

Spring Boot Crash Course

Spring Boot

Spring Boot is part of the Spring Framework

Spring Framework is an integration Framework

Spring Boot accelerates the development of applications by autoconfiguration and the use of conventions

Spring webapp utan Spring Boot

- Projektstruktur
- Dependencies (Servlet API, Spring MVC)
- web.xml (eller WebApplicationInitializer)
- Spring konfiguration (som konfigurerar Spring MVC)
- Controller klass (som svarar på HTTP-anrop)
- Servlet Container (som t ex Tomcat)

En Spring-webapp i en tweet

```
@RestController  
class ThisWillActuallyRun {  
  
    @RequestMapping("/")  
    String home() {  
        return "Hello Academy!"  
    }  
}
```

```
spring run app.groovy
```

Spring Boot Java-applikation

```
@RestController
@SpringBootApplication
public class DemoApplication {

    @RequestMapping("/")
    String home() {
        return "Hello Academy!";
    }

    public static void main(String[] args) {
        SpringApplication.run(DemoApplication.class, args);
    }
}
```

Magin bakom Spring Boot

- Automatisk konfiguration (konventioner, dependencies)
- Starter dependencies (maven eller gradle)
- Actuator (metrics, insikter om vad som händer)
- Command Line Interface

Spring Boot

A Spring Boot project can be generated at start.spring.io or by using a plugin in IntelliJ IDEA Ultimate

The generated project gives you:

- Project structure
- Dependencies
- Starter Class
- Embedded Servlet Container

Demo and exercises

Let's do a demo and then exercises!