Title: How to add a dependency to a Spring Boot Jar in another project?

Post Body:

I have a Spring Boot application and I have created a Jar out of that. Following is my `pom.xml`:

```
<dependencies>     <dependency>         <groupId>org.springframework.boot</groupId>         <artifactId>spring-boot-starter-we
```

I want to use this Jar in my other application so added this jar to my application. But when I am calling a method in that Jar, it is throwing a `ClassNotFoundException`.

How can I fix this issue? How can I add a dependency to a Spring Boot JAR?

Accepted Answer:

By default, Spring Boot repackages your JAR into an executable JAR, and it does that by putting all of your classes inside `BOOT-INF/classes`, and all of the dependent libraries inside `BOOT-INF/lib`. The consequence of creating this fat JAR is that you can no longer use it as a dependency for other projects.

From Custom repackage classifier:

> By default, the `repackage` goal will replace the original artifact with the repackaged one. That's a sane behaviour for modules that represent an app but if your module is used as a dependency of another module, you need to provide a classifier for the repackaged one.
>
> The reason for that is that application classes are packaged in `BOOT-INF/classes` so that the dependent module cannot load a repackaged jar's classes.

If you want to keep the original main artifact in order to use it as a dependency, you can add a `classifier` in the `repackage` goal configuration:

```
<plugin>   <groupId>org.springframework.boot</groupId>   <artifactId>spring-boot-maven-plugin</artifactId>   <version>1.4.1.RE
```

With this configuration, the Spring Boot Maven Plugin will create 2 JARs: the main one will be the same as a usual Maven project, while the second one will have the classifier appended and be the executable JAR.

Highest Rated Answer:

> If you are using `spring-boot-starter-parent`, such execution is already pre-configured with a `repackage` execution ID so that only the plugin definition should be added.

Spring Boot 3.x

```
<build>     <plugins>         <plugin>             <groupId>org.springframework.boot</groupId>             <artifactId>spring-
```

Read more

Spring Boot 2.x

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

Read more

Spring Boot 1.x

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

Read more