

Title: Can't dockerize spring micro-services multi module app

Post Body:

I'm building a application with JAVA 11, maven, spring. It has a root pom to organize all child modules as seen on:

<https://github.com/erickmob/spring-petclinic-microservices>

Here's the project structure:

I've tried to create on the root project this docker-compose.yml:

```
version: '2'
services:
  config-server:
    build:
      context: ./config-server
    dockerfile: Dockerfile
```

And in the config-server this dockerfile:

```
FROM maven:3.6.3-adaptopenjdk-11 as build
WORKDIR /usr/src/config-server/
COPY . /usr/src/config-server/
RUN mvn clean package
```

But it keeps given me this output error:

```
Building config-server Step 1/13 : FROM maven:3.6.3-adaptopenjdk-11 as build ---> 739e519745cd Step 2/13 : WORKDIR /usr/src/config-server/
```

If I make a `mvn clean install` on root folder or config-server folder, everything is ok, but when I try to run docker-compose build it gives me error saying that cannot found the parent pom.

Accepted Answer:

This is **not really** Docker, but Maven.

You are building your `config-server/` project only (and here is when Docker is *in the middle*) but the "context" sent to Docker is **just** what's inside `config-server/` and not the entire project. To build `config-server/` you need the entire project because you are referring/using a *parent* POM.

Highest Rated Answer:

IIUC,

docker-compose.yml

```
version: "2"
services:
  config-server:
    build:
      context: ./
    dockerfile: Dockerfile
    image: config-server
```

Dockerfile

```
FROM maven:3.6.3-adaptopenjdk-11 as build
COPY . /usr/src/
WORKDIR /usr/src/
RUN mvn clean package
FROM adoptopenjdk/openjdk-11
```

run the following command `docker-compose up -d logs`:

```
root@ubuntu:/home/sathya/Desktop/stackoverflow/docker/spring-boot/spring-petclinic-microservices# docker-compose up -d
Building config-server
```