Title: Spring Boot with POM packaging Agregator

Post Body:

Is it possible to use Spring Boots Maven plugin command `spring-boot:run` when the parent POM of the project is using packaging mode POM because of its children?

I have multi module maven project with a 'master' POM that is in it's turn a child of the Spring Boot Parent module. Looking something like this:

```
    <modelVersion>4.0.0</modelVersion>      <groupId>com.example</groupId>     <artifactId>project</artifactId>     <packaging
```

This is basically our 'master' POM which every child uses as it's parent. Now we want to perform the `spring-boot:run` command from the working directory this 'master' POM is in. Problem is, this generates a `ClassNotFoundException` which is odd since module1 (where this `Application` class is located) is included in the POM and mentioned as a module.

Using a single module maven project and `<packaging>jar</packaging>` this compiles and runs the Application class so it is not Spring-Boot that is not working right here.

What do I have to change to get this working or is it simply not possible to use the `spring-boot-maven-plugin` plugin when dealing with multi module Maven projects?

Sidenote: My Application class / Module 1 has the other modules as dependencies so keep this in mind when answering the question. Any suggestions on how to improve this are very appreciated.

Accepted Answer:

It is not possible, as far as I know, because the plugin requires an executable jar to run.

The docs for the spring-boot plugin goal "run" says:

> Description
>
> Run an executable archive application

Packaging pom is will not create an executable. It will only generate a pom.xml.

Try to run mvn install and look at the artifact deployed to your local repository:

I just did for a module I have with packaging pom:

```
[INFO] Installing C:\projects\boot-parent\pom.xml to  C:\Users\...\repository\no\boot-parent\0.0.1-SNAPSHOT\boot-parent-0.0.1-
```

As you can see the artifact is boot-parent-0.0.1-SNAPSHOT.pom.

Try putting the plugin-configuration in the pom for module1 which has the start-class (main-class) and has packaging jar.

Edit for your comment:

Your comment suggests that you have issues with your client side Maven installation. Have a look at this answer. And especially the answer given by @ChristianAchilli.

> I use to solve this issue by deleting the corresponding failed to download artifact directory in my local repo. Next time I run the maven command the artifact download is triggered again. Therefore I'd say it's a client side setting.

Again, hope this helps!

Thomas

Highest Rated Answer:

Make one module more where is only your Application inside. If you insert dependencies to your modules you can start your module normal with spring-boot:run or export as jar.

See your parent only as container.

Hope that work for you