**Auto-configuration**

Spring Boot auto-configuration attempts to automatically configure your Spring application based on the

jar dependencies that you have added. For example, If HSQLDB is on your classpath, and you have

not manually configured any database connection beans, then we will auto-configure an in-memory

database.

You need to opt-in to auto-configuration by adding the @EnableAutoConfiguration or

@SpringBootApplication annotations to one of your @Configuration classes.

You should only ever add one @EnableAutoConfiguration annotation. We generally

recommend that you add it to your primary @Configuration class.

This annotation tries to find the beans that are necessary to run the application by looking at the classpath. or example, If you have tomcat-embedded.jar on your classpath you are likely to want a[TomcatEmbeddedServletContainerFactory](http://docs.spring.io/spring-boot/docs/current/api/org/springframework/boot/context/embedded/tomcat/TomcatEmbeddedServletContainerFactory.html) .

This annotation tells Spring

Boot to “guess” how you will want to configure Spring, based on the jar dependencies that you have

added.

The **@SpringBootApplication** annotation is equivalent to using **@Configuration**,

**@EnableAutoConfiguration** and **@ComponentScan** with their default attributes

Spring Boot also provides an optional Maven plugin to create executable

jars.

*<!-- Package as an executable jar -->*

**<build>**

**<plugins>**

**<plugin>**

**<groupId>**org.springframework.boot**</groupId>**

**<artifactId>**spring-boot-maven-plugin**</artifactId>**

**</plugin>**

**</plugins>**

**</build>**

Typically your Maven

POM file will inherit from the spring-boot-starter-parent.  If you use the parent, then version numbers can be omitted for other starters used in the POM.

*<!-- Inherit defaults from Spring Boot -->*

**<parent>**

**<groupId>**org.springframework.boot**</groupId>**

**<artifactId>**spring-boot-starter-parent**</artifactId>**

**<version>**1.3.0.BUILD-SNAPSHOT**</version>**

**</parent>**