Title: Docker cannot find Resource on classpath

Post Body:

I have a simple Gradle Spring Boot Java application, where I am trying to get some properties value from "application.properties" and "application-dev.properties" using spring boot profiling. It is working fine and Spring Boot profile is loading when I try to run application on the local machine, but when when I try to run same application on the Docker, suddenly an error pops up which says that application is not able to find resources on the classpath.

Below is the project structure:

In the App.Config class I have the following code. As you can see I am trying to get property value from application.properties file.

```
@Component @PropertySource("classpath:application.properties") public class AppConfig {  @Value("${host}") private String host
```

application.properties contains following code:

```
map = Main-Map  spring.profiles.active=${profile}
```

application-dev.properties contains following code:

```
host = Development-host
```

As you can see I am setting profile value in application.properties from outside. That's what I am trying to inject through docker

Dockerfile contain following code:

```
FROM java:8  VOLUME /tmp  ENV tom=dev  ADD build/libs/demo-0.0.1-SNAPSHOT.jar /app/app.jar  ADD build/resources/main/applicati
```

I build Docker image using following command:

```
docker build -t demo:latest .
```

I run Docker using following command:

```
docker run -p 8083:8080 demo:latest
```

When I run `docker run` command, so comes below exception:

```
2019-12-12 07:09:50.405  INFO 1 --- [           main] com.example.demo.DemoApplication         : Starting DemoApplication on
```

What can I try to resolve this?

Accepted Answer:

It has nothing to do with the docker. Have you tried building the jar file and running it by `java -jar`.

```
ADD build/resources/main/application.properties /app/application.properties  ADD build/resources/main/application-dev.properti
```

These are unnecessary too. When you create your artifact as fat/uber/Shadow jar, you will have your properties packaged in jar.

How to build fat/uber/Shadow Jar (Spring boot Gradle)

https://plugins.gradle.org/plugin/org.springframework.boot (Gradle: Build 'fat jar' with Spring Boot Dependencies)

Alternative

https://imperceptiblethoughts.com/shadow/ (https://github.com/johnrengelman/shadow)

Highest Rated Answer:

Seems like you aren't building Fat Jar. You can utilize `spring-boot-maven-plugin` for that.

```
<plugin>        <groupId>org.springframework.boot</groupId>        <artifactId>spring-boot-maven-plugin</artifactId>        <version>2.
```

Then change your `Dockerfile` like:

```
FROM java:8 VOLUME /tmp ENV tom=dev COPY build/libs/demo-0.0.1-SNAPSHOT.jar /app/app.jar WORKDIR /app ENTRYPOINT ['java','-Dja
```