Title: Read files from sub directories of class path resource folder in spring boot Post Body:

I would like to read files from sub directories of resource folder. I am facing issues with jar execution.

This is my directory structure.

```
src/main/resources |_ Conf |_ conf1 |_ config.txt |_ conf2 |_ config.txt
```

Here, I am trying to read config.txt files from all sub directories of Conf folder. I do not know what sub directories Conf will have. I know the classpath till Conf. So, I will give classpath till Conf and trying to get sub directories and files.

I tried to achieve this using ClassPathResource. This works fine if it is file. I am facing issues when it comes to directory. I am using getFile api to get the directory path to walk through that directory for sub directories which is causing issue in jar execution.

Here is my code:

Below code is to read sub directories in Conf folder.

List<Map<String,String>> list = new ArrayList<Map<String,String>>(); ClassPathResource classPathResource = new ClassPathResou

Reading each sub directory.

```
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```

try (BufferedReader reader = r

Resource resources[] = resolver

Reading file:

```
public String readFile(File confFile) {
                                         StringBuffer terms = new StringBuffer();
```

Here, I should not use classPathResource.getFile() to get the absolute path because it tries to find file in file system which will not avilable in case of jar. So, I need alternate way to get absolute path of resource directory. I have to pass it to File.walk api to find sub directories and files.

Accepted Answer:

As mentioned in the question, first I want to get confX directories then read conf.txt files.

Finally, I could solve my issue as below.

This will give all sub directories of Conf directory. Here / at the end in classpath: Conf/\*/ is very important. If we do not give / it will work normally but will not work in jar. From the above code block resources[] array will contains directory location like this class path resource [Conf/conf1/] and so on. I need sub directory name to read corresponding file. Here is the code for it.

```
Pattern dir
Arrays.asList(resources).stream()
                                                           .forEach(resource ->{
```

ClassLoader cl = this.getClass().getClassLoader(); ResourcePatternResolver resolver = new PathMatchingResourcePatternResolver()

I need to map each txt file with its corresponding directory. That is why I approached this way. If you just need to get files and read you can do it like below. This will list everything under Conf directory.

Highest Rated Answer:

Try the following code. It can scan up the required files up to n levels which can be specified using maxDepth variable in following code

ResourcePatternResolver resolver = new PathMatchingResourcePatternResolver(cl); try {

```
// Finding a file upto x level in File Directory using NIO Files.find
                                                                        Path start = Paths.get('/Users/***/Documents/server_
```

Another way by using Files.walk methods as follows:

```
// Finding a file upto x level in File Directory using NIO Files.walk
                                                                       Path startWalk = Paths.get('/Users/***/Documents/se
```