





Spring Boot for Microservices: Operation

In this lesson, we'll be looking at how the Spring framework handles the operation of microservices.

Let's begin!

We'll cover the following

- Operation
 - Deployment in Spring
 - Configuration in Spring
 - Logs in Spring
 - Metrics in Spring

Operation

Spring Boot also has some interesting approaches for operation.

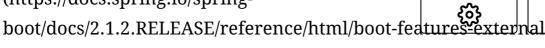
Deployment in Spring

To deploy a Spring Boot application, it is enough to just copy the JAR
file to the server and start it. Deploying a Java application can't be
further simplified.

Configuration in Spring

• Spring Boot offers numerous options for the configuration

(https://docs.spring.io/spring-





config.html). For example, a **Spring Boot** application can read the configuration from a configuration file or from an environment variable. **Spring Cloud** offers support for **Consul** as a server for configurations. The examples in this course use application.properties files for configuration because they are relatively easy to handle.

Logs in Spring

• Spring Boot applications can generate logs
(https://docs.spring.io/springboot/docs/2.1.2.RELEASE/reference/html/boot-features-logging.html)
in many different ways. Usually, a Spring Boot application displays
the logs in the console. Output to a file is also possible. A Spring Boot
application can also send the logs as **JSON** data to a central server
instead of using a simple human-readable text format. JSON
facilitates the processing of log data on this server.

Metrics in Spring

• For metrics, Spring Boot offers a **special starter**, namely the Actuator (https://docs.spring.io/spring-boot/docs/2.1.2.RELEASE/reference/html/production-ready.html). After adding a dependency to spring-boot-starter-actuator, the application collects metrics, for example about the HTTP requests. In addition, **Spring Boot Actuator** provides **REST endpoints** under which the metrics are available as JSON documents.

QUI





A spring boot application can NOT read configuration from
A) a configuration file
B) environment variables
C) events
Submit Answer Question 1 of 5 0 attempted Reset Quiz C

In the *next lesson*, we'll discuss Spring Boot with regards to resilience and the creation of new microservices.

Stay tuned!



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