

# **INTRODUCTION TO SPRING BOOT**

# SPRING BOOT

Used to make stand-alone, production-ready applications

Opinionated  
way for rapid  
application  
development

Develops the  
application in  
less time

All the information is available in: <http://spring.io>

# GOALS OF SPRING BOOT

Quickly creates production grade application

Provides opinionated way

Provides non-functional features

No code generation

No XML configuration

# FEATURES OF SPRING BOOT

Allows you to create a project using Spring Initializer

Allows you to build all types of project

Does not compromise with the security

Supports spring security and Actuator

Configured to use default logging frameworks

# FEATURES OF SPRING BOOT

Supports SQL and NoSQL database

Has inbuilt Server Support

Increases Developers productivity

Supports XML, XHTML, HTML5 and Thymeleaf

Supports Groovy and Grails

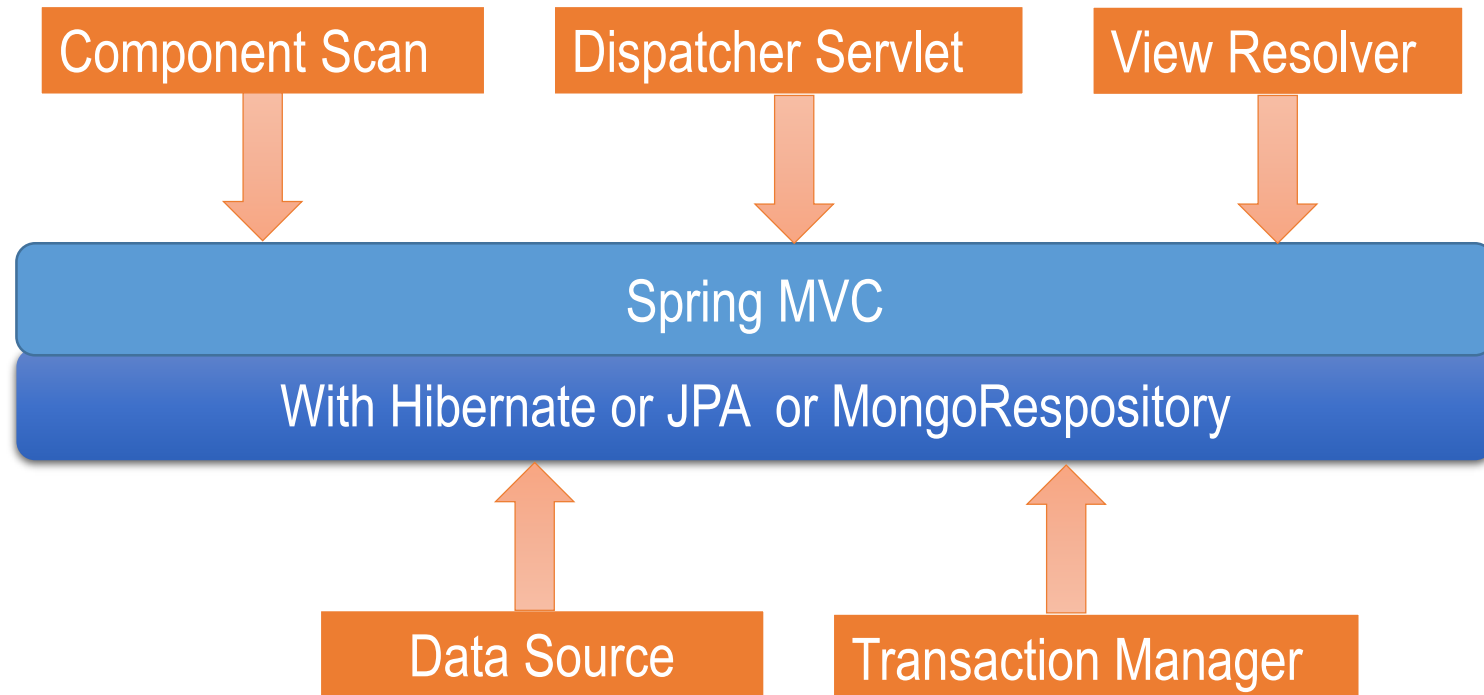
# FEATURES OF SPRING BOOT

## Spring Boot Command Line Interface (CLI)

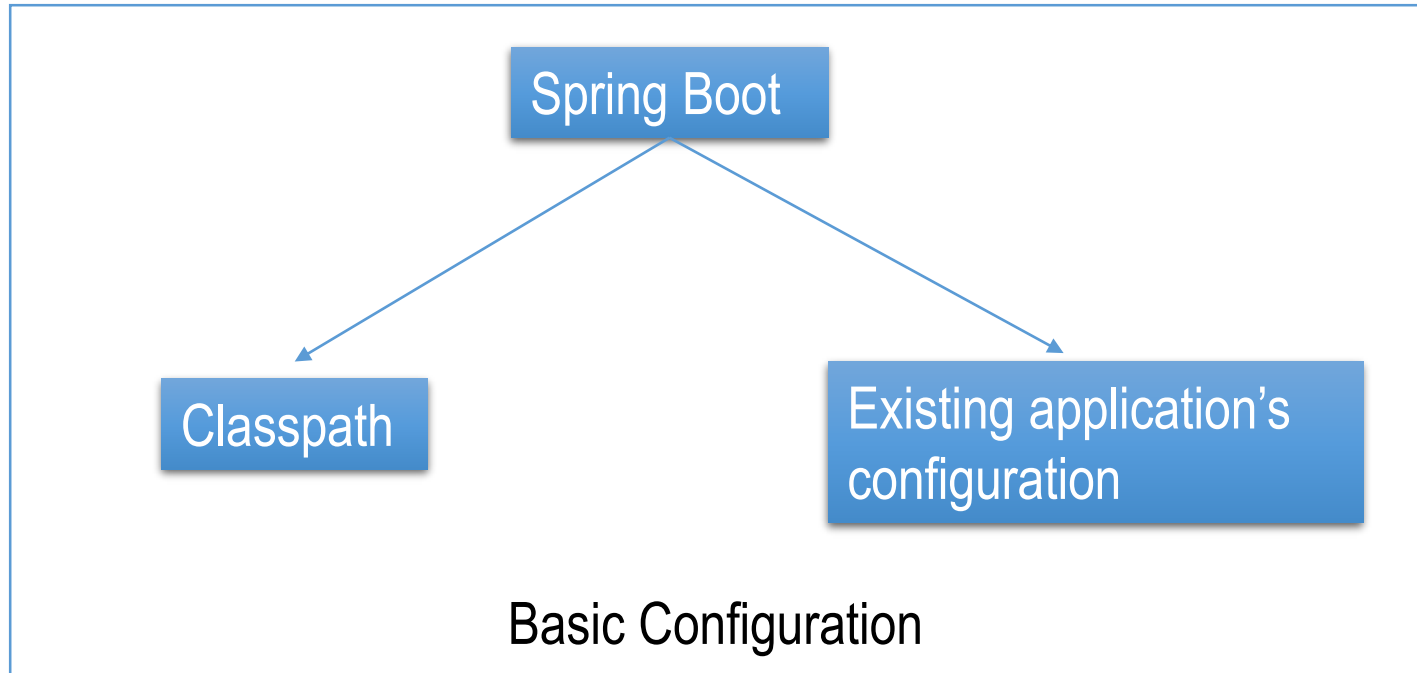
- Command line tool used to prototype with Spring
- Executes Groovy files
- Downloaded from Spring official website
- Used to run Spring Boot Application

# SPRING BOOT AUTO CONFIGURATION

Spring applications need heavy configuration.



# SPRING BOOT AUTO CONFIGURATION



## Example

Hibernate jar file → class path, it automatically configures the Data Source.

Configure Dispatcher Servlet

Use `@EnableAutoConfiguration`



# ACTUATOR

Actuator provides production ready features to our application.

It is used to highlight operational information about the application.

Monitoring the  
application

Collecting  
metrics

Understanding  
traffic

State of the  
database

# ACTUATOR

Creates production grade tools

## Common end-points

/info

/beans

/env

/trace

/dump

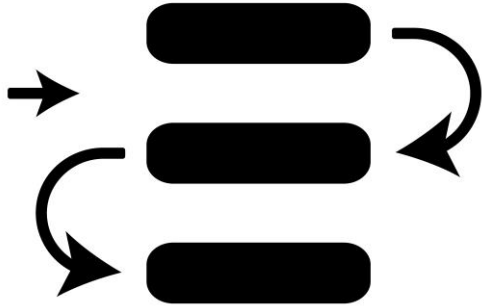
/metrics

/health

Adds common Non  
Functional Requirement into  
Spring Boot

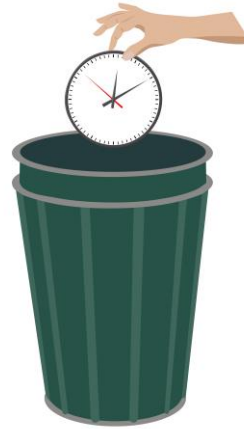
Enables MVC end-points for  
interaction

# STARTERS



Dependency management

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Waste of time

Spring Boot

# STARTERS

Spring boot provides a number of starters.

Few types  
of starter

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spring-boot-starter-web

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spring-boot-starter-test

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spring-boot-starter-jdbc

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spring-boot-starter-jpa

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# SPRING BOOT – COMPLETE PICTURE

