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Spring Boot

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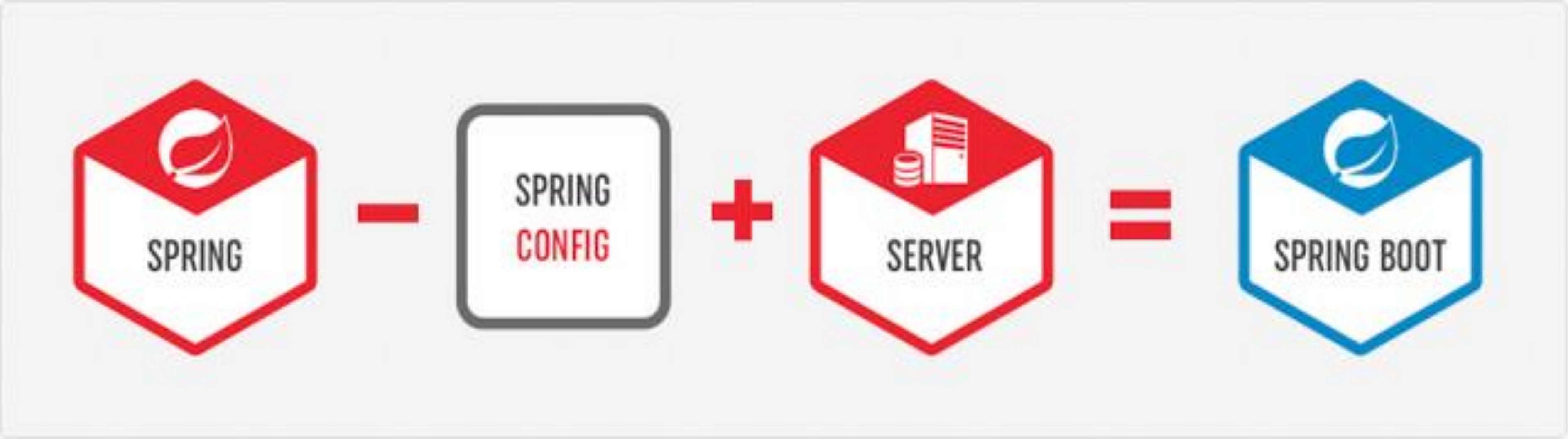
Agenda

- What is Spring Boot?
- Spring Boot History
- Why Spring Boot
- Spring Boot Components
- How to use Spring Boot
- Different annotations in Spring Boot
- Demo

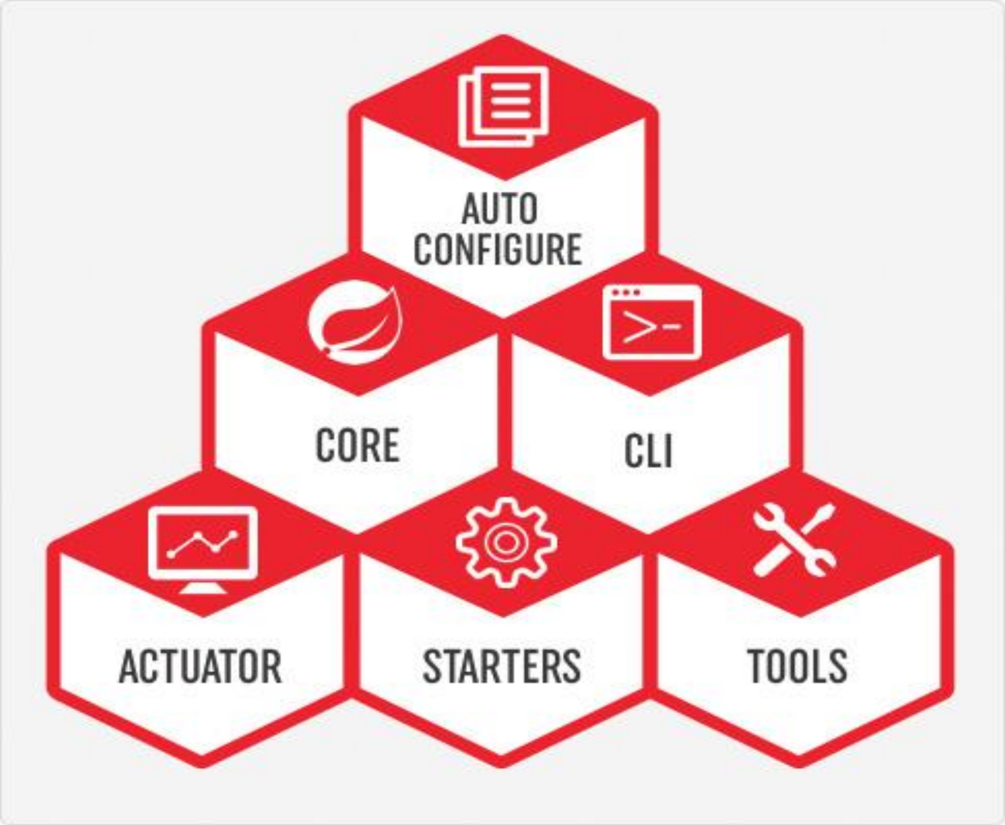
What is Spring Boot ?

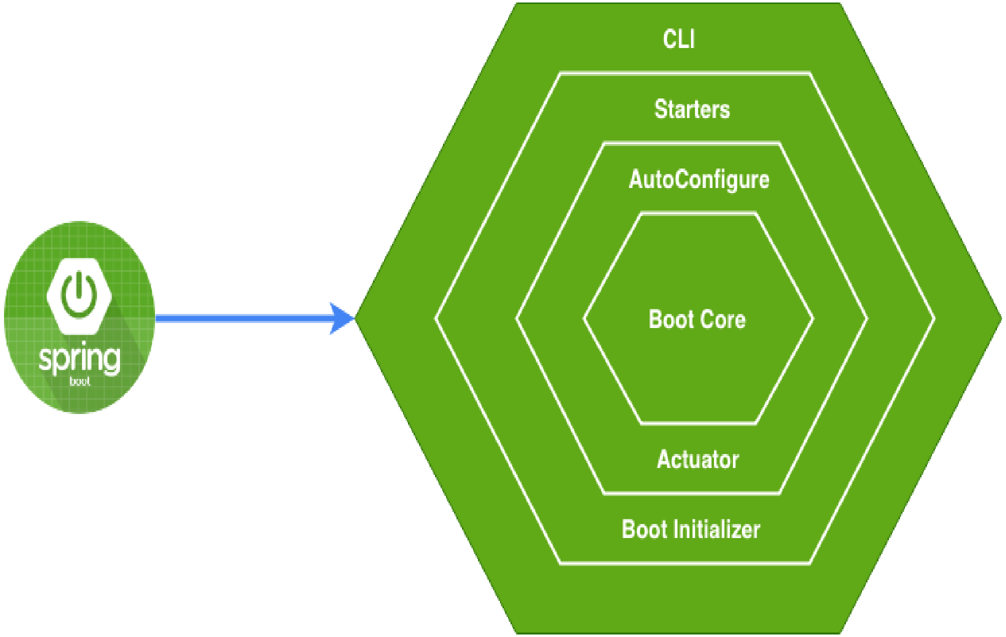


Why Spring Boot

- Convention over configuration
- Standardization for Microservices
- Integrated Server for Development
- Cloud Support
- Adapt & Support for 3rd Party Library

Spring Boot Components





Spring Boot Auto Configure

- Module to auto configure a wide range of Spring projects. It will detect availability of certain frameworks (Spring Batch, Spring Data JPA, Hibernate, JDBC).
- When detected it will try to auto configure that framework with some sensible defaults, which in general can be overridden by configuration in an application.properties/yml file.

Spring Boot Core

- The base for other modules, but it also provides some functionality that can be used on its own, eg. using command line arguments and YAML files as Spring Environment property sources and automatically binding environment properties to Spring bean properties (with validation).

Spring Boot CLI

- A command line interface, based on ruby, to start/stop spring boot created applications.

Spring Boot Actuator

- This project, when added, will enable certain enterprise features (Security, Metrics, Default Error pages) to your application. As the auto configure module it uses auto detection to detect certain frameworks/features of your application.For an example, you can see all the REST Services defined in a web application using Actuator.

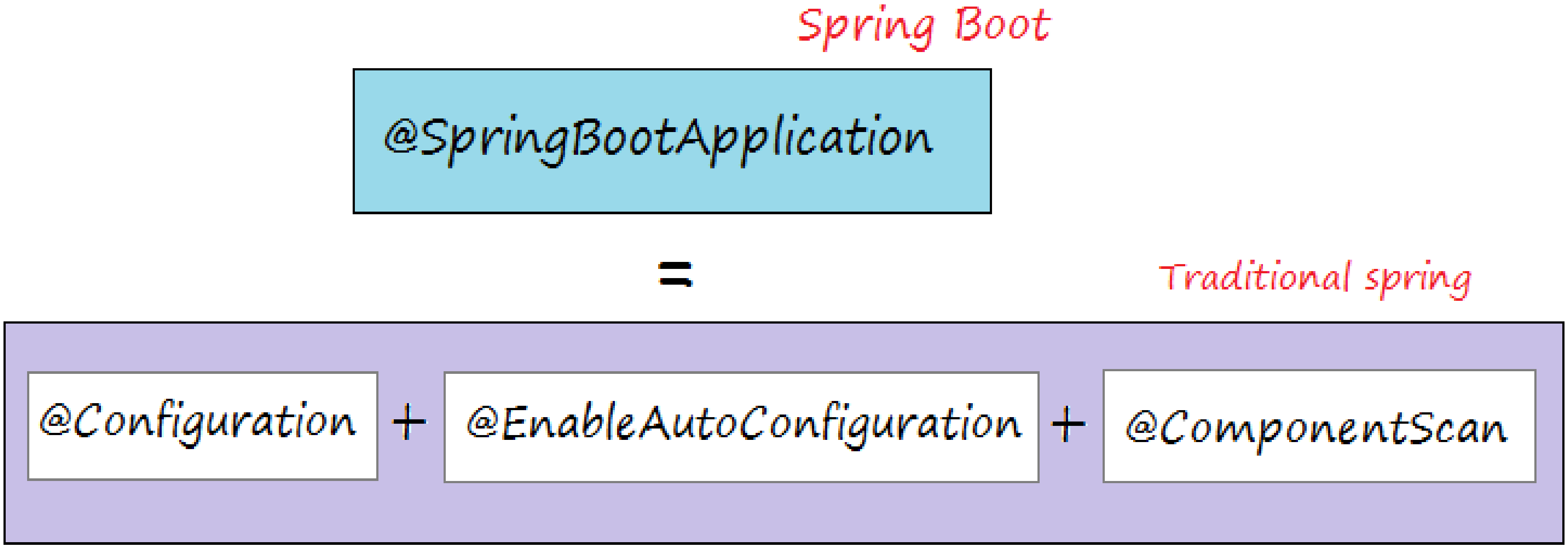
Spring Boot Starters

- Different quick start projects to include as a dependency in your maven or gradle build file. It will have the needed dependencies for that type of application. Currently there are many starter projects (We will learn about few of them in the next section) and many more are expected to be added.

Spring Boot Tools

- The Maven and Gradle build tool as well as the custom Spring Boot Loader (used in the single executable jar/war) is included in this project.

@SpringBootApplication



Spring Boot

@SpringBootApplication

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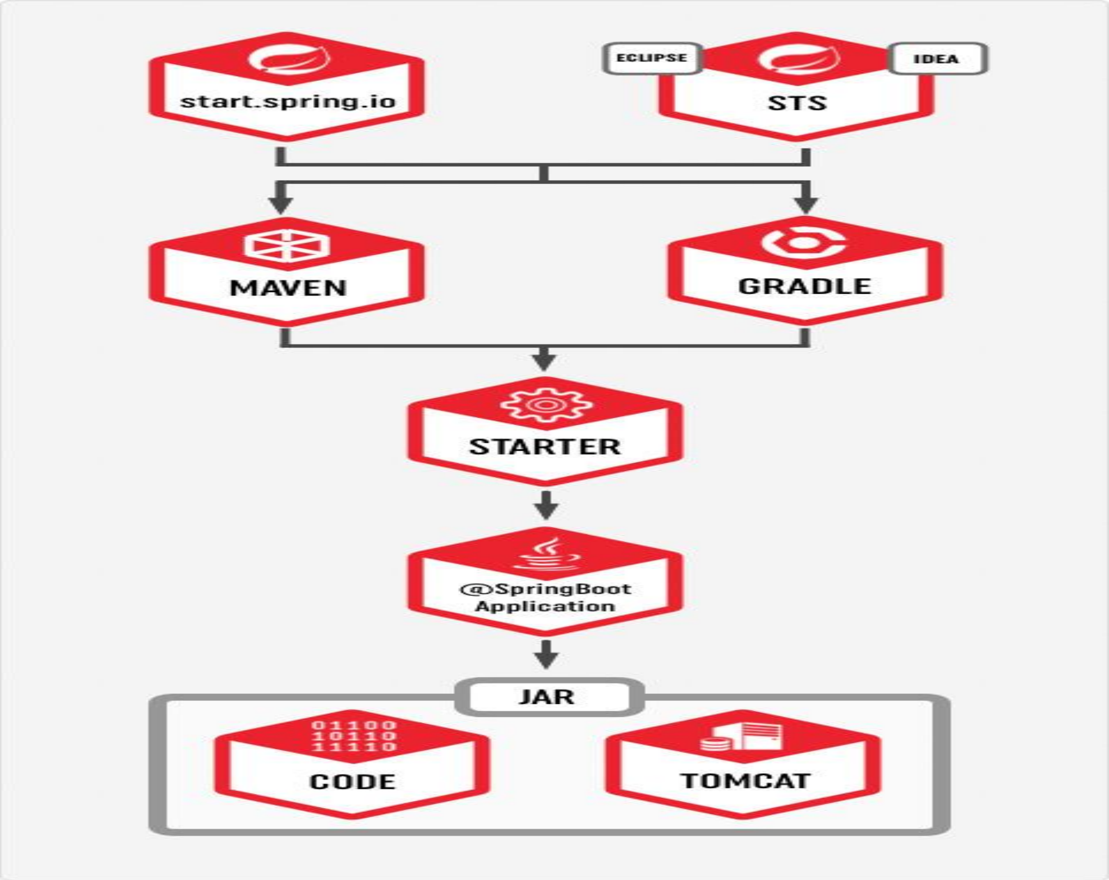
Traditional spring

@Configuration + @EnableAutoConfiguration + @ComponentScan

How to use Spring Boot



Any questions ?

Thank You!

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