# SpringBoot

# Spring module which provides RAD (Rapid Application Development) feature to Spring framework.

It is used to create stand alone spring based application that you can just run because it needs very little spring configuration.

Spring Boot does not generate code and there is absolutely no requirement for XML configuration.

It uses **convention** over configuration software design paradigm that means it decrease the effort of developer.

ADV:

* Create stand-alone Spring applications that can be **started using java -jar.**
* Embed Tomcat, Jetty or Undertow directly**. You don't need to deploy WAR files.**
* It provides **opinionated 'starter' POMs** to simplify your Maven configuration.
* It **automatically configure Spring** whenever possible.
* It provides production-ready features such as **metrics, health checks and externalized configuration**.
* Absolutely no code generation and no requirement for XML configuration.

SPRING maven project

Pom.xml

<project xmlns=*"http://maven.apache.org/POM/4.0.0"* xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"* xsi:schemaLocation=*"http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd"*>

<modelVersion>4.0.0</modelVersion>

<groupId>com.pract</groupId>

<artifactId>spring-boot-example</artifactId>

<version>0.0.1-SNAPSHOT</version>

<name>hc spring boot example 1</name>

//parent

<parent>

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

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

<version>1.4.2.RELEASE</version>

</parent>

//spring boot dpeendency

<dependencies>

<dependency>

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

<artifactId>spring-boot-starter-web</artifactId>

</dependency>

</dependencies>

//spring dependencies

<repositories>

<repository>

<id>spring-snapshots</id>

<url>http://repo.spring.io/snapshot</url>

<snapshots><enabled>true</enabled></snapshots>

</repository>

<repository>

<id>spring-milestones</id>

<url>http://repo.spring.io/milestone</url>

</repository>

</repositories>

<pluginRepositories>

<pluginRepository>

<id>spring-snapshots</id>

<url>http://repo.spring.io/snapshot</url>

</pluginRepository>

<pluginRepository>

<id>spring-milestones</id>

<url>http://repo.spring.io/milestone</url>

</pluginRepository>

</pluginRepositories>

<properties>

<java.version>1.8</java.version>

</properties>

</project>