**Spring Boot**

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**Reference**

https://docs.spring.io/spring-boot/docs/current/reference/html/getting-started-first-application.html

**Points to remember**

1. **Uber Jars** - Java does not provide any standard way to load nested jar files (i.e. jar files that are themselves contained within a jar). This can be problematic if you are looking to distribute a self-contained application.

To solve this problem, many developers use “uber” jars. An uber jar simply packages all classes, from all jars, into a single archive. The problem with this approach is that it becomes hard to see which libraries you are actually using in your application. It can also be problematic if the same filename is used (but with different content) in multiple jars.

Some General definition from (http://stackoverflow.com/questions/11947037/what-is-an-uber-jar)

Über is the German word for above or over, as in a line from a previous national anthem: Deutschland, Deutschland, über alles (Germany, Germany above all else).

Hence, in this context, an uber-jar is an "over-jar", one level up from a simple "jar", defined as one that contains both your package *and* all its dependencies in one single JAR file. The name can be thought to come from the same stable as ultrageek, superman, hyperspace, and metadata, which all have similar meanings of "beyond the normal".

The advantage is that you can distribute your uber-jar and not care at all whether or not dependencies are installed at the destination, as your uber-jar actually *has* no dependencies.

All the dependencies of your own stuff within the uber-jar are *also* within that uber-jar.

1. To terminate the executed JAR

* Currently, I followed to kill the port used by that jar by using ,

C:\Users\pkalwar> netstat -o -n -a | findstr 0.0:8080.

TCP 0.0.0.0:8080 0.0.0.0:0 LISTENING 2068

C:\Users\pkalwar>taskkill /F /PID 2068

SUCCESS: The process with PID 2068 has been terminated.

1. If you look in the target directory you should see **myproject-0.0.1-SNAPSHOT.jar**. The file should be around 10 Mb in size. If you want to peek inside, you can use jar tvf:

$ jar tvf target/myproject-0.0.1-SNAPSHOT.jar

You should also see a much smaller file named **myproject-0.0.1-SNAPSHOT.jar.original** in the target directory. This is the original jar file that Maven created before it was repackaged by Spring Boot.

To run that application, use

java -jar <jar Name>