

Title: Dockerfile - get contents of the root directory

Post Body:

I'm building images of multiple services from `docker-compose.yml`. For eg if there are 3 services a,b & c and there are changes in service a folder, the image would be built using the command `docker-compose a-service`. however the service in the `docker-compose.yml` file has been written in a way where it is given a build context. for e.g

```
services:  a-service:      container-name: a-service      build:      context: ./services/a
```

and this is the project file structure

```
java-project/ ■■ docker-compose.yml ■■ services/ ■ ■■ a/ ■ ■ ■■ Dockerfile ■ ■ ■■ pom.xml ■ ■■ b/ ■ ■ ■■ pom.xml
```

Dockerfile

```
# # Build stage # FROM maven:3.6.3-jdk-11 as build ***fails at this steps*** RUN mvn clean install -DskipTests # # Package s
```

Now when the service a is built, the `Dockerfile` present in service a folder is referenced and also the `pom.xml` present in the service a folder is referenced. However, I want the `pom.xml` present in the root directory of the project to be referenced for the maven build as part of the image creation process (maven build requires the `pom.xml` to create jar files. These jar files would be copied to the image). I tried the following in the service a `Dockerfile` but still no luck. Any idea how I can achieve this? `RUN cd ../../pom.xml` or

```
RUN mkdir tmp-context RUN cp -R ../../pom.xml tmp-context
```

or `COPY ../../pom.xml .` tldr - How do i get the contents of the project in the root directory from a sub directory in a `Dockerfile`

Accepted Answer:

You can change the `context` and add the location of your `dockerfile` like so:

```
services:  a-service:      container-name: a-service      build:      context: ./      dockerfile: ./services/a/Dockerf
```

Highest Rated Answer: None