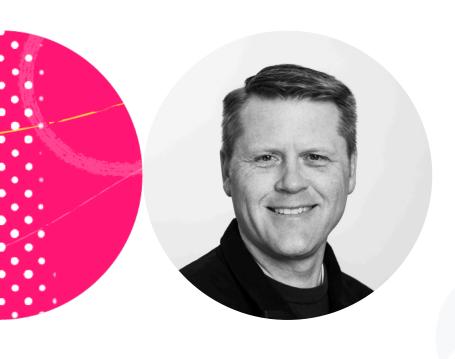
# Understanding the Spring Boot Way

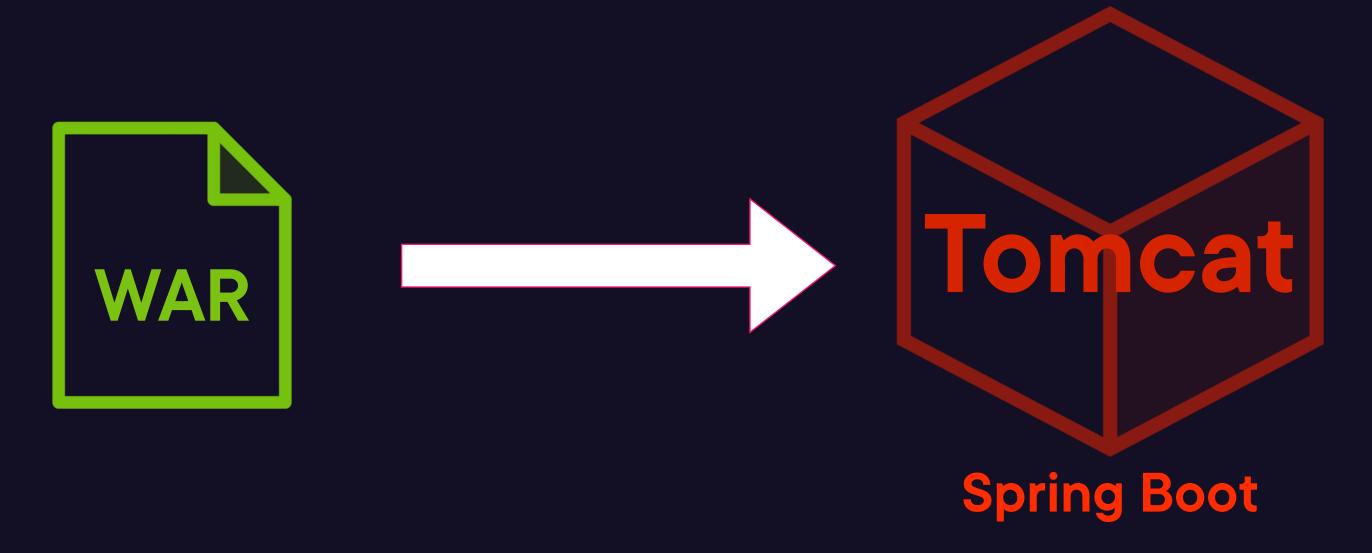


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# Just a Java App, Nothing More

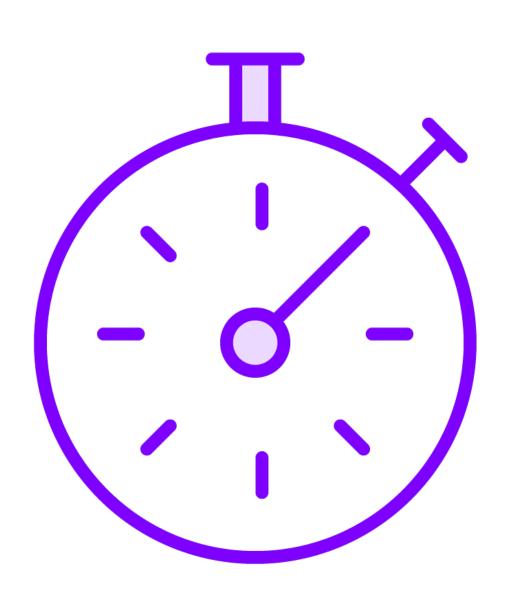


```
public static void main(String[] args) {
    SpringApplication.run(MyApplication.class, args);
}
```

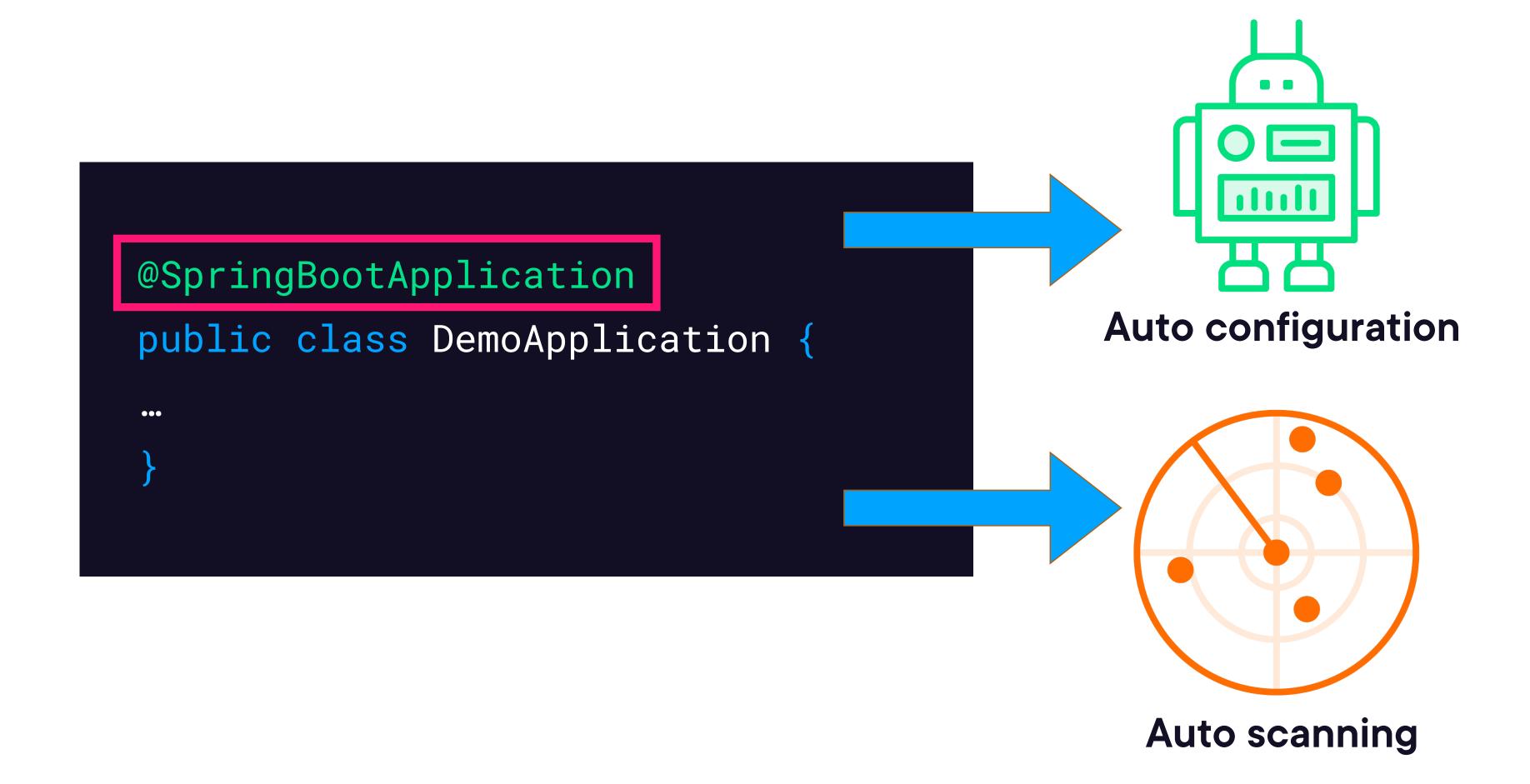
## Structure and Dependency Management

```
<parent>
    <groupId>org.springframework.boot
    <artifactId>spring-boot-starter-parent</artifactId>
    <version>3.1.2
    <relativePath/>
</parent>
    <dependency>
        <groupId>org.springframework.boot
        <artifactId>spring-boot-starter-data-jpa</artifactId>
    </dependency>
    <dependency>
        <groupId>org.springframework.boot
        <artifactId>spring-boot-starter-web</artifactId>
    </dependency>
```

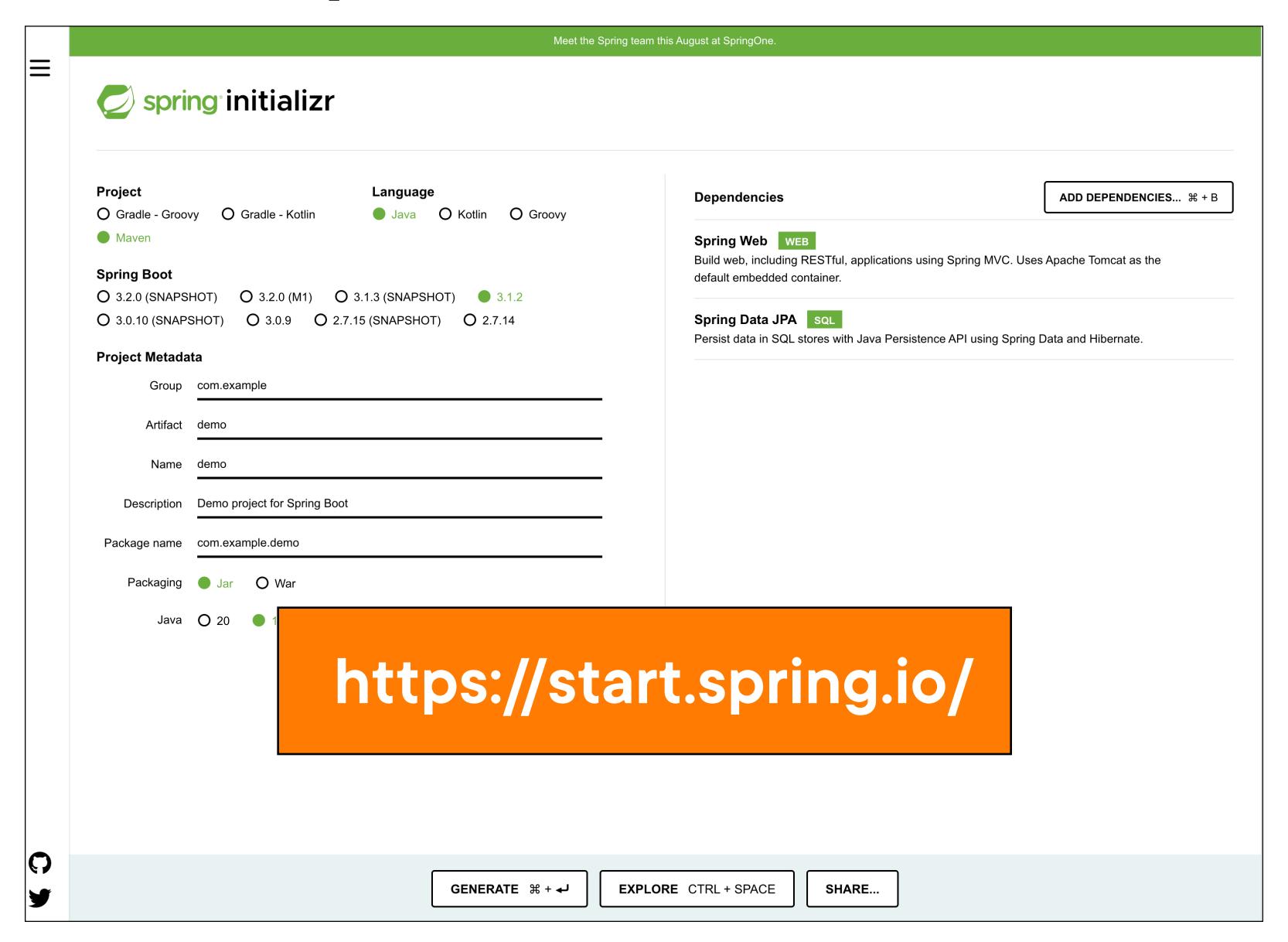
# Opinionated Auto-configuration



Follow or customize?



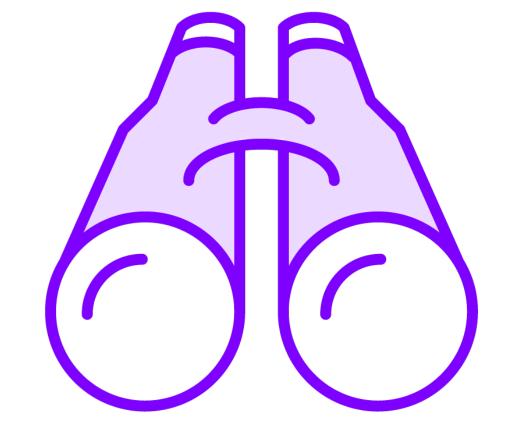
# Spring Boot's Emphasis on Time to Market



#### Monitoring, Health Checks, and Metrics

spring-boot-starter-actuator

**Spring Boot 3 Observability** 



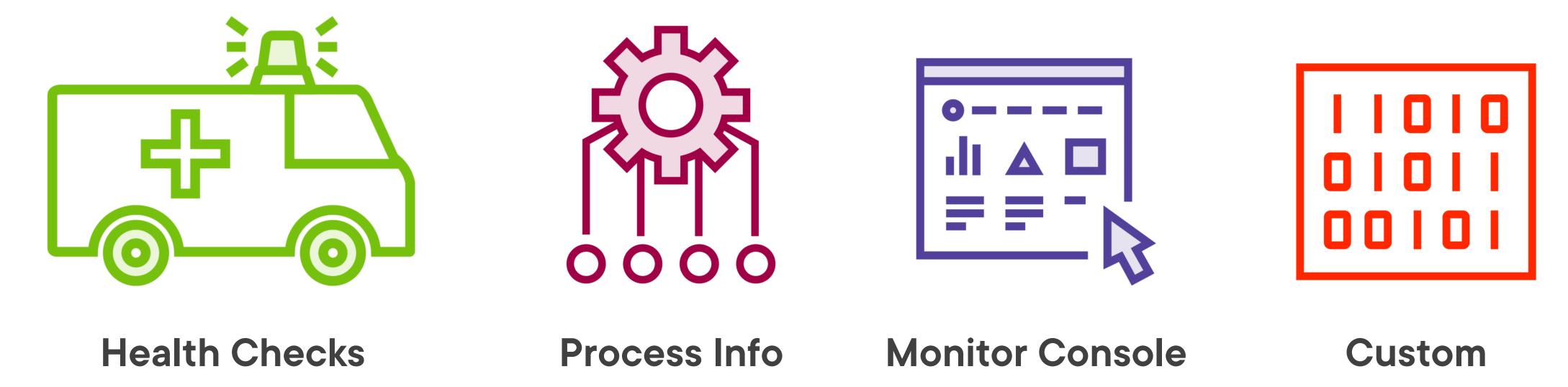
@Observed

# Actuator

A manufacturing term that refers to a mechanical device for moving or controlling something. Actuators can generate a large amount of motion from a small change

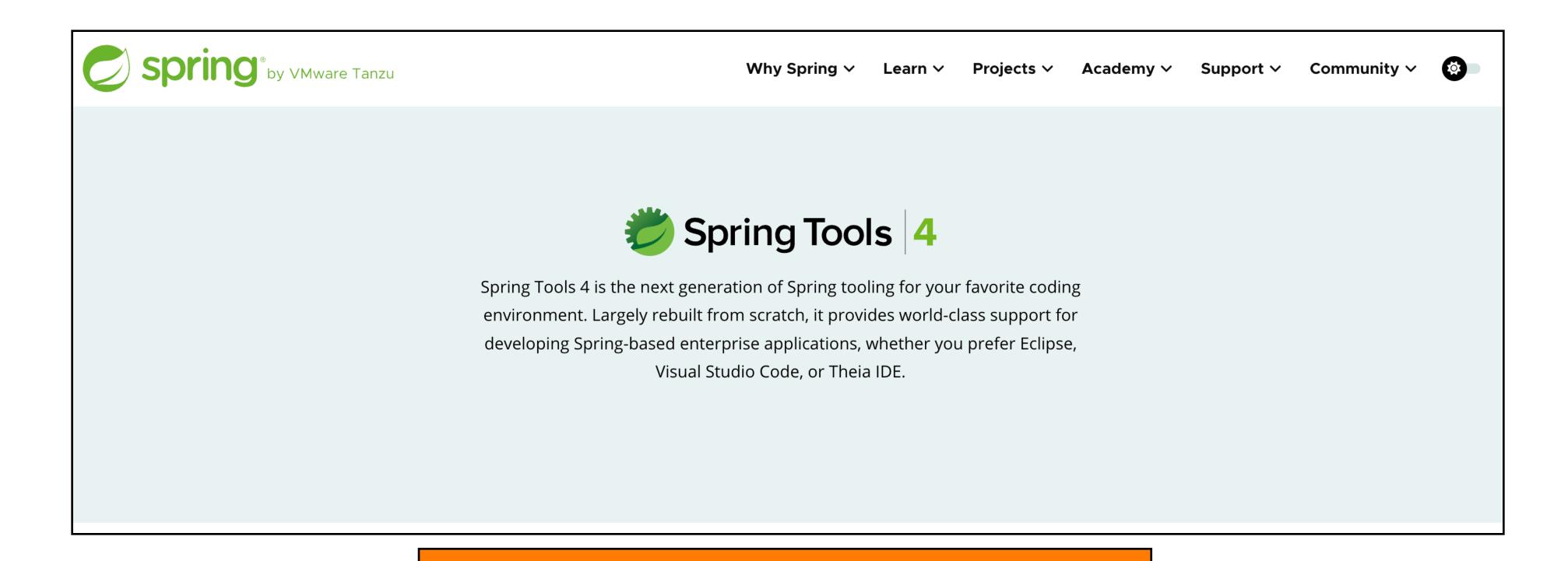
#### Monitoring, Health Checks, and Metrics

spring-boot-starter-actuator



spring-boot-admin-starter-server

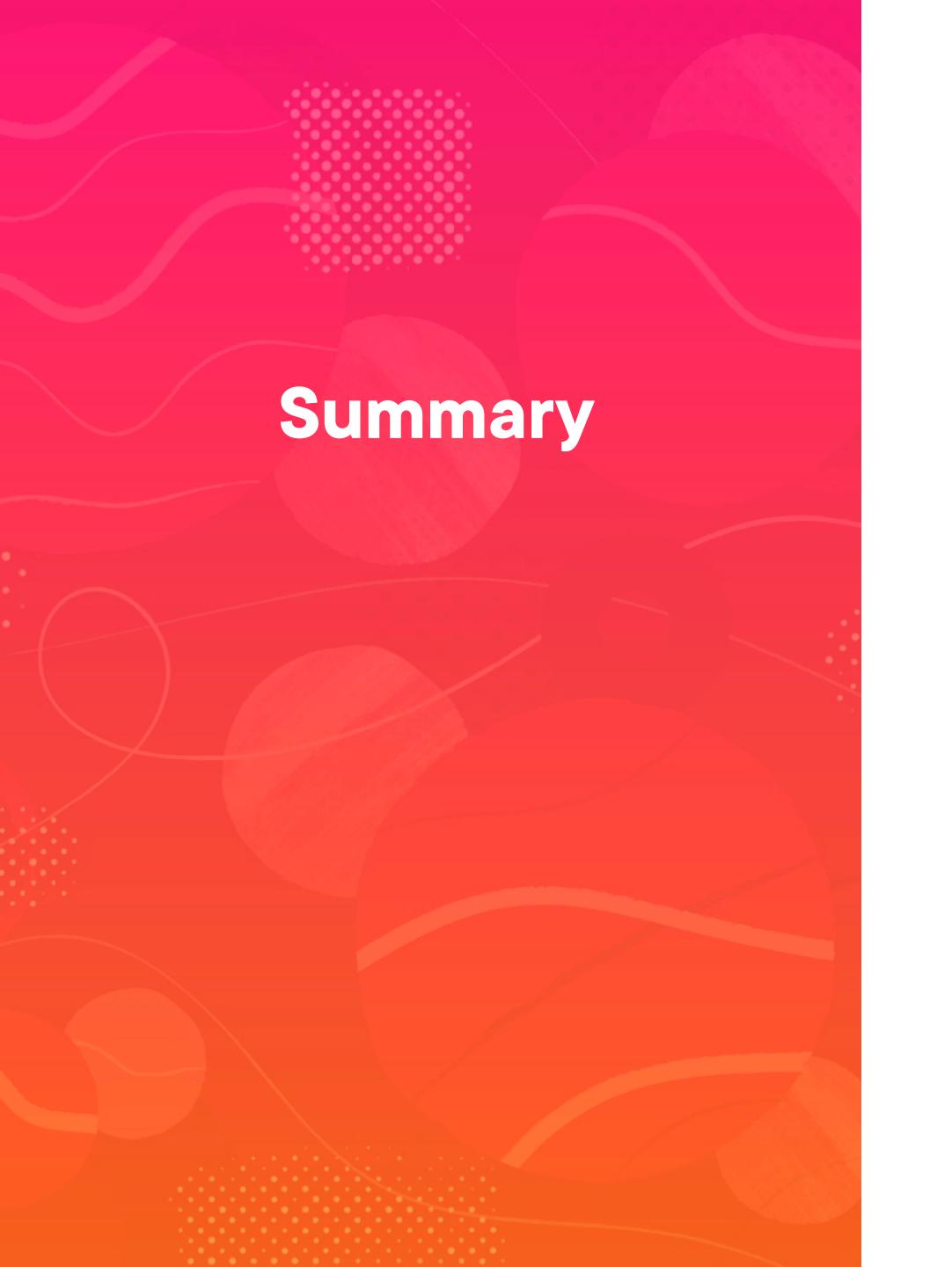
## Tools to Be Successful with Spring Boot



https://spring.io/tools

```
// pom.xml (Maven builds)
<dependency>
  <groupId>org.springframework.boot
  <artifactId>spring-boot-devtools</artifactId>
  <scope>runtime</scope>
  <optional>true</optional>
</dependency>
  build.gradle (Gradle builds)
dependencies {
  developmentOnly("org.springframework.boot:
  spring-boot-devtools")
```

- Automatic restart
- Live reload
- Property defaults
- Global settings
- Remote applications



Plain old Java app

Dependency management and auto configuration

Spring Boot helps build apps quickly

Monitoring and dev tools