Title: Mounting Maven Repository to Docker

Post Body:

I am trying to build a Java application and make a package using docker. This builds needs a maven repository which I don't want to include in the image, since it's very large. I wanted to try using volumes and mount my local maven repository to the maven repository in the image. I used `apt-get install -y maven` in order to have maven available, but I can't find the directory `.m2` in the image `$HOME`.

I used `ls -la $HOME`, `ls -la` and `ls -la /root` to find the maven home, but there is no `.m2` directory there.

EDIT 1:

I have these lines in `Dockerfile`:

```
FROM ubuntu MAINTAINER Zeinab Abbasimazar # Install and configure required packages RUN apt-get update; \     apt-get install
```

Which puts local repository configurations in image's maven configuration file, mounts my local maven repository to a directory in the image and finally performs the build. As I can see in the maven build log that it's using the local repository path I expected:

```
[DEBUG] Reading global settings from /usr/share/maven/conf/settings.xml [DEBUG] Reading user settings from /root/.m2/settings.
```

But still can't detect dependencies.

Accepted Answer:

I finally found the solution for mounting my local maven repository in docker. I changed my solution; I am mounting it in the `run` phase instead of `build` phase. This is my `Dockerfile`:

```
FROM ubuntu MAINTAINER Zeinab Abbasimazar ADD gwr $HOME RUN apt-get update; \     apt-get install -y --no-install-recommends a
```

At first, I build the image using above `Dockerfile`:

```
sudo docker build -t imageName:imageTag .
```

Then, I run a container as below:

```
sudo docker run -d -v /home/zeinab/.m2/:/root/.m2/ --name containerName imageName:imageTag
```

Highest Rated Answer:

You don't find the `~/.m2` directory because it is created only when needed, i.e. when you store libraries in the local repository or when you add a config file.

You can create the `~/.m2` directory yourself and create your own `settings.xml` inside. There you can define the emplacement of the local repository:

```
<settings  xmlns='http://maven.apache.org/SETTINGS/1.0.0'           xmlns:xsi='http://www.w3.org/2001/XMLSchema-instance'
```

Read the documentation for more details.