

Title: Cannot read file via docker container

Post Body:

I have a spring-boot application and I have some files placed inside `/src/main/java/resources` which I am trying to read it in my code. When the same code tries to read from docker container it says file does not exist. The same code works perfectly fine via localhost

The files are under `/src/main/java/resources/data` folder and this is my code which tries to read the file

```
private String getJson(String folderName, String id, StringBuilder sb) throws Exception {           String responseJson = null;
```

An example for the file path : `src/main/resources/data/get-products/1420-17612-82.json` Docker file content

```
{  'commands':    [      'rm -rf .tmp',      'git clone git@github.com:{orgnname}/{test-service.git} -b COECP-973-Configure-logg
```

Accepted Answer:

So... you messed path for `File` and for resources from class path. What is the reason to have `File f = new File(filePath);`?

Here are things:

If you use `File` - files must be available to the JVM and as long as you use relative path like `data\folderxxx\filexxx.json` it must be available in container file system. I.e. `data` folder must be placed in image or mounted from outside exactly into directory from where JVM runs

If you use `ClassLoader` and `ResourceAsStream` root of your data directory must be defined in class path for JVM or be in Jar file - it is a root in classpath as well. Check your jar file - if data directory is in root of jar - all fine and files will be available by

```
this.getClass().getClassLoader().getResourceAsStream(filePath), but not for new File(filePath)!
```

if not - make it happen or update your `filePath` for `ResourceAsStream` accordingly.

Highest Rated Answer:

I have had faced the same issue earlier, though our requirement got more complex over time, but the following code should solve your problem:

```
ClassPathResource cp = new ClassPathResource('relative_path_to_file');           File f = null;           if (cp.exists())           f
```