apache Maven project doesn't make these, doesn't know what's in them, and does not support them very much. Download the genuine tar.gz from [maven.apache.org](https://maven.apache.org), it will happily work with whatever version of Java you've got.