**Spring Boot**

Pom Entry

<parent>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-parent</artifactId>

<version>1.3.1.RELEASE</version>

</parent>

pring-boot-starter-web – is going to integrate spring MVC and auto configure

<dependencies>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-web</artifactId>

</dependency>

</dependencies>

* Spring Boot runs just like regular java main
* To enable spring boot we need to add an annotation @SpringBootApplication
* @RestController is nothing but @controller to make class as controller to application
* Spring boot initialisers
  + <https://start.spring.io/> - Web
  + Spring Boot CLI – Command line
* Spring boot does not have web.xml
* Since no deployment descriptor can run anywhere no need configuration its very useful for cloud deployments
* The application along with spring boot, direct the embedded servlet
* you can still deploy spring boot into containers

|  |  |
| --- | --- |
| public static void main( ... ) | Starts Java and then the  application |
| @SpringBootApplication | A convenience annotation that  wraps commonly used  annotations with Spring Boot |
| @Configuration  @EnableAutoConfiguration  @ComponentScan | Spring configuration on startup  Auto configures frameworks  Scans project for Spring  components |
| SpringApplication.run( ... ); | Starts Spring, creates spring  context, applies annotations  and sets up container |

Spring Boot Static Serving – means apply the updated changes without restarting application

for simple text no need extra set-up but to if you write any logic need setup Grunt or gulp to continuously update the UI Content

Customise the auto configuration integration points of spring boot using the application properties

* application.properties // you can use YAML instead of properties
* logging.level.***org.springframework.web***= DUBUG

//it means set the logging level for the package

* Depend on environment profile configuration
* Spring Boot Profile arguments

-Dspring.profiles.active=test

* for more application properties search for **common-application-properties**

**DBA Boot**

<!-- https://mvnrepository.com/artifact/org.springframework.boot/spring-boot-starter-data-jpa -->

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-data-jpa</artifactId>

<version>2.0.0.RELEASE</version>

</dependency>

<!-- https://mvnrepository.com/artifact/com.h2database/h2 -->

<dependency>

<groupId>com.h2database</groupId>

<artifactId>h2</artifactId>

<version>1.4.196</version>

<scope>test</scope>

</dependency>

DB Pooling Settings

spring.datasource.**max-active=10**

spring.datasource.max-idle=8

spring.datasource.max-wait=10000

spring.datasource.min-evictable-idle-time-millis=1000

spring.datasource.min-idle=8

spring.datasource.time-between-eviction-runs-millis=1

FLYWAY-DB concepts wes higbee