

Spring Professional Exam Tutorial v5.0

Question 01

Question 01 - What is Spring Boot?

Spring Boot is a Java Framework that allows you to easily create stand-alone, production-grade Spring based Java Applications. It is often used in Microservice Architecture because of simplicity that it allows.

Applications created with Spring Boot can be executed with simple `java -jar` command and also allows traditional `war` deployment. Spring Boot supports following embedded containers:

- ▶ Tomcat
- ▶ Jetty
- ▶ Undertow

Simplicity of deployment and execution has many advantages, for example, it allows for Dev/Prod parity (<https://12factor.net/>) which increases product quality.

Spring Boot provides number of features that can be used to fulfill non-functional requirements for the project (externalized configuration, security, metrics, health checks).

Question 01 - What is Spring Boot?

Spring Boot provides many modules under common umbrella:

- ▶ Spring Boot DevTools - live-reload to speed-up development
- ▶ Spring Boot Actuator - monitoring and management of application
- ▶ Spring Boot Starters - dependency set for technologies to minimize setup time
- ▶ Spring Boot Autoconfiguration - configuration templates for technologies to minimize setup time

On top of it, you can use all Spring Framework technologies, like:

- ▶ Spring Web - Spring MVC Framework
- ▶ Template Engines - server side rendering engines for web pages
- ▶ Spring Security - authentication and authorization framework
- ▶ Spring Data MongoDB - NoSQL database client
- ▶ ... and many more

