# 今日大纲

1. 了解Spring的发展
2. 掌握Spring的java配置方式
3. 学习Spring Boot
4. 使用Spring Boot来改造购物车系统

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# Spring的发展

## Spring1.x 时代

在Spring1.x时代，都是通过xml文件配置bean，随着项目的不断扩大，需要将xml配置分放到不同的配置文件中，需要频繁的在java类和xml配置文件中切换。

## Spring2.x时代

随着JDK 1.5带来的注解支持，Spring2.x可以使用注解对Bean进行申明和注入，大大的减少了xml配置文件，同时也大大简化了项目的开发。

那么，问题来了，究竟是应该使用xml还是注解呢？

最佳实践：

1. 应用的基本配置用xml，比如：数据源、资源文件等；
2. 业务开发用注解，比如：Service中注入bean等；

## Spring3.x到Spring4.x

从Spring3.x开始提供了Java配置方式，使用Java配置方式可以更好的理解你配置的Bean，现在我们就处于这个时代，并且Spring4.x和Spring boot都推荐使用java配置的方式。

# Spring的Java配置方式

Java配置是Spring4.x推荐的配置方式，可以完全替代xml配置。

## @Configuration 和 @Bean

Spring的Java配置方式是通过 @Configuration 和 @Bean 这两个注解实现的：

1、@Configuration 作用于类上，相当于一个xml配置文件；

2、@Bean 作用于方法上，相当于xml配置中的<bean>；

## 示例

该示例演示了通过Java配置的方式进行配置Spring，并且实现了Spring IOC功能。

### 创建工程以及导入依赖

<project xmlns=*"http://maven.apache.org/POM/4.0.0"* xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"*

xsi:schemaLocation=*"http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd"*>

<modelVersion>4.0.0</modelVersion>

<groupId>cn.itcast.springboot</groupId>

<artifactId>itcast-springboot</artifactId>

<version>1.0.0-SNAPSHOT</version>

<packaging>war</packaging>

<dependencies>

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-webmvc</artifactId>

<version>4.3.7.RELEASE</version>

</dependency>

<!-- 连接池 -->

<dependency>

<groupId>com.jolbox</groupId>

<artifactId>bonecp-spring</artifactId>

<version>0.8.0.RELEASE</version>

</dependency>

</dependencies>

<build>

<finalName>${project.artifactId}</finalName>

<plugins>

<!-- 资源文件拷贝插件 -->

<plugin>

<groupId>org.apache.maven.plugins</groupId>

<artifactId>maven-resources-plugin</artifactId>

<configuration>

<encoding>UTF-8</encoding>

</configuration>

</plugin>

<!-- java编译插件 -->

<plugin>

<groupId>org.apache.maven.plugins</groupId>

<artifactId>maven-compiler-plugin</artifactId>

<configuration>

<source>1.7</source>

<target>1.7</target>

<encoding>UTF-8</encoding>

</configuration>

</plugin>

</plugins>

<pluginManagement>

<plugins>

<!-- 配置Tomcat插件 -->

<plugin>

<groupId>org.apache.tomcat.maven</groupId>

<artifactId>tomcat7-maven-plugin</artifactId>

<version>2.2</version>

</plugin>

</plugins>

</pluginManagement>

</build>

</project>

### 编写User对象

**public** **class** User {

**private** String username;

**private** String password;

**private** Integer age;

**public** String getUsername() {

**return** username;

}

**public** **void** setUsername(String username) {

**this**.username = username;

}

**public** String getPassword() {

**return** password;

}

**public** **void** setPassword(String password) {

**this**.password = password;

}

**public** Integer getAge() {

**return** age;

}

**public** **void** setAge(Integer age) {

**this**.age = age;

}

}

### 编写UserDAO 用于模拟与数据库的交互

**public** **class** UserDAO {

**public** List<User> queryUserList(){

List<User> result = **new** ArrayList<User>();

// 模拟数据库的查询

**for** (**int** i = 0; i < 10; i++) {

User user = **new** User();

user.setUsername("username\_" + i);

user.setPassword("password\_" + i);

user.setAge(i + 1);

result.add(user);

}

**return** result;

}

}

### 编写UserService 用于实现User数据操作业务逻辑

@Service

**public** **class** UserService {

@Autowired // 注入Spring容器中的bean对象

**private** UserDAO userDAO;

**public** List<User> queryUserList() {

// 调用userDAO中的方法进行查询

**return** **this**.userDAO.queryUserList();

}

}

### 编写SpringConfig 用于实例化Spring容器

@Configuration //通过该注解来表明该类是一个Spring的配置，相当于一个xml文件

@ComponentScan(basePackages = "cn.itcast.springboot.javaconfig") //配置扫描包

**public** **class** SpringConfig {

@Bean // 通过该注解来表明是一个Bean对象，相当于xml中的<bean>

**public** UserDAO getUserDAO(){

**return** **new** UserDAO(); // 直接new对象做演示

}

}

### 编写测试方法 用于启动Spring容器

**public** **class** Main {

**public** **static** **void** main(String[] args) {

// 通过Java配置来实例化Spring容器

AnnotationConfigApplicationContext context = **new** AnnotationConfigApplicationContext(SpringConfig.**class**);

// 在Spring容器中获取Bean对象

UserService userService = context.getBean(UserService.**class**);

// 调用对象中的方法

List<User> list = userService.queryUserList();

**for** (User user : list) {

System.***out***.println(user.getUsername() + ", " + user.getPassword() + ", " + user.getPassword());

}

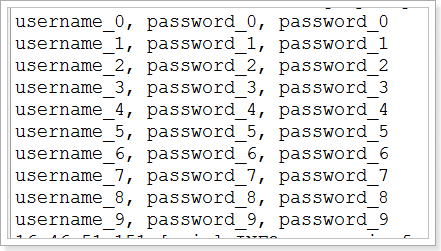
// 销毁该容器

context.destroy();

}

}

### 测试效果



### 小结

从以上的示例中可以看出，使用Java代码就完美的替代xml配置文件，并且结构更加的清晰。

## 实战

### 读取外部的资源配置文件

通过@PropertySource可以指定读取的配置文件，通过@Value注解获取值，具体用法：

@Configuration //通过该注解来表明该类是一个Spring的配置，相当于一个xml文件

@ComponentScan(basePackages = "cn.itcast.springboot.javaconfig") //配置扫描包

@PropertySource(value= {"classpath:jdbc.properties"})

**public** **class** SpringConfig {

@Value("${jdbc.url}")

**private** String jdbcUrl;

@Bean // 通过该注解来表明是一个Bean对象，相当于xml中的<bean>

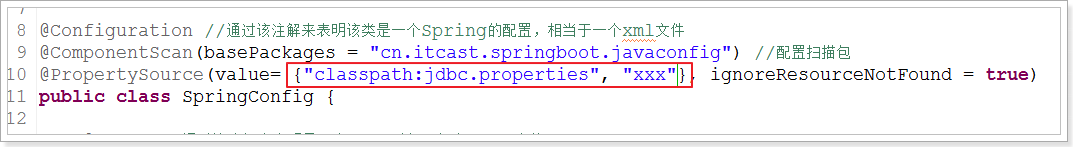
**public** UserDAO getUserDAO(){

**return** **new** UserDAO(); // 直接new对象做演示

}

}

思考：

1. 如何配置多个配置文件？  
   
2. 如果配置的配置文件不存在会怎么样？  
   

### 配置数据库连接池

导入依赖：

<!-- 连接池 -->

<dependency>

<groupId>com.jolbox</groupId>

<artifactId>bonecp-spring</artifactId>

<version>0.8.0.RELEASE</version>

</dependency>

之前的Spring xml配置：

<!-- 定义数据源 -->

<bean id=*"dataSource"* class=*"com.jolbox.bonecp.BoneCPDataSource"*

destroy-method=*"close"*>

<!-- 数据库驱动 -->

<property name=*"driverClass"* value=*"${jdbc.driverClassName}"* />

<!-- 相应驱动的jdbcUrl -->

<property name=*"jdbcUrl"* value=*"${jdbc.url}"* />

<!-- 数据库的用户名 -->

<property name=*"username"* value=*"${jdbc.username}"* />

<!-- 数据库的密码 -->

<property name=*"password"* value=*"${jdbc.password}"* />

<!-- 检查数据库连接池中空闲连接的间隔时间，单位是分，默认值：240，如果要取消则设置为0 -->

<property name=*"idleConnectionTestPeriod"* value=*"60"* />

<!-- 连接池中未使用的链接最大存活时间，单位是分，默认值：60，如果要永远存活设置为0 -->

<property name=*"idleMaxAge"* value=*"30"* />

<!-- 每个分区最大的连接数 -->

<!--

判断依据：请求并发数

-->

<property name=*"maxConnectionsPerPartition"* value=*"100"* />

<!-- 每个分区最小的连接数 -->

<property name=*"minConnectionsPerPartition"* value=*"5"* />

</bean>

参考xml配置改造成java配置方式：

@Value("${jdbc.url}")

**private** String jdbcUrl;

@Value("${jdbc.driverClassName}")

**private** String jdbcDriverClassName;

@Value("${jdbc.username}")

**private** String jdbcUsername;

@Value("${jdbc.password}")

**private** String jdbcPassword;

@Bean(destroyMethod = "close")

**public** DataSource dataSource() {

BoneCPDataSource boneCPDataSource = **new** BoneCPDataSource();

// 数据库驱动

boneCPDataSource.setDriverClass(jdbcDriverClassName);

// 相应驱动的jdbcUrl

boneCPDataSource.setJdbcUrl(jdbcUrl);

// 数据库的用户名

boneCPDataSource.setUsername(jdbcUsername);

// 数据库的密码

boneCPDataSource.setPassword(jdbcUsername);

// 检查数据库连接池中空闲连接的间隔时间，单位是分，默认值：240，如果要取消则设置为0

boneCPDataSource.setIdleConnectionTestPeriodInMinutes(60);

// 连接池中未使用的链接最大存活时间，单位是分，默认值：60，如果要永远存活设置为0

boneCPDataSource.setIdleMaxAgeInMinutes(30);

// 每个分区最大的连接数

boneCPDataSource.setMaxConnectionsPerPartition(100);

// 每个分区最小的连接数

boneCPDataSource.setMinConnectionsPerPartition(5);

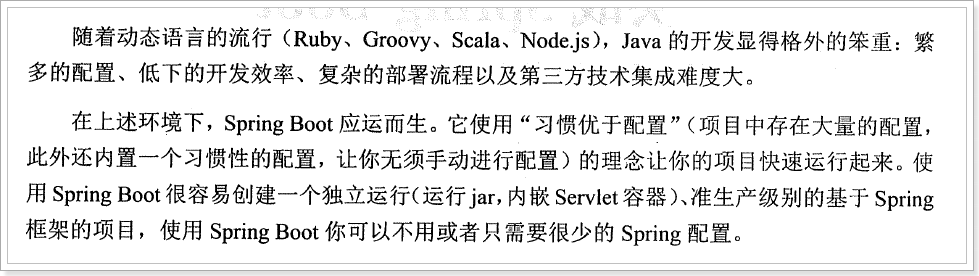
**return** boneCPDataSource;

}

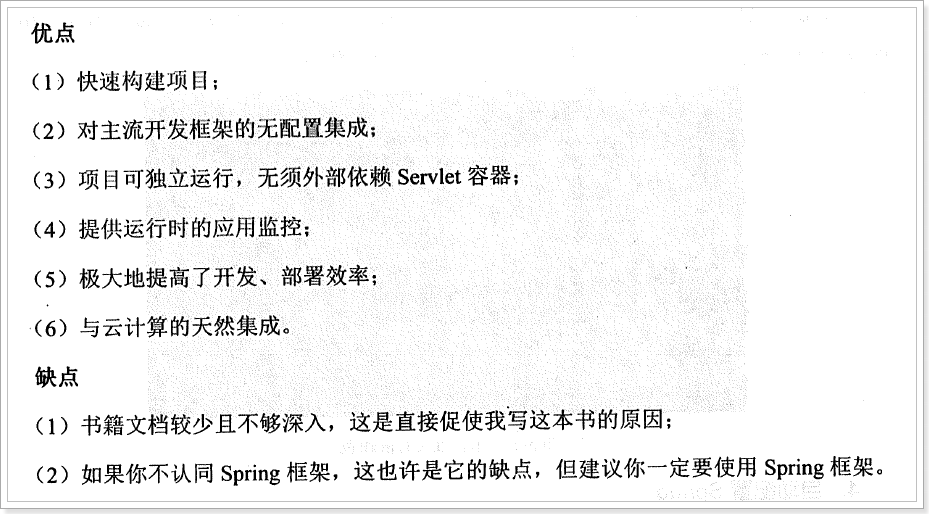
思考： 如何使用该DataSource对象？

# Spring Boot

## 什么是Spring Boot



## Spring Boot的优缺点



## 快速入门

### 设置spring boot的parent

<parent>

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

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

<version>1.5.2.RELEASE</version>

</parent>

说明：Spring boot的项目必须要将parent设置为spring boot的parent，该parent包含了大量默认的配置，大大简化了我们的开发。

### 导入spring boot的web支持

<dependency>

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

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

</dependency>

### 添加Spring boot的插件

<plugin>

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

<artifactId>spring-boot-maven-plugin</artifactId>

</plugin>

### 编写第一个Spring Boot的应用

@Controller

@SpringBootApplication

@Configuration

**public** **class** HelloApplication {

@RequestMapping("hello")

@ResponseBody

**public** String hello(){

**return** "hello world！";

}

**public** **static** **void** main(String[] args) {

SpringApplication.*run*(HelloApplication.**class**, args);

}

}

代码说明：

1、@SpringBootApplication：Spring Boot项目的核心注解，主要目的是开启自动配置。；

2、@Configuration：这是一个配置Spring的配置类；

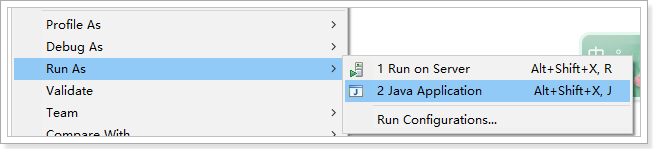
3、@Controller：标明这是一个SpringMVC的Controller控制器；

4、main方法：在main方法中启动一个应用，即：这个应用的入口；

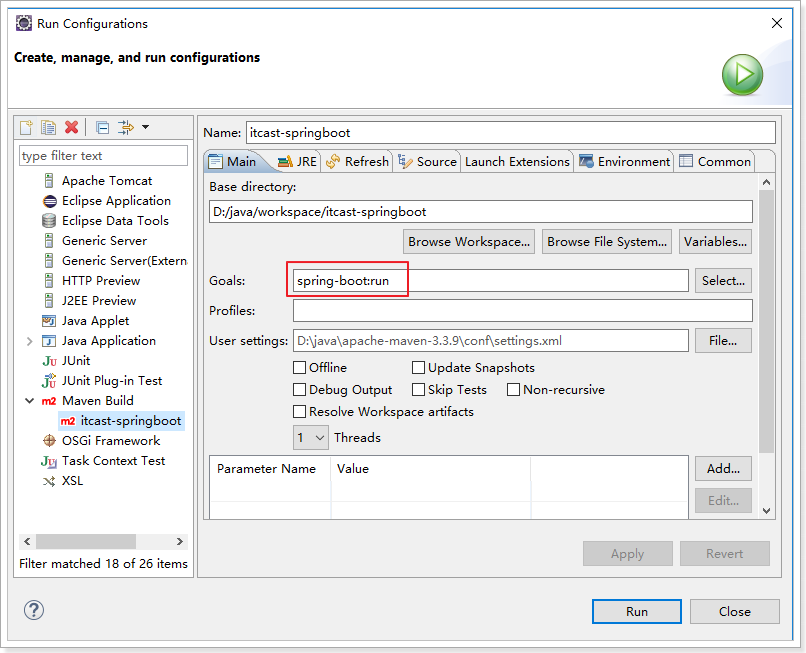
### 启动应用

在Spring Boot项目中，启动的方式有两种，一种是直接run Java Application另外一种是通过Spring Boot的Maven插件运行。

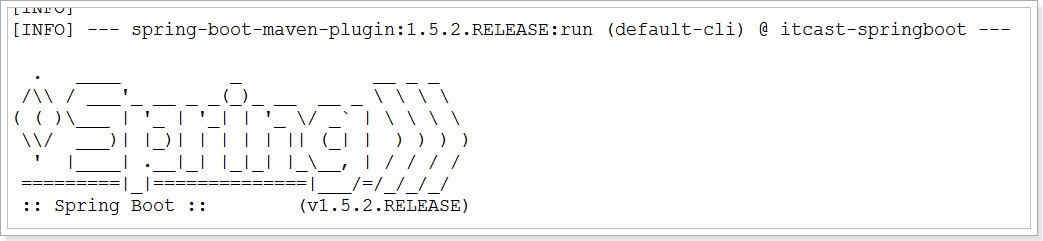
第一种：



第二种：



启动效果：

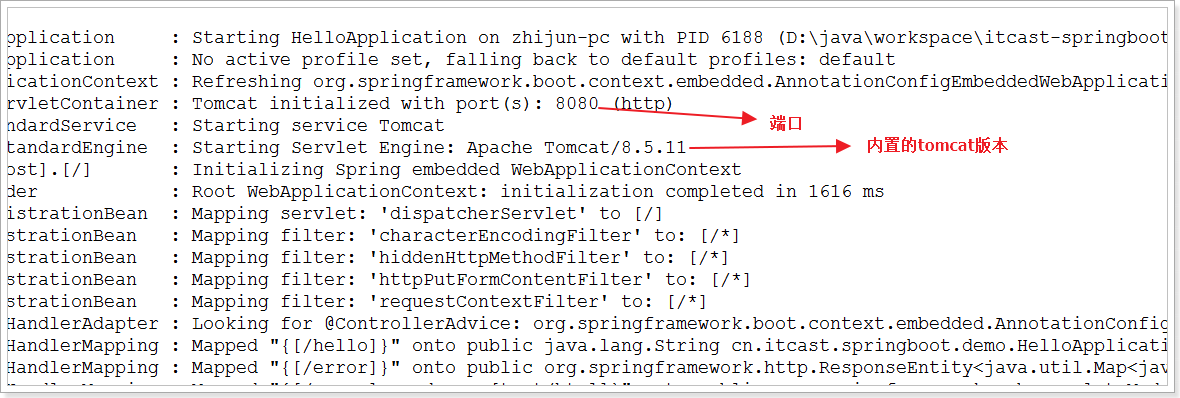


看到如下信息就说明启动成功了：

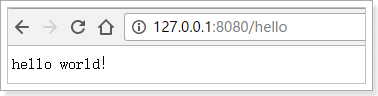
INFO 6188 --- [ main] c.i.springboot.demo.HelloApplication : Started HelloApplication in 3.281 seconds (JVM running for 3.601)

### 测试

打开浏览器，输入地址：



效果：



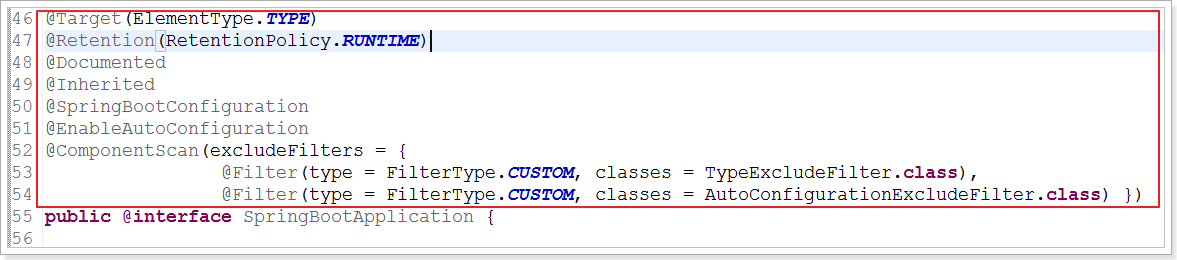
是不是很Easy?

## Spring Boot的核心

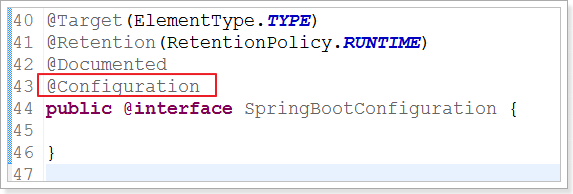
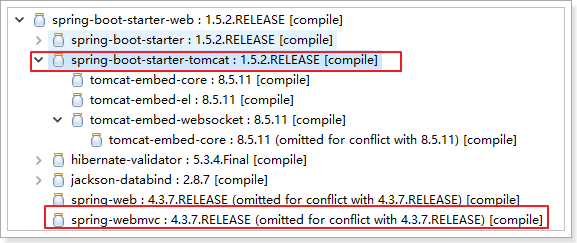
### 入口类和@SpringBootApplication

Spring Boot的项目一般都会有\*Application的入口类，入口类中会有main方法，这是一个标准的Java应用程序的入口方法。

@SpringBootApplication注解是Spring Boot的核心注解，它其实是一个组合注解：

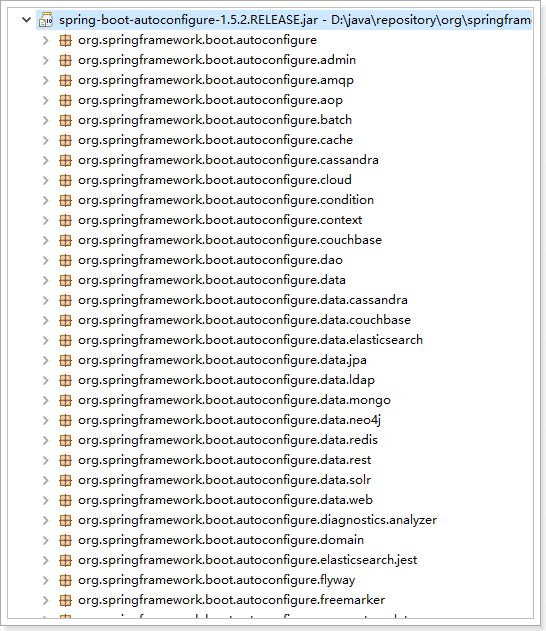


该注解主要组合了以下注解：

1. @SpringBootConfiguration：这是Spring Boot项目的配置注解，这也是一个组合注解：  
     
   在Spring Boot项目中推荐使用@ SpringBootConfiguration替代@Configuration
2. @EnableAutoConfiguration：启用自动配置，该注解会使Spring Boot根据项目中依赖的jar包自动配置项目的配置项：
   1. 如：我们添加了spring-boot-starter-web的依赖，项目中也就会引入SpringMVC的依赖，Spring Boot就会自动配置tomcat和SpringMVC  
      
3. @ComponentScan：默认扫描@SpringBootApplication所在类的同级目录以及它的子目录。

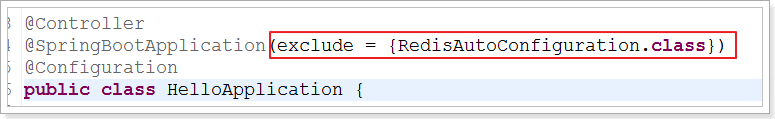
### 关闭自动配置

通过上述，我们得知，Spring Boot会根据项目中的jar包依赖，自动做出配置，Spring Boot支持的自动配置如下（非常多）：



如果我们不需要Spring Boot自动配置，想关闭某一项的自动配置，该如何设置呢？

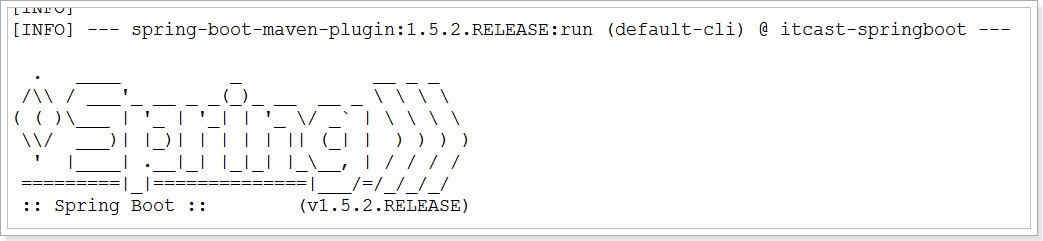
比如：我们不想自动配置Redis，想手动配置。



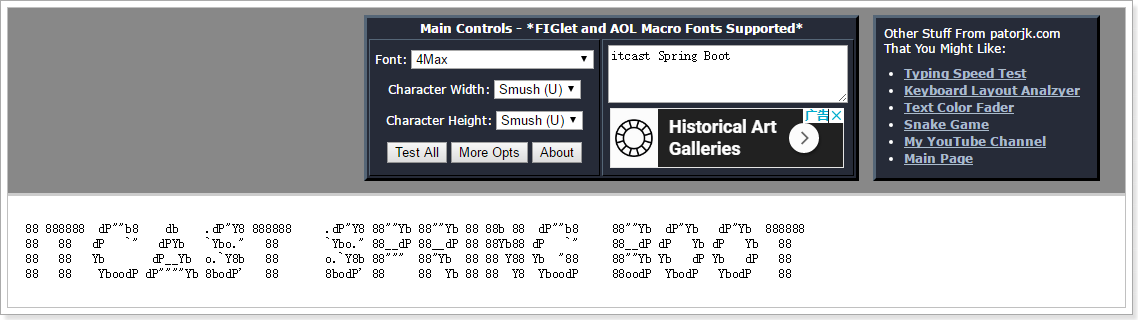
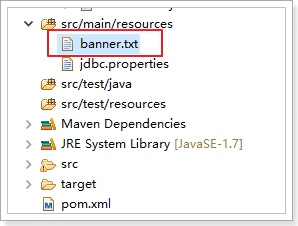
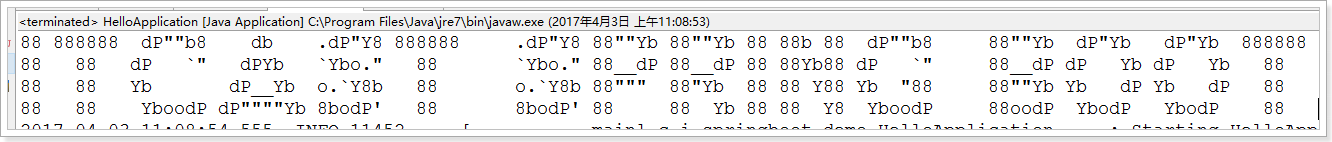
当然了，其他的配置就类似了。

### 自定义Banner

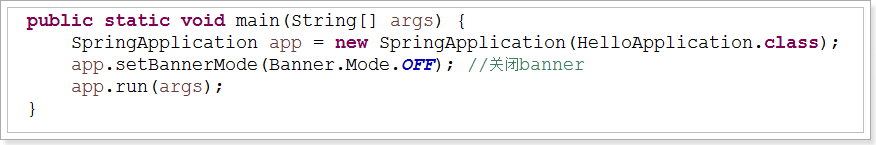
启动Spring Boot项目后会看到这样的图案：



这个图片其实是可以自定义的：

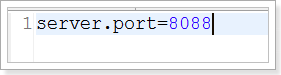
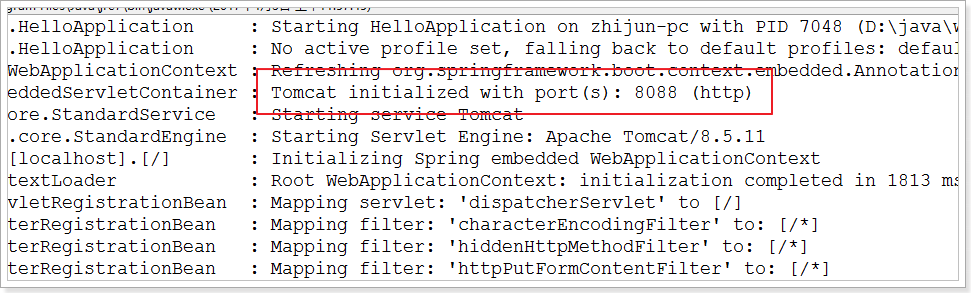
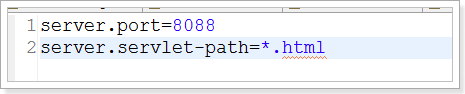
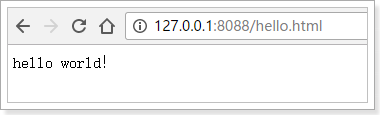
1. 打开网站：<http://patorjk.com/software/taag/#p=display&h=3&v=3&f=4Max&t=itcast%20Spring%20Boot>  
   
2. 拷贝生成的字符到一个文本文件中，并且将该文件命名为banner.txt
3. 将banner.txt拷贝到项目的resources目录中：  
   
4. 重新启动程序，查看效果：  
     
     
   好像没有默认的好看啊！！！

如果不想看到任何的banner，也是可以将其关闭的：



### 全局配置文件

Spring Boot项目使用一个全局的配置文件application.properties或者是application.yml，在resources目录下或者类路径下的/config下，一般我们放到resources下。

1. 修改tomcat的端口为8088  
     
   重新启动应用，查看效果：  
   
2. 修改进入DispatcherServlet的规则为：\*.html  
     
   测试：  
     
   

更多的配置：

*# ===================================================================*

*# COMMON SPRING BOOT PROPERTIES*

*#*

*# This sample file is provided as a guideline. Do NOT copy it in its*

*# entirety to your own application. ^^^*

*# ===================================================================*

*# ----------------------------------------*

*# CORE PROPERTIES*

*# ----------------------------------------*

*# BANNER*

banner.charset=UTF-8 *# Banner file encoding.*

banner.location=classpath:banner.txt *# Banner file location.*

banner.image.location=classpath:banner.gif *# Banner image file location (jpg/png can also be used).*

banner.image.width= *# Width of the banner image in chars (default 76)*

banner.image.height= *# Height of the banner image in chars (default based on image height)*

banner.image.margin= *# Left hand image margin in chars (default 2)*

banner.image.invert= *# If images should be inverted for dark terminal themes (default false)*

*# LOGGING*

logging.config= *# Location of the logging configuration file. For instance `classpath:logback.xml` for Logback*

logging.exception-conversion-word=%wEx *# Conversion word used when logging exceptions.*

logging.file= *# Log file name. For instance `myapp.log`*

logging.level.\*= *# Log levels severity mapping. For instance `logging.level.org.springframework=DEBUG`*

logging.path= *# Location of the log file. For instance `/var/log`*

logging.pattern.console= *# Appender pattern for output to the console. Only supported with the default logback setup.*

logging.pattern.file= *# Appender pattern for output to the file. Only supported with the default logback setup.*

logging.pattern.level= *# Appender pattern for log level (default %5p). Only supported with the default logback setup.*

logging.register-shutdown-hook=false *# Register a shutdown hook for the logging system when it is initialized.*

*# AOP*

spring.aop.auto=true *# Add @EnableAspectJAutoProxy.*

spring.aop.proxy-target-class=false *# Whether subclass-based (CGLIB) proxies are to be created (true) as opposed to standard Java interface-based proxies (false).*

*# IDENTITY (*[ContextIdApplicationContextInitializer](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot/src/main/java/org/springframework/boot/context/ContextIdApplicationContextInitializer.java))

spring.application.index= *# Application index.*

spring.application.name= *# Application name.*

*# ADMIN (*[SpringApplicationAdminJmxAutoConfiguration](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/admin/SpringApplicationAdminJmxAutoConfiguration.java))

spring.application.admin.enabled=false *# Enable admin features for the application.*

spring.application.admin.jmx-name=org.springframework.boot:type=Admin,name=SpringApplication *# JMX name of the application admin MBean.*

*# AUTO-CONFIGURATION*

spring.autoconfigure.exclude= *# Auto-configuration classes to exclude.*

*# SPRING CORE*

spring.beaninfo.ignore=true *# Skip search of BeanInfo classes.*

*# SPRING CACHE (*[CacheProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/cache/CacheProperties.java))

spring.cache.cache-names= *# Comma-separated list of cache names to create if supported by the underlying cache manager.*

spring.cache.caffeine.spec= *# The spec to use to create caches. Check CaffeineSpec for more details on the spec format.*

spring.cache.couchbase.expiration=0 *# Entry expiration in milliseconds. By default the entries never expire.*

spring.cache.ehcache.config= *# The location of the configuration file to use to initialize EhCache.*

spring.cache.guava.spec= *# The spec to use to create caches. Check CacheBuilderSpec for more details on the spec format.*

spring.cache.infinispan.config= *# The location of the configuration file to use to initialize Infinispan.*

spring.cache.jcache.config= *# The location of the configuration file to use to initialize the cache manager.*

spring.cache.jcache.provider= *# Fully qualified name of the CachingProvider implementation to use to retrieve the JSR-107 compliant cache manager. Only needed if more than one JSR-107 implementation is available on the classpath.*

spring.cache.type= *# Cache type, auto-detected according to the environment by default.*

*# SPRING CONFIG - using environment property only (*[ConfigFileApplicationListener](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot/src/main/java/org/springframework/boot/context/config/ConfigFileApplicationListener.java))

spring.config.location= *# Config file locations.*

spring.config.name=application *# Config file name.*

*# HAZELCAST (*[HazelcastProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/hazelcast/HazelcastProperties.java))

spring.hazelcast.config= *# The location of the configuration file to use to initialize Hazelcast.*

*# PROJECT INFORMATION (*[ProjectInfoProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/info/ProjectInfoProperties.java))

spring.info.build.location=classpath:META-INF/build-info.properties *# Location of the generated build-info.properties file.*

spring.info.git.location=classpath:git.properties *# Location of the generated git.properties file.*

*# JMX*

spring.jmx.default-domain= *# JMX domain name.*

spring.jmx.enabled=true *# Expose management beans to the JMX domain.*

spring.jmx.server=mbeanServer *# MBeanServer bean name.*

*# Email (*[MailProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/mail/MailProperties.java))

spring.mail.default-encoding=UTF-8 *# Default MimeMessage encoding.*

spring.mail.host= *# SMTP server host. For instance `smtp.example.com`*

spring.mail.jndi-name= *# Session JNDI name. When set, takes precedence to others mail settings.*

spring.mail.password= *# Login password of the SMTP server.*

spring.mail.port= *# SMTP server port.*

spring.mail.properties.\*= *# Additional JavaMail session properties.*

spring.mail.protocol=smtp *# Protocol used by the SMTP server.*

spring.mail.test-connection=false *# Test that the mail server is available on startup.*

spring.mail.username= *# Login user of the SMTP server.*

*# APPLICATION SETTINGS (*[SpringApplication](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot/src/main/java/org/springframework/boot/SpringApplication.java))

spring.main.banner-mode=console *# Mode used to display the banner when the application runs.*

spring.main.sources= *# Sources (class name, package name or XML resource location) to include in the ApplicationContext.*

spring.main.web-environment= *# Run the application in a web environment (auto-detected by default).*

*# FILE ENCODING (*[FileEncodingApplicationListener](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot/src/main/java/org/springframework/boot/context/FileEncodingApplicationListener.java))

spring.mandatory-file-encoding= *# Expected character encoding the application must use.*

*# INTERNATIONALIZATION (*[MessageSourceAutoConfiguration](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/context/MessageSourceAutoConfiguration.java))

spring.messages.always-use-message-format=false *# Set whether to always apply the MessageFormat rules, parsing even messages without arguments.*

spring.messages.basename=messages *# Comma-separated list of basenames, each following the ResourceBundle convention.*

spring.messages.cache-seconds=-1 *# Loaded resource bundle files cache expiration, in seconds. When set to -1, bundles are cached forever.*

spring.messages.encoding=UTF-8 *# Message bundles encoding.*

spring.messages.fallback-to-system-locale=true *# Set whether to fall back to the system Locale if no files for a specific Locale have been found.*

*# OUTPUT*

spring.output.ansi.enabled=detect *# Configure the ANSI output.*

*# PID FILE (*[ApplicationPidFileWriter](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot/src/main/java/org/springframework/boot/system/ApplicationPidFileWriter.java))

spring.pid.fail-on-write-error= *# Fail if ApplicationPidFileWriter is used but it cannot write the PID file.*

spring.pid.file= *# Location of the PID file to write (if ApplicationPidFileWriter is used).*

*# PROFILES*

spring.profiles.active= *# Comma-separated list (or list if using YAML) of* [active profiles](http://docs.spring.io/spring-boot/docs/1.5.2.RELEASE/reference/htmlsingle/#howto-set-active-spring-profiles).

spring.profiles.include= *# Unconditionally activate the specified comma separated profiles (or list of profiles if using YAML).*

*# SENDGRID (*[SendGridAutoConfiguration](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/sendgrid/SendGridAutoConfiguration.java))

spring.sendgrid.api-key= *# SendGrid api key (alternative to username/password)*

spring.sendgrid.username= *# SendGrid account username*

spring.sendgrid.password= *# SendGrid account password*

spring.sendgrid.proxy.host= *# SendGrid proxy host*

spring.sendgrid.proxy.port= *# SendGrid proxy port*

*# ----------------------------------------*

*# WEB PROPERTIES*

*# ----------------------------------------*

*# EMBEDDED SERVER CONFIGURATION (*[ServerProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/web/ServerProperties.java))

server.address= *# Network address to which the server should bind to.*

server.compression.enabled=false *# If response compression is enabled.*

server.compression.excluded-user-agents= *# List of user-agents to exclude from compression.*

server.compression.mime-types= *# Comma-separated list of MIME types that should be compressed. For instance `text/html,text/css,application/json`*

server.compression.min-response-size= *# Minimum response size that is required for compression to be performed. For instance 2048*

server.connection-timeout= *# Time in milliseconds that connectors will wait for another HTTP request before closing the connection. When not set, the connector's container-specific default will be used. Use a value of -1 to indicate no (i.e. infinite) timeout.*

server.context-parameters.\*= *# Servlet context init parameters. For instance `server.context-parameters.a=alpha`*

server.context-path= *# Context path of the application.*

server.display-name=application *# Display name of the application.*

server.max-http-header-size=0 *# Maximum size in bytes of the HTTP message header.*

server.error.include-stacktrace=never *# When to include a "stacktrace" attribute.*

server.error.path=/error *# Path of the error controller.*

server.error.whitelabel.enabled=true *# Enable the default error page displayed in browsers in case of a server error.*

server.jetty.acceptors= *# Number of acceptor threads to use.*

server.jetty.max-http-post-size=0 *# Maximum size in bytes of the HTTP post or put content.*

server.jetty.selectors= *# Number of selector threads to use.*

server.jsp-servlet.class-name=org.apache.jasper.servlet.JspServlet *# The class name of the JSP servlet.*

server.jsp-servlet.init-parameters.\*= *# Init parameters used to configure the JSP servlet*

server.jsp-servlet.registered=true *# Whether or not the JSP servlet is registered*

server.port=8080 *# Server HTTP port.*

server.server-header= *# Value to use for the Server response header (no header is sent if empty)*

server.servlet-path=/ *# Path of the main dispatcher servlet.*

server.use-forward-headers= *# If X-Forwarded-\* headers should be applied to the HttpRequest.*

server.session.cookie.comment= *# Comment for the session cookie.*

server.session.cookie.domain= *# Domain for the session cookie.*

server.session.cookie.http-only= *# "HttpOnly" flag for the session cookie.*

server.session.cookie.max-age= *# Maximum age of the session cookie in seconds.*

server.session.cookie.name= *# Session cookie name.*

server.session.cookie.path= *# Path of the session cookie.*

server.session.cookie.secure= *# "Secure" flag for the session cookie.*

server.session.persistent=false *# Persist session data between restarts.*

server.session.store-dir= *# Directory used to store session data.*

server.session.timeout= *# Session timeout in seconds.*

server.session.tracking-modes= *# Session tracking modes (one or more of the following: "cookie", "url", "ssl").*

server.ssl.ciphers= *# Supported SSL ciphers.*

server.ssl.client-auth= *# Whether client authentication is wanted ("want") or needed ("need"). Requires a trust store.*

server.ssl.enabled= *# Enable SSL support.*

server.ssl.enabled-protocols= *# Enabled SSL protocols.*

server.ssl.key-alias= *# Alias that identifies the key in the key store.*

server.ssl.key-password= *# Password used to access the key in the key store.*

server.ssl.key-store= *# Path to the key store that holds the SSL certificate (typically a jks file).*

server.ssl.key-store-password= *# Password used to access the key store.*

server.ssl.key-store-provider= *# Provider for the key store.*

server.ssl.key-store-type= *# Type of the key store.*

server.ssl.protocol=TLS *# SSL protocol to use.*

server.ssl.trust-store= *# Trust store that holds SSL certificates.*

server.ssl.trust-store-password= *# Password used to access the trust store.*

server.ssl.trust-store-provider= *# Provider for the trust store.*

server.ssl.trust-store-type= *# Type of the trust store.*

server.tomcat.accept-count= *# Maximum queue length for incoming connection requests when all possible request processing threads are in use.*

server.tomcat.accesslog.buffered=true *# Buffer output such that it is only flushed periodically.*

server.tomcat.accesslog.directory=logs *# Directory in which log files are created. Can be relative to the tomcat base dir or absolute.*

server.tomcat.accesslog.enabled=false *# Enable access log.*

server.tomcat.accesslog.pattern=common *# Format pattern for access logs.*

server.tomcat.accesslog.prefix=access\_log *# Log file name prefix.*

server.tomcat.accesslog.rename-on-rotate=false *# Defer inclusion of the date stamp in the file name until rotate time.*

server.tomcat.accesslog.request-attributes-enabled=false *# Set request attributes for IP address, Hostname, protocol and port used for the request.*

server.tomcat.accesslog.rotate=true *# Enable access log rotation.*

server.tomcat.accesslog.suffix=.log *# Log file name suffix.*

server.tomcat.additional-tld-skip-patterns= *# Comma-separated list of additional patterns that match jars to ignore for TLD scanning.*

server.tomcat.background-processor-delay=30 *# Delay in seconds between the invocation of backgroundProcess methods.*

server.tomcat.basedir= *# Tomcat base directory. If not specified a temporary directory will be used.*

server.tomcat.internal-proxies=10\\.\\d{1,3}\\.\\d{1,3}\\.\\d{1,3}|\\

192\\.168\\.\\d{1,3}\\.\\d{1,3}|\\

169\\.254\\.\\d{1,3}\\.\\d{1,3}|\\

127\\.\\d{1,3}\\.\\d{1,3}\\.\\d{1,3}|\\

172\\.1[6-9]{1}\\.\\d{1,3}\\.\\d{1,3}|\\

172\\.2[0-9]{1}\\.\\d{1,3}\\.\\d{1,3}|\\

172\\.3[0-1]{1}\\.\\d{1,3}\\.\\d{1,3} *# regular expression matching trusted IP addresses.*

server.tomcat.max-connections= *# Maximum number of connections that the server will accept and process at any given time.*

server.tomcat.max-http-post-size=0 *# Maximum size in bytes of the HTTP post content.*

server.tomcat.max-threads=0 *# Maximum amount of worker threads.*

server.tomcat.min-spare-threads=0 *# Minimum amount of worker threads.*

server.tomcat.port-header=X-Forwarded-Port *# Name of the HTTP header used to override the original port value.*

server.tomcat.protocol-header= *# Header that holds the incoming protocol, usually named "X-Forwarded-Proto".*

server.tomcat.protocol-header-https-value=https *# Value of the protocol header that indicates that the incoming request uses SSL.*

server.tomcat.redirect-context-root= *# Whether requests to the context root should be redirected by appending a / to the path.*

server.tomcat.remote-ip-header= *# Name of the http header from which the remote ip is extracted. For instance `X-FORWARDED-FOR`*

server.tomcat.uri-encoding=UTF-8 *# Character encoding to use to decode the URI.*

server.undertow.accesslog.dir= *# Undertow access log directory.*

server.undertow.accesslog.enabled=false *# Enable access log.*

server.undertow.accesslog.pattern=common *# Format pattern for access logs.*

server.undertow.accesslog.prefix=access\_log. *# Log file name prefix.*

server.undertow.accesslog.rotate=true *# Enable access log rotation.*

server.undertow.accesslog.suffix=log *# Log file name suffix.*

server.undertow.buffer-size= *# Size of each buffer in bytes.*

server.undertow.buffers-per-region= *# Number of buffer per region.*

server.undertow.direct-buffers= *# Allocate buffers outside the Java heap.*

server.undertow.io-threads= *# Number of I/O threads to create for the worker.*

server.undertow.max-http-post-size=0 *# Maximum size in bytes of the HTTP post content.*

server.undertow.worker-threads= *# Number of worker threads.*

*# FREEMARKER (*[FreeMarkerAutoConfiguration](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/freemarker/FreeMarkerAutoConfiguration.java))

spring.freemarker.allow-request-override=false *# Set whether HttpServletRequest attributes are allowed to override (hide) controller generated model attributes of the same name.*

spring.freemarker.allow-session-override=false *# Set whether HttpSession attributes are allowed to override (hide) controller generated model attributes of the same name.*

spring.freemarker.cache=false *# Enable template caching.*

spring.freemarker.charset=UTF-8 *# Template encoding.*

spring.freemarker.check-template-location=true *# Check that the templates location exists.*

spring.freemarker.content-type=text/html *# Content-Type value.*

spring.freemarker.enabled=true *# Enable MVC view resolution for this technology.*

spring.freemarker.expose-request-attributes=false *# Set whether all request attributes should be added to the model prior to merging with the template.*

spring.freemarker.expose-session-attributes=false *# Set whether all HttpSession attributes should be added to the model prior to merging with the template.*

spring.freemarker.expose-spring-macro-helpers=true *# Set whether to expose a RequestContext for use by Spring's macro library, under the name "springMacroRequestContext".*

spring.freemarker.prefer-file-system-access=true *# Prefer file system access for template loading. File system access enables hot detection of template changes.*

spring.freemarker.prefix= *# Prefix that gets prepended to view names when building a URL.*

spring.freemarker.request-context-attribute= *# Name of the RequestContext attribute for all views.*

spring.freemarker.settings.\*= *# Well-known FreeMarker keys which will be passed to FreeMarker's Configuration.*

spring.freemarker.suffix= *# Suffix that gets appended to view names when building a URL.*

spring.freemarker.template-loader-path=classpath:/templates/ *# Comma-separated list of template paths.*

spring.freemarker.view-names= *# White list of view names that can be resolved.*

*# GROOVY TEMPLATES (*[GroovyTemplateAutoConfiguration](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/groovy/template/GroovyTemplateAutoConfiguration.java))

spring.groovy.template.allow-request-override=false *# Set whether HttpServletRequest attributes are allowed to override (hide) controller generated model attributes of the same name.*

spring.groovy.template.allow-session-override=false *# Set whether HttpSession attributes are allowed to override (hide) controller generated model attributes of the same name.*

spring.groovy.template.cache= *# Enable template caching.*

spring.groovy.template.charset=UTF-8 *# Template encoding.*

spring.groovy.template.check-template-location=true *# Check that the templates location exists.*

spring.groovy.template.configuration.\*= *# See GroovyMarkupConfigurer*

spring.groovy.template.content-type=test/html *# Content-Type value.*

spring.groovy.template.enabled=true *# Enable MVC view resolution for this technology.*

spring.groovy.template.expose-request-attributes=false *# Set whether all request attributes should be added to the model prior to merging with the template.*

spring.groovy.template.expose-session-attributes=false *# Set whether all HttpSession attributes should be added to the model prior to merging with the template.*

spring.groovy.template.expose-spring-macro-helpers=true *# Set whether to expose a RequestContext for use by Spring's macro library, under the name "springMacroRequestContext".*

spring.groovy.template.prefix= *# Prefix that gets prepended to view names when building a URL.*

spring.groovy.template.request-context-attribute= *# Name of the RequestContext attribute for all views.*

spring.groovy.template.resource-loader-path=classpath:/templates/ *# Template path.*

spring.groovy.template.suffix=.tpl *# Suffix that gets appended to view names when building a URL.*

spring.groovy.template.view-names= *# White list of view names that can be resolved.*

*# SPRING HATEOAS (*[HateoasProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/hateoas/HateoasProperties.java))

spring.hateoas.use-hal-as-default-json-media-type=true *# Specify if application/hal+json responses should be sent to requests that accept application/json.*

*# HTTP message conversion*

spring.http.converters.preferred-json-mapper=jackson *# Preferred JSON mapper to use for HTTP message conversion. Set to "gson" to force the use of Gson when both it and Jackson are on the classpath.*

*# HTTP encoding (*[HttpEncodingProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/web/HttpEncodingProperties.java))

spring.http.encoding.charset=UTF-8 *# Charset of HTTP requests and responses. Added to the "Content-Type" header if not set explicitly.*

spring.http.encoding.enabled=true *# Enable http encoding support.*

spring.http.encoding.force= *# Force the encoding to the configured charset on HTTP requests and responses.*

spring.http.encoding.force-request= *# Force the encoding to the configured charset on HTTP requests. Defaults to true when "force" has not been specified.*

spring.http.encoding.force-response= *# Force the encoding to the configured charset on HTTP responses.*

spring.http.encoding.mapping= *# Locale to Encoding mapping.*

*# MULTIPART (*[MultipartProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/web/MultipartProperties.java))

spring.http.multipart.enabled=true *# Enable support of multi-part uploads.*

spring.http.multipart.file-size-threshold=0 *# Threshold after which files will be written to disk. Values can use the suffixed "MB" or "KB" to indicate a Megabyte or Kilobyte size.*

spring.http.multipart.location= *# Intermediate location of uploaded files.*

spring.http.multipart.max-file-size=1MB *# Max file size. Values can use the suffixed "MB" or "KB" to indicate a Megabyte or Kilobyte size.*

spring.http.multipart.max-request-size=10MB *# Max request size. Values can use the suffixed "MB" or "KB" to indicate a Megabyte or Kilobyte size.*

spring.http.multipart.resolve-lazily=false *# Whether to resolve the multipart request lazily at the time of file or parameter access.*

*# JACKSON (*[JacksonProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/jackson/JacksonProperties.java))

spring.jackson.date-format= *# Date format string or a fully-qualified date format class name. For instance `yyyy-MM-dd HH:mm:ss`.*

spring.jackson.default-property-inclusion= *# Controls the inclusion of properties during serialization.*

spring.jackson.deserialization.\*= *# Jackson on/off features that affect the way Java objects are deserialized.*

spring.jackson.generator.\*= *# Jackson on/off features for generators.*

spring.jackson.joda-date-time-format= *# Joda date time format string. If not configured, "date-format" will be used as a fallback if it is configured with a format string.*

spring.jackson.locale= *# Locale used for formatting.*

spring.jackson.mapper.\*= *# Jackson general purpose on/off features.*

spring.jackson.parser.\*= *# Jackson on/off features for parsers.*

spring.jackson.property-naming-strategy= *# One of the constants on Jackson's PropertyNamingStrategy. Can also be a fully-qualified class name of a PropertyNamingStrategy subclass.*

spring.jackson.serialization.\*= *# Jackson on/off features that affect the way Java objects are serialized.*

spring.jackson.time-zone= *# Time zone used when formatting dates. For instance `America/Los\_Angeles`*

*# JERSEY (*[JerseyProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/jersey/JerseyProperties.java))

spring.jersey.application-path= *# Path that serves as the base URI for the application. Overrides the value of "@ApplicationPath" if specified.*

spring.jersey.filter.order=0 *# Jersey filter chain order.*

spring.jersey.init.\*= *# Init parameters to pass to Jersey via the servlet or filter.*

spring.jersey.servlet.load-on-startup=-1 *# Load on startup priority of the Jersey servlet.*

spring.jersey.type=servlet *# Jersey integration type.*

*# SPRING LDAP (*[LdapProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/ldap/LdapProperties.java))

spring.ldap.urls= *# LDAP URLs of the server.*

spring.ldap.base= *# Base suffix from which all operations should originate.*

spring.ldap.username= *# Login user of the server.*

spring.ldap.password= *# Login password of the server.*

spring.ldap.base-environment.\*= *# LDAP specification settings.*

*# EMBEDDED LDAP (*[EmbeddedLdapProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/ldap/embedded/EmbeddedLdapProperties.java))

spring.ldap.embedded.base-dn= *# The base DN*

spring.ldap.embedded.credential.username= *# Embedded LDAP username.*

spring.ldap.embedded.credential.password= *# Embedded LDAP password.*

spring.ldap.embedded.ldif=classpath:schema.ldif *# Schema (LDIF) script resource reference.*

spring.ldap.embedded.port= *# Embedded LDAP port.*

spring.ldap.embedded.validation.enabled=true *# Enable LDAP schema validation.*

spring.ldap.embedded.validation.schema= *# Path to the custom schema.*

*# SPRING MOBILE DEVICE VIEWS (*[DeviceDelegatingViewResolverAutoConfiguration](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/mobile/DeviceDelegatingViewResolverAutoConfiguration.java))

spring.mobile.devicedelegatingviewresolver.enable-fallback=false *# Enable support for fallback resolution.*

spring.mobile.devicedelegatingviewresolver.enabled=false *# Enable device view resolver.*

spring.mobile.devicedelegatingviewresolver.mobile-prefix=mobile/ *# Prefix that gets prepended to view names for mobile devices.*

spring.mobile.devicedelegatingviewresolver.mobile-suffix= *# Suffix that gets appended to view names for mobile devices.*

spring.mobile.devicedelegatingviewresolver.normal-prefix= *# Prefix that gets prepended to view names for normal devices.*

spring.mobile.devicedelegatingviewresolver.normal-suffix= *# Suffix that gets appended to view names for normal devices.*

spring.mobile.devicedelegatingviewresolver.tablet-prefix=tablet/ *# Prefix that gets prepended to view names for tablet devices.*

spring.mobile.devicedelegatingviewresolver.tablet-suffix= *# Suffix that gets appended to view names for tablet devices.*

*# SPRING MOBILE SITE PREFERENCE (*[SitePreferenceAutoConfiguration](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/mobile/SitePreferenceAutoConfiguration.java))

spring.mobile.sitepreference.enabled=true *# Enable SitePreferenceHandler.*

*# MUSTACHE TEMPLATES (*[MustacheAutoConfiguration](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/mustache/MustacheAutoConfiguration.java))

spring.mustache.allow-request-override= *# Set whether HttpServletRequest attributes are allowed to override (hide) controller generated model attributes of the same name.*

spring.mustache.allow-session-override= *# Set whether HttpSession attributes are allowed to override (hide) controller generated model attributes of the same name.*

spring.mustache.cache= *# Enable template caching.*

spring.mustache.charset= *# Template encoding.*

spring.mustache.check-template-location= *# Check that the templates location exists.*

spring.mustache.content-type= *# Content-Type value.*

spring.mustache.enabled= *# Enable MVC view resolution for this technology.*

spring.mustache.expose-request-attributes= *# Set whether all request attributes should be added to the model prior to merging with the template.*

spring.mustache.expose-session-attributes= *# Set whether all HttpSession attributes should be added to the model prior to merging with the template.*

spring.mustache.expose-spring-macro-helpers= *# Set whether to expose a RequestContext for use by Spring's macro library, under the name "springMacroRequestContext".*

spring.mustache.prefix=classpath:/templates/ *# Prefix to apply to template names.*

spring.mustache.request-context-attribute= *# Name of the RequestContext attribute for all views.*

spring.mustache.suffix=.html *# Suffix to apply to template names.*

spring.mustache.view-names= *# White list of view names that can be resolved.*

*# SPRING MVC (*[WebMvcProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/web/WebMvcProperties.java))

spring.mvc.async.request-timeout= *# Amount of time (in milliseconds) before asynchronous request handling times out.*

spring.mvc.date-format= *# Date format to use. For instance `dd/MM/yyyy`.*

spring.mvc.dispatch-trace-request=false *# Dispatch TRACE requests to the FrameworkServlet doService method.*

spring.mvc.dispatch-options-request=true *# Dispatch OPTIONS requests to the FrameworkServlet doService method.*

spring.mvc.favicon.enabled=true *# Enable resolution of favicon.ico.*

spring.mvc.formcontent.putfilter.enabled=true *# Enable Spring's HttpPutFormContentFilter.*

spring.mvc.ignore-default-model-on-redirect=true *# If the content of the "default" model should be ignored during redirect scenarios.*

spring.mvc.locale= *# Locale to use. By default, this locale is overridden by the "Accept-Language" header.*

spring.mvc.locale-resolver=accept-header *# Define how the locale should be resolved.*

spring.mvc.log-resolved-exception=false *# Enable warn logging of exceptions resolved by a "HandlerExceptionResolver".*

spring.mvc.media-types.\*= *# Maps file extensions to media types for content negotiation.*

spring.mvc.message-codes-resolver-format= *# Formatting strategy for message codes. For instance `PREFIX\_ERROR\_CODE`.*

spring.mvc.servlet.load-on-startup=-1 *# Load on startup priority of the Spring Web Services servlet.*

spring.mvc.static-path-pattern=/\*\* *# Path pattern used for static resources.*

spring.mvc.throw-exception-if-no-handler-found=false *# If a "NoHandlerFoundException" should be thrown if no Handler was found to process a request.*

spring.mvc.view.prefix= *# Spring MVC view prefix.*

spring.mvc.view.suffix= *# Spring MVC view suffix.*

*# SPRING RESOURCES HANDLING (*[ResourceProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/web/ResourceProperties.java))

spring.resources.add-mappings=true *# Enable default resource handling.*

spring.resources.cache-period= *# Cache period for the resources served by the resource handler, in seconds.*

spring.resources.chain.cache=true *# Enable caching in the Resource chain.*

spring.resources.chain.enabled= *# Enable the Spring Resource Handling chain. Disabled by default unless at least one strategy has been enabled.*

spring.resources.chain.gzipped=false *# Enable resolution of already gzipped resources.*

spring.resources.chain.html-application-cache=false *# Enable HTML5 application cache manifest rewriting.*

spring.resources.chain.strategy.content.enabled=false *# Enable the content Version Strategy.*

spring.resources.chain.strategy.content.paths=/\*\* *# Comma-separated list of patterns to apply to the Version Strategy.*

spring.resources.chain.strategy.fixed.enabled=false *# Enable the fixed Version Strategy.*

spring.resources.chain.strategy.fixed.paths=/\*\* *# Comma-separated list of patterns to apply to the Version Strategy.*

spring.resources.chain.strategy.fixed.version= *# Version string to use for the Version Strategy.*

spring.resources.static-locations=classpath:/META-INF/resources/,classpath:/resources/,classpath:/static/,classpath:/public/ *# Locations of static resources.*

*# SPRING SESSION (*[SessionProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/session/SessionProperties.java))

spring.session.hazelcast.flush-mode=on-save *# Sessions flush mode.*

spring.session.hazelcast.map-name=spring:session:sessions *# Name of the map used to store sessions.*

spring.session.jdbc.initializer.enabled= *# Create the required session tables on startup if necessary. Enabled automatically if the default table name is set or a custom schema is configured.*

spring.session.jdbc.schema=classpath:org/springframework/session/jdbc/schema-@@platform@@.sql *# Path to the SQL file to use to initialize the database schema.*

spring.session.jdbc.table-name=SPRING\_SESSION *# Name of database table used to store sessions.*

spring.session.mongo.collection-name=sessions *# Collection name used to store sessions.*

spring.session.redis.flush-mode=on-save *# Sessions flush mode.*

spring.session.redis.namespace= *# Namespace for keys used to store sessions.*

spring.session.store-type= *# Session store type.*

*# SPRING SOCIAL (*[SocialWebAutoConfiguration](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/social/SocialWebAutoConfiguration.java))

spring.social.auto-connection-views=false *# Enable the connection status view for supported providers.*

*# SPRING SOCIAL FACEBOOK (*[FacebookAutoConfiguration](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/social/FacebookAutoConfiguration.java))

spring.social.facebook.app-id= *# your application's Facebook App ID*

spring.social.facebook.app-secret= *# your application's Facebook App Secret*

*# SPRING SOCIAL LINKEDIN (*[LinkedInAutoConfiguration](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/social/LinkedInAutoConfiguration.java))

spring.social.linkedin.app-id= *# your application's LinkedIn App ID*

spring.social.linkedin.app-secret= *# your application's LinkedIn App Secret*

*# SPRING SOCIAL TWITTER (*[TwitterAutoConfiguration](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/social/TwitterAutoConfiguration.java))

spring.social.twitter.app-id= *# your application's Twitter App ID*

spring.social.twitter.app-secret= *# your application's Twitter App Secret*

*# THYMELEAF (*[ThymeleafAutoConfiguration](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/thymeleaf/ThymeleafAutoConfiguration.java))

spring.thymeleaf.cache=true *# Enable template caching.*

spring.thymeleaf.check-template=true *# Check that the template exists before rendering it.*

spring.thymeleaf.check-template-location=true *# Check that the templates location exists.*

spring.thymeleaf.content-type=text/html *# Content-Type value.*

spring.thymeleaf.enabled=true *# Enable MVC Thymeleaf view resolution.*

spring.thymeleaf.encoding=UTF-8 *# Template encoding.*

spring.thymeleaf.excluded-view-names= *# Comma-separated list of view names that should be excluded from resolution.*

spring.thymeleaf.mode=HTML5 *# Template mode to be applied to templates. See also StandardTemplateModeHandlers.*

spring.thymeleaf.prefix=classpath:/templates/ *# Prefix that gets prepended to view names when building a URL.*

spring.thymeleaf.suffix=.html *# Suffix that gets appended to view names when building a URL.*

spring.thymeleaf.template-resolver-order= *# Order of the template resolver in the chain.*

spring.thymeleaf.view-names= *# Comma-separated list of view names that can be resolved.*

*# SPRING WEB SERVICES (*[WebServicesProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/webservices/WebServicesProperties.java))

spring.webservices.path=/services *# Path that serves as the base URI for the services.*

spring.webservices.servlet.init= *# Servlet init parameters to pass to Spring Web Services.*

spring.webservices.servlet.load-on-startup=-1 *# Load on startup priority of the Spring Web Services servlet.*

*# ----------------------------------------*

*# SECURITY PROPERTIES*

*# ----------------------------------------*

*# SECURITY (*[SecurityProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/security/SecurityProperties.java))

security.basic.authorize-mode=role *# Security authorize mode to apply.*

security.basic.enabled=true *# Enable basic authentication.*

security.basic.path=/\*\* *# Comma-separated list of paths to secure.*

security.basic.realm=Spring *# HTTP basic realm name.*

security.enable-csrf=false *# Enable Cross Site Request Forgery support.*

security.filter-order=0 *# Security filter chain order.*

security.filter-dispatcher-types=ASYNC, FORWARD, INCLUDE, REQUEST *# Security filter chain dispatcher types.*

security.headers.cache=true *# Enable cache control HTTP headers.*

security.headers.content-security-policy= *# Value for content security policy header.*

security.headers.content-security-policy-mode=default *# Content security policy mode.*

security.headers.content-type=true *# Enable "X-Content-Type-Options" header.*

security.headers.frame=true *# Enable "X-Frame-Options" header.*

security.headers.hsts=all *# HTTP Strict Transport Security (HSTS) mode (none, domain, all).*

security.headers.xss=true *# Enable cross site scripting (XSS) protection.*

security.ignored= *# Comma-separated list of paths to exclude from the default secured paths.*

security.require-ssl=false *# Enable secure channel for all requests.*

security.sessions=stateless *# Session creation policy (always, never, if\_required, stateless).*

security.user.name=user *# Default user name.*

security.user.password= *# Password for the default user name. A random password is logged on startup by default.*

security.user.role=USER *# Granted roles for the default user name.*

*# SECURITY OAUTH2 CLIENT (*[OAuth2ClientProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/security/oauth2/OAuth2ClientProperties.java))

security.oauth2.client.client-id= *# OAuth2 client id.*

security.oauth2.client.client-secret= *# OAuth2 client secret. A random secret is generated by default*

*# SECURITY OAUTH2 RESOURCES (*[ResourceServerProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/security/oauth2/resource/ResourceServerProperties.java))

security.oauth2.resource.filter-order= *# The order of the filter chain used to authenticate tokens.*

security.oauth2.resource.id= *# Identifier of the resource.*

security.oauth2.resource.jwt.key-uri= *# The URI of the JWT token. Can be set if the value is not available and the key is public.*

security.oauth2.resource.jwt.key-value= *# The verification key of the JWT token. Can either be a symmetric secret or PEM-encoded RSA public key.*

security.oauth2.resource.prefer-token-info=true *# Use the token info, can be set to false to use the user info.*

security.oauth2.resource.service-id=resource *#*

security.oauth2.resource.token-info-uri= *# URI of the token decoding endpoint.*

security.oauth2.resource.token-type= *# The token type to send when using the userInfoUri.*

security.oauth2.resource.user-info-uri= *# URI of the user endpoint.*

*# SECURITY OAUTH2 SSO (*[OAuth2SsoProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/security/oauth2/client/OAuth2SsoProperties.java))

security.oauth2.sso.filter-order= *# Filter order to apply if not providing an explicit WebSecurityConfigurerAdapter*

security.oauth2.sso.login-path=/login *# Path to the login page, i.e. the one that triggers the redirect to the OAuth2 Authorization Server*

*# ----------------------------------------*

*# DATA PROPERTIES*

*# ----------------------------------------*

*# FLYWAY (*[FlywayProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/flyway/FlywayProperties.java))

flyway.baseline-description= *#*

flyway.baseline-version=1 *# version to start migration*

flyway.baseline-on-migrate= *#*

flyway.check-location=false *# Check that migration scripts location exists.*

flyway.clean-on-validation-error= *#*

flyway.enabled=true *# Enable flyway.*

flyway.encoding= *#*

flyway.ignore-failed-future-migration= *#*

flyway.init-sqls= *# SQL statements to execute to initialize a connection immediately after obtaining it.*

flyway.locations=classpath:db/migration *# locations of migrations scripts*

flyway.out-of-order= *#*

flyway.password= *# JDBC password if you want Flyway to create its own DataSource*

flyway.placeholder-prefix= *#*

flyway.placeholder-replacement= *#*

flyway.placeholder-suffix= *#*

flyway.placeholders.\*= *#*

flyway.schemas= *# schemas to update*

flyway.sql-migration-prefix=V *#*

flyway.sql-migration-separator= *#*

flyway.sql-migration-suffix=.sql *#*

flyway.table= *#*

flyway.url= *# JDBC url of the database to migrate. If not set, the primary configured data source is used.*

flyway.user= *# Login user of the database to migrate.*

flyway.validate-on-migrate= *#*

*# LIQUIBASE (*[LiquibaseProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/liquibase/LiquibaseProperties.java))

liquibase.change-log=classpath:/db/changelog/db.changelog-master.yaml *# Change log configuration path.*

liquibase.check-change-log-location=true *# Check the change log location exists.*

liquibase.contexts= *# Comma-separated list of runtime contexts to use.*

liquibase.default-schema= *# Default database schema.*

liquibase.drop-first=false *# Drop the database schema first.*

liquibase.enabled=true *# Enable liquibase support.*

liquibase.labels= *# Comma-separated list of runtime labels to use.*

liquibase.parameters.\*= *# Change log parameters.*

liquibase.password= *# Login password of the database to migrate.*

liquibase.rollback-file= *# File to which rollback SQL will be written when an update is performed.*

liquibase.url= *# JDBC url of the database to migrate. If not set, the primary configured data source is used.*

liquibase.user= *# Login user of the database to migrate.*

*# COUCHBASE (*[CouchbaseProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/couchbase/CouchbaseProperties.java))

spring.couchbase.bootstrap-hosts= *# Couchbase nodes (host or IP address) to bootstrap from.*

spring.couchbase.bucket.name=default *# Name of the bucket to connect to.*

spring.couchbase.bucket.password= *# Password of the bucket.*

spring.couchbase.env.endpoints.key-value=1 *# Number of sockets per node against the Key/value service.*

spring.couchbase.env.endpoints.query=1 *# Number of sockets per node against the Query (N1QL) service.*

spring.couchbase.env.endpoints.view=1 *# Number of sockets per node against the view service.*

spring.couchbase.env.ssl.enabled= *# Enable SSL support. Enabled automatically if a "keyStore" is provided unless specified otherwise.*

spring.couchbase.env.ssl.key-store= *# Path to the JVM key store that holds the certificates.*

spring.couchbase.env.ssl.key-store-password= *# Password used to access the key store.*

spring.couchbase.env.timeouts.connect=5000 *# Bucket connections timeout in milliseconds.*

spring.couchbase.env.timeouts.key-value=2500 *# Blocking operations performed on a specific key timeout in milliseconds.*

spring.couchbase.env.timeouts.query=7500 *# N1QL query operations timeout in milliseconds.*

spring.couchbase.env.timeouts.socket-connect=1000 *# Socket connect connections timeout in milliseconds.*

spring.couchbase.env.timeouts.view=7500 *# Regular and geospatial view operations timeout in milliseconds.*

*# DAO (*[PersistenceExceptionTranslationAutoConfiguration](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/dao/PersistenceExceptionTranslationAutoConfiguration.java))

spring.dao.exceptiontranslation.enabled=true *# Enable the PersistenceExceptionTranslationPostProcessor.*

*# CASSANDRA (*[CassandraProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/cassandra/CassandraProperties.java))

spring.data.cassandra.cluster-name= *# Name of the Cassandra cluster.*

spring.data.cassandra.compression=none *# Compression supported by the Cassandra binary protocol.*

spring.data.cassandra.connect-timeout-millis= *# Socket option: connection time out.*

spring.data.cassandra.consistency-level= *# Queries consistency level.*

spring.data.cassandra.contact-points=localhost *# Comma-separated list of cluster node addresses.*

spring.data.cassandra.fetch-size= *# Queries default fetch size.*

spring.data.cassandra.keyspace-name= *# Keyspace name to use.*

spring.data.cassandra.load-balancing-policy= *# Class name of the load balancing policy.*

spring.data.cassandra.port= *# Port of the Cassandra server.*

spring.data.cassandra.password= *# Login password of the server.*

spring.data.cassandra.read-timeout-millis= *# Socket option: read time out.*

spring.data.cassandra.reconnection-policy= *# Reconnection policy class.*

spring.data.cassandra.retry-policy= *# Class name of the retry policy.*

spring.data.cassandra.serial-consistency-level= *# Queries serial consistency level.*

spring.data.cassandra.schema-action=none *# Schema action to take at startup.*

spring.data.cassandra.ssl=false *# Enable SSL support.*

spring.data.cassandra.username= *# Login user of the server.*

*# DATA COUCHBASE (*[CouchbaseDataProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/data/couchbase/CouchbaseDataProperties.java))

spring.data.couchbase.auto-index=false *# Automatically create views and indexes.*

spring.data.couchbase.consistency=read-your-own-writes *# Consistency to apply by default on generated queries.*

spring.data.couchbase.repositories.enabled=true *# Enable Couchbase repositories.*

*# ELASTICSEARCH (*[ElasticsearchProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/data/elasticsearch/ElasticsearchProperties.java))

spring.data.elasticsearch.cluster-name=elasticsearch *# Elasticsearch cluster name.*

spring.data.elasticsearch.cluster-nodes= *# Comma-separated list of cluster node addresses. If not specified, starts a client node.*

spring.data.elasticsearch.properties.\*= *# Additional properties used to configure the client.*

spring.data.elasticsearch.repositories.enabled=true *# Enable Elasticsearch repositories.*

*# DATA LDAP*

spring.data.ldap.repositories.enabled=true *# Enable LDAP repositories.*

*# MONGODB (*[MongoProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/mongo/MongoProperties.java))

spring.data.mongodb.authentication-database= *# Authentication database name.*

spring.data.mongodb.database=test *# Database name.*

spring.data.mongodb.field-naming-strategy= *# Fully qualified name of the FieldNamingStrategy to use.*

spring.data.mongodb.grid-fs-database= *# GridFS database name.*

spring.data.mongodb.host=localhost *# Mongo server host. Cannot be set with uri.*

spring.data.mongodb.password= *# Login password of the mongo server. Cannot be set with uri.*

spring.data.mongodb.port=27017 *# Mongo server port. Cannot be set with uri.*

spring.data.mongodb.repositories.enabled=true *# Enable Mongo repositories.*

spring.data.mongodb.uri=mongodb://localhost/test *# Mongo database URI. Cannot be set with host, port and credentials.*

spring.data.mongodb.username= *# Login user of the mongo server. Cannot be set with uri.*

*# DATA REDIS*

spring.data.redis.repositories.enabled=true *# Enable Redis repositories.*

*# NEO4J (*[Neo4jProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/neo4j/Neo4jProperties.java))

spring.data.neo4j.compiler= *# Compiler to use.*

spring.data.neo4j.embedded.enabled=true *# Enable embedded mode if the embedded driver is available.*

spring.data.neo4j.open-in-view=false *# Register OpenSessionInViewInterceptor. Binds a Neo4j Session to the thread for the entire processing of the request.*

spring.data.neo4j.password= *# Login password of the server.*

spring.data.neo4j.repositories.enabled=true *# Enable Neo4j repositories.*

spring.data.neo4j.uri= *# URI used by the driver. Auto-detected by default.*

spring.data.neo4j.username= *# Login user of the server.*

*# DATA REST (*[RepositoryRestProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/data/rest/RepositoryRestProperties.java))

spring.data.rest.base-path= *# Base path to be used by Spring Data REST to expose repository resources.*

spring.data.rest.default-page-size= *# Default size of pages.*

spring.data.rest.detection-strategy=default *# Strategy to use to determine which repositories get exposed.*

spring.data.rest.enable-enum-translation= *# Enable enum value translation via the Spring Data REST default resource bundle.*

spring.data.rest.limit-param-name= *# Name of the URL query string parameter that indicates how many results to return at once.*

spring.data.rest.max-page-size= *# Maximum size of pages.*

spring.data.rest.page-param-name= *# Name of the URL query string parameter that indicates what page to return.*

spring.data.rest.return-body-on-create= *# Return a response body after creating an entity.*

spring.data.rest.return-body-on-update= *# Return a response body after updating an entity.*

spring.data.rest.sort-param-name= *# Name of the URL query string parameter that indicates what direction to sort results.*

*# SOLR (*[SolrProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/solr/SolrProperties.java))

spring.data.solr.host=http://127.0.0.1:8983/solr *# Solr host. Ignored if "zk-host" is set.*

spring.data.solr.repositories.enabled=true *# Enable Solr repositories.*

spring.data.solr.zk-host= *# ZooKeeper host address in the form HOST:PORT.*

*# DATASOURCE (*[DataSourceAutoConfiguration](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/jdbc/DataSourceAutoConfiguration.java) & [DataSourceProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/jdbc/DataSourceProperties.java))

spring.datasource.continue-on-error=false *# Do not stop if an error occurs while initializing the database.*

spring.datasource.data= *# Data (DML) script resource references.*

spring.datasource.data-username= *# User of the database to execute DML scripts (if different).*

spring.datasource.data-password= *# Password of the database to execute DML scripts (if different).*

spring.datasource.dbcp2.\*= *# Commons DBCP2 specific settings*

spring.datasource.driver-class-name= *# Fully qualified name of the JDBC driver. Auto-detected based on the URL by default.*

spring.datasource.generate-unique-name=false *# Generate a random datasource name.*

spring.datasource.hikari.\*= *# Hikari specific settings*

spring.datasource.initialize=true *# Populate the database using 'data.sql'.*

spring.datasource.jmx-enabled=false *# Enable JMX support (if provided by the underlying pool).*

spring.datasource.jndi-name= *# JNDI location of the datasource. Class, url, username & password are ignored when set.*

spring.datasource.name=testdb *# Name of the datasource.*

spring.datasource.password= *# Login password of the database.*

spring.datasource.platform=all *# Platform to use in the schema resource (schema-${platform}.sql).*

spring.datasource.schema= *# Schema (DDL) script resource references.*

spring.datasource.schema-username= *# User of the database to execute DDL scripts (if different).*

spring.datasource.schema-password= *# Password of the database to execute DDL scripts (if different).*

spring.datasource.separator=; *# Statement separator in SQL initialization scripts.*

spring.datasource.sql-script-encoding= *# SQL scripts encoding.*

spring.datasource.tomcat.\*= *# Tomcat datasource specific settings*

spring.datasource.type= *# Fully qualified name of the connection pool implementation to use. By default, it is auto-detected from the classpath.*

spring.datasource.url= *# JDBC url of the database.*

spring.datasource.username=

*# JEST (Elasticsearch HTTP client) (*[JestProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/jest/JestProperties.java))

spring.elasticsearch.jest.connection-timeout=3000 *# Connection timeout in milliseconds.*

spring.elasticsearch.jest.multi-threaded=true *# Enable connection requests from multiple execution threads.*

spring.elasticsearch.jest.password= *# Login password.*

spring.elasticsearch.jest.proxy.host= *# Proxy host the HTTP client should use.*

spring.elasticsearch.jest.proxy.port= *# Proxy port the HTTP client should use.*

spring.elasticsearch.jest.read-timeout=3000 *# Read timeout in milliseconds.*

spring.elasticsearch.jest.uris=http://localhost:9200 *# Comma-separated list of the Elasticsearch instances to use.*

spring.elasticsearch.jest.username= *# Login user.*

*# H2 Web Console (*[H2ConsoleProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/h2/H2ConsoleProperties.java))

spring.h2.console.enabled=false *# Enable the console.*

spring.h2.console.path=/h2-console *# Path at which the console will be available.*

spring.h2.console.settings.trace=false *# Enable trace output.*

spring.h2.console.settings.web-allow-others=false *# Enable remote access.*

*# JOOQ (*[JooqAutoConfiguration](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/jooq/JooqAutoConfiguration.java))

spring.jooq.sql-dialect= *# SQLDialect JOOQ used when communicating with the configured datasource. For instance `POSTGRES`*

*# JPA (*[JpaBaseConfiguration](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/orm/jpa/JpaBaseConfiguration.java), [HibernateJpaAutoConfiguration](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/orm/jpa/HibernateJpaAutoConfiguration.java))

spring.data.jpa.repositories.enabled=true *# Enable JPA repositories.*

spring.jpa.database= *# Target database to operate on, auto-detected by default. Can be alternatively set using the "databasePlatform" property.*

spring.jpa.database-platform= *# Name of the target database to operate on, auto-detected by default. Can be alternatively set using the "Database" enum.*

spring.jpa.generate-ddl=false *# Initialize the schema on startup.*

spring.jpa.hibernate.ddl-auto= *# DDL mode. This is actually a shortcut for the "hibernate.hbm2ddl.auto" property. Default to "create-drop" when using an embedded database, "none" otherwise.*

spring.jpa.hibernate.naming.implicit-strategy= *# Hibernate 5 implicit naming strategy fully qualified name.*

spring.jpa.hibernate.naming.physical-strategy= *# Hibernate 5 physical naming strategy fully qualified name.*

spring.jpa.hibernate.naming.strategy= *# Hibernate 4 naming strategy fully qualified name. Not supported with Hibernate 5.*

spring.jpa.hibernate.use-new-id-generator-mappings= *# Use Hibernate's newer IdentifierGenerator for AUTO, TABLE and SEQUENCE.*

spring.jpa.open-in-view=true *# Register OpenEntityManagerInViewInterceptor. Binds a JPA EntityManager to the thread for the entire processing of the request.*

spring.jpa.properties.\*= *# Additional native properties to set on the JPA provider.*

spring.jpa.show-sql=false *# Enable logging of SQL statements.*

*# JTA (*[JtaAutoConfiguration](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/transaction/jta/JtaAutoConfiguration.java))

spring.jta.enabled=true *# Enable JTA support.*

spring.jta.log-dir= *# Transaction logs directory.*

spring.jta.transaction-manager-id= *# Transaction manager unique identifier.*

*# ATOMIKOS (*[AtomikosProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot/src/main/java/org/springframework/boot/jta/atomikos/AtomikosProperties.java))

spring.jta.atomikos.connectionfactory.borrow-connection-timeout=30 *# Timeout, in seconds, for borrowing connections from the pool.*

spring.jta.atomikos.connectionfactory.ignore-session-transacted-flag=true *# Whether or not to ignore the transacted flag when creating session.*

spring.jta.atomikos.connectionfactory.local-transaction-mode=false *# Whether or not local transactions are desired.*

spring.jta.atomikos.connectionfactory.maintenance-interval=60 *# The time, in seconds, between runs of the pool's maintenance thread.*

spring.jta.atomikos.connectionfactory.max-idle-time=60 *# The time, in seconds, after which connections are cleaned up from the pool.*

spring.jta.atomikos.connectionfactory.max-lifetime=0 *# The time, in seconds, that a connection can be pooled for before being destroyed. 0 denotes no limit.*

spring.jta.atomikos.connectionfactory.max-pool-size=1 *# The maximum size of the pool.*

spring.jta.atomikos.connectionfactory.min-pool-size=1 *# The minimum size of the pool.*

spring.jta.atomikos.connectionfactory.reap-timeout=0 *# The reap timeout, in seconds, for borrowed connections. 0 denotes no limit.*

spring.jta.atomikos.connectionfactory.unique-resource-name=jmsConnectionFactory *# The unique name used to identify the resource during recovery.*

spring.jta.atomikos.datasource.borrow-connection-timeout=30 *# Timeout, in seconds, for borrowing connections from the pool.*

spring.jta.atomikos.datasource.default-isolation-level= *# Default isolation level of connections provided by the pool.*

spring.jta.atomikos.datasource.login-timeout= *# Timeout, in seconds, for establishing a database connection.*

spring.jta.atomikos.datasource.maintenance-interval=60 *# The time, in seconds, between runs of the pool's maintenance thread.*

spring.jta.atomikos.datasource.max-idle-time=60 *# The time, in seconds, after which connections are cleaned up from the pool.*

spring.jta.atomikos.datasource.max-lifetime=0 *# The time, in seconds, that a connection can be pooled for before being destroyed. 0 denotes no limit.*

spring.jta.atomikos.datasource.max-pool-size=1 *# The maximum size of the pool.*

spring.jta.atomikos.datasource.min-pool-size=1 *# The minimum size of the pool.*

spring.jta.atomikos.datasource.reap-timeout=0 *# The reap timeout, in seconds, for borrowed connections. 0 denotes no limit.*

spring.jta.atomikos.datasource.test-query= *# SQL query or statement used to validate a connection before returning it.*

spring.jta.atomikos.datasource.unique-resource-name=dataSource *# The unique name used to identify the resource during recovery.*

spring.jta.atomikos.properties.checkpoint-interval=500 *# Interval between checkpoints.*

spring.jta.atomikos.properties.console-file-count=1 *# Number of debug logs files that can be created.*

spring.jta.atomikos.properties.console-file-limit=-1 *# How many bytes can be stored at most in debug logs files.*

spring.jta.atomikos.properties.console-file-name=tm.out *# Debug logs file name.*

spring.jta.atomikos.properties.console-log-level=warn *# Console log level.*

spring.jta.atomikos.properties.default-jta-timeout=10000 *# Default timeout for JTA transactions.*

spring.jta.atomikos.properties.enable-logging=true *# Enable disk logging.*

spring.jta.atomikos.properties.force-shutdown-on-vm-exit=false *# Specify if a VM shutdown should trigger forced shutdown of the transaction core.*

spring.jta.atomikos.properties.log-base-dir= *# Directory in which the log files should be stored.*

spring.jta.atomikos.properties.log-base-name=tmlog *# Transactions log file base name.*

spring.jta.atomikos.properties.max-actives=50 *# Maximum number of active transactions.*

spring.jta.atomikos.properties.max-timeout=300000 *# Maximum timeout (in milliseconds) that can be allowed for transactions.*

spring.jta.atomikos.properties.output-dir= *# Directory in which to store the debug log files.*

spring.jta.atomikos.properties.serial-jta-transactions=true *# Specify if sub-transactions should be joined when possible.*

spring.jta.atomikos.properties.service= *# Transaction manager implementation that should be started.*

spring.jta.atomikos.properties.threaded-two-phase-commit=true *# Use different (and concurrent) threads for two-phase commit on the participating resources.*

spring.jta.atomikos.properties.transaction-manager-unique-name= *# Transaction manager's unique name.*

*# BITRONIX*

spring.jta.bitronix.connectionfactory.acquire-increment=1 *# Number of connections to create when growing the pool.*

spring.jta.bitronix.connectionfactory.acquisition-interval=1 *# Time, in seconds, to wait before trying to acquire a connection again after an invalid connection was acquired.*

spring.jta.bitronix.connectionfactory.acquisition-timeout=30 *# Timeout, in seconds, for acquiring connections from the pool.*

spring.jta.bitronix.connectionfactory.allow-local-transactions=true *# Whether or not the transaction manager should allow mixing XA and non-XA transactions.*

spring.jta.bitronix.connectionfactory.apply-transaction-timeout=false *# Whether or not the transaction timeout should be set on the XAResource when it is enlisted.*

spring.jta.bitronix.connectionfactory.automatic-enlisting-enabled=true *# Whether or not resources should be enlisted and delisted automatically.*

spring.jta.bitronix.connectionfactory.cache-producers-consumers=true *# Whether or not produces and consumers should be cached.*

spring.jta.bitronix.connectionfactory.defer-connection-release=true *# Whether or not the provider can run many transactions on the same connection and supports transaction interleaving.*

spring.jta.bitronix.connectionfactory.ignore-recovery-failures=false *# Whether or not recovery failures should be ignored.*

spring.jta.bitronix.connectionfactory.max-idle-time=60 *# The time, in seconds, after which connections are cleaned up from the pool.*

spring.jta.bitronix.connectionfactory.max-pool-size=10 *# The maximum size of the pool. 0 denotes no limit.*

spring.jta.bitronix.connectionfactory.min-pool-size=0 *# The minimum size of the pool.*

spring.jta.bitronix.connectionfactory.password= *# The password to use to connect to the JMS provider.*

spring.jta.bitronix.connectionfactory.share-transaction-connections=false *# Whether or not connections in the ACCESSIBLE state can be shared within the context of a transaction.*

spring.jta.bitronix.connectionfactory.test-connections=true *# Whether or not connections should be tested when acquired from the pool.*

spring.jta.bitronix.connectionfactory.two-pc-ordering-position=1 *# The position that this resource should take during two-phase commit (always first is Integer.MIN\_VALUE, always last is Integer.MAX\_VALUE).*

spring.jta.bitronix.connectionfactory.unique-name=jmsConnectionFactory *# The unique name used to identify the resource during recovery.*

spring.jta.bitronix.connectionfactory.use-tm-join=true Whether or not TMJOIN should be used when starting XAResources.

spring.jta.bitronix.connectionfactory.user= *# The user to use to connect to the JMS provider.*

spring.jta.bitronix.datasource.acquire-increment=1 *# Number of connections to create when growing the pool.*

spring.jta.bitronix.datasource.acquisition-interval=1 *# Time, in seconds, to wait before trying to acquire a connection again after an invalid connection was acquired.*

spring.jta.bitronix.datasource.acquisition-timeout=30 *# Timeout, in seconds, for acquiring connections from the pool.*

spring.jta.bitronix.datasource.allow-local-transactions=true *# Whether or not the transaction manager should allow mixing XA and non-XA transactions.*

spring.jta.bitronix.datasource.apply-transaction-timeout=false *# Whether or not the transaction timeout should be set on the XAResource when it is enlisted.*

spring.jta.bitronix.datasource.automatic-enlisting-enabled=true *# Whether or not resources should be enlisted and delisted automatically.*

spring.jta.bitronix.datasource.cursor-holdability= *# The default cursor holdability for connections.*

spring.jta.bitronix.datasource.defer-connection-release=true *# Whether or not the database can run many transactions on the same connection and supports transaction interleaving.*

spring.jta.bitronix.datasource.enable-jdbc4-connection-test= *# Whether or not Connection.isValid() is called when acquiring a connection from the pool.*

spring.jta.bitronix.datasource.ignore-recovery-failures=false *# Whether or not recovery failures should be ignored.*

spring.jta.bitronix.datasource.isolation-level= *# The default isolation level for connections.*

spring.jta.bitronix.datasource.local-auto-commit= *# The default auto-commit mode for local transactions.*

spring.jta.bitronix.datasource.login-timeout= *# Timeout, in seconds, for establishing a database connection.*

spring.jta.bitronix.datasource.max-idle-time=60 *# The time, in seconds, after which connections are cleaned up from the pool.*

spring.jta.bitronix.datasource.max-pool-size=10 *# The maximum size of the pool. 0 denotes no limit.*

spring.jta.bitronix.datasource.min-pool-size=0 *# The minimum size of the pool.*

spring.jta.bitronix.datasource.prepared-statement-cache-size=0 *# The target size of the prepared statement cache. 0 disables the cache.*

spring.jta.bitronix.datasource.share-transaction-connections=false *# Whether or not connections in the ACCESSIBLE state can be shared within the context of a transaction.*

spring.jta.bitronix.datasource.test-query= *# SQL query or statement used to validate a connection before returning it.*

spring.jta.bitronix.datasource.two-pc-ordering-position=1 *# The position that this resource should take during two-phase commit (always first is Integer.MIN\_VALUE, always last is Integer.MAX\_VALUE).*

spring.jta.bitronix.datasource.unique-name=dataSource *# The unique name used to identify the resource during recovery.*

spring.jta.bitronix.datasource.use-tm-join=true Whether or not TMJOIN should be used when starting XAResources.

spring.jta.bitronix.properties.allow-multiple-lrc=false *# Allow multiple LRC resources to be enlisted into the same transaction.*

spring.jta.bitronix.properties.asynchronous2-pc=false *# Enable asynchronously execution of two phase commit.*

spring.jta.bitronix.properties.background-recovery-interval-seconds=60 *# Interval in seconds at which to run the recovery process in the background.*

spring.jta.bitronix.properties.current-node-only-recovery=true *# Recover only the current node.*

spring.jta.bitronix.properties.debug-zero-resource-transaction=false *# Log the creation and commit call stacks of transactions executed without a single enlisted resource.*

spring.jta.bitronix.properties.default-transaction-timeout=60 *# Default transaction timeout in seconds.*

spring.jta.bitronix.properties.disable-jmx=false *# Enable JMX support.*

spring.jta.bitronix.properties.exception-analyzer= *# Set the fully qualified name of the exception analyzer implementation to use.*

spring.jta.bitronix.properties.filter-log-status=false *# Enable filtering of logs so that only mandatory logs are written.*

spring.jta.bitronix.properties.force-batching-enabled=true *# Set if disk forces are batched.*

spring.jta.bitronix.properties.forced-write-enabled=true *# Set if logs are forced to disk.*

spring.jta.bitronix.properties.graceful-shutdown-interval=60 *# Maximum amount of seconds the TM will wait for transactions to get done before aborting them at shutdown time.*

spring.jta.bitronix.properties.jndi-transaction-synchronization-registry-name= *# JNDI name of the TransactionSynchronizationRegistry.*

spring.jta.bitronix.properties.jndi-user-transaction-name= *# JNDI name of the UserTransaction.*

spring.jta.bitronix.properties.journal=disk *# Name of the journal. Can be 'disk', 'null' or a class name.*

spring.jta.bitronix.properties.log-part1-filename=btm1.tlog *# Name of the first fragment of the journal.*

spring.jta.bitronix.properties.log-part2-filename=btm2.tlog *# Name of the second fragment of the journal.*

spring.jta.bitronix.properties.max-log-size-in-mb=2 *# Maximum size in megabytes of the journal fragments.*

spring.jta.bitronix.properties.resource-configuration-filename= *# ResourceLoader configuration file name.*

spring.jta.bitronix.properties.server-id= *# ASCII ID that must uniquely identify this TM instance. Default to the machine's IP address.*

spring.jta.bitronix.properties.skip-corrupted-logs=false *# Skip corrupted transactions log entries.*

spring.jta.bitronix.properties.warn-about-zero-resource-transaction=true *# Log a warning for transactions executed without a single enlisted resource.*

*# NARAYANA (*[NarayanaProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot/src/main/java/org/springframework/boot/jta/narayana/NarayanaProperties.java))

spring.jta.narayana.default-timeout=60 *# Transaction timeout in seconds.*

spring.jta.narayana.expiry-scanners=com.arjuna.ats.internal.arjuna.recovery.ExpiredTransactionStatusManagerScanner *# Comma-separated list of expiry scanners.*

spring.jta.narayana.log-dir= *# Transaction object store directory.*

spring.jta.narayana.one-phase-commit=true *# Enable one phase commit optimisation.*

spring.jta.narayana.periodic-recovery-period=120 *# Interval in which periodic recovery scans are performed in seconds.*

spring.jta.narayana.recovery-backoff-period=10 *# Back off period between first and second phases of the recovery scan in seconds.*

spring.jta.narayana.recovery-db-pass= *# Database password to be used by recovery manager.*

spring.jta.narayana.recovery-db-user= *# Database username to be used by recovery manager.*

spring.jta.narayana.recovery-jms-pass= *# JMS password to be used by recovery manager.*

spring.jta.narayana.recovery-jms-user= *# JMS username to be used by recovery manager.*

spring.jta.narayana.recovery-modules= *# Comma-separated list of recovery modules.*

spring.jta.narayana.transaction-manager-id=1 *# Unique transaction manager id.*

spring.jta.narayana.xa-resource-orphan-filters= *# Comma-separated list of orphan filters.*

*# EMBEDDED MONGODB (*[EmbeddedMongoProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/mongo/embedded/EmbeddedMongoProperties.java))

spring.mongodb.embedded.features=SYNC\_DELAY *# Comma-separated list of features to enable.*

spring.mongodb.embedded.storage.database-dir= *# Directory used for data storage.*

spring.mongodb.embedded.storage.oplog-size= *# Maximum size of the oplog in megabytes.*

spring.mongodb.embedded.storage.repl-set-name= *# Name of the replica set.*

spring.mongodb.embedded.version=2.6.10 *# Version of Mongo to use.*

*# REDIS (*[RedisProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/data/redis/RedisProperties.java))

spring.redis.cluster.max-redirects= *# Maximum number of redirects to follow when executing commands across the cluster.*

spring.redis.cluster.nodes= *# Comma-separated list of "host:port" pairs to bootstrap from.*

spring.redis.database=0 *# Database index used by the connection factory.*

spring.redis.url= *# Connection URL, will override host, port and password (user will be ignored), e.g. redis://user:password@example.com:6379*

spring.redis.host=localhost *# Redis server host.*

spring.redis.password= *# Login password of the redis server.*

spring.redis.ssl=false *# Enable SSL support.*

spring.redis.pool.max-active=8 *# Max number of connections that can be allocated by the pool at a given time. Use a negative value for no limit.*

spring.redis.pool.max-idle=8 *# Max number of "idle" connections in the pool. Use a negative value to indicate an unlimited number of idle connections.*

spring.redis.pool.max-wait=-1 *# Maximum amount of time (in milliseconds) a connection allocation should block before throwing an exception when the pool is exhausted. Use a negative value to block indefinitely.*

spring.redis.pool.min-idle=0 *# Target for the minimum number of idle connections to maintain in the pool. This setting only has an effect if it is positive.*

spring.redis.port=6379 *# Redis server port.*

spring.redis.sentinel.master= *# Name of Redis server.*

spring.redis.sentinel.nodes= *# Comma-separated list of host:port pairs.*

spring.redis.timeout=0 *# Connection timeout in milliseconds.*

*# TRANSACTION (*[TransactionProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/transaction/TransactionProperties.java))

spring.transaction.default-timeout= *# Default transaction timeout in seconds.*

spring.transaction.rollback-on-commit-failure= *# Perform the rollback on commit failures.*

*# ----------------------------------------*

*# INTEGRATION PROPERTIES*

*# ----------------------------------------*

*# ACTIVEMQ (*[ActiveMQProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/jms/activemq/ActiveMQProperties.java))

spring.activemq.broker-url= *# URL of the ActiveMQ broker. Auto-generated by default. For instance `tcp://localhost:61616`*

spring.activemq.in-memory=true *# Specify if the default broker URL should be in memory. Ignored if an explicit broker has been specified.*

spring.activemq.password= *# Login password of the broker.*

spring.activemq.user= *# Login user of the broker.*

spring.activemq.packages.trust-all=false *# Trust all packages.*

spring.activemq.packages.trusted= *# Comma-separated list of specific packages to trust (when not trusting all packages).*

spring.activemq.pool.configuration.\*= *# See PooledConnectionFactory.*

spring.activemq.pool.enabled=false *# Whether a PooledConnectionFactory should be created instead of a regular ConnectionFactory.*

spring.activemq.pool.expiry-timeout=0 *# Connection expiration timeout in milliseconds.*

spring.activemq.pool.idle-timeout=30000 *# Connection idle timeout in milliseconds.*

spring.activemq.pool.max-connections=1 *# Maximum number of pooled connections.*

*# ARTEMIS (*[ArtemisProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/jms/artemis/ArtemisProperties.java))

spring.artemis.embedded.cluster-password= *# Cluster password. Randomly generated on startup by default.*

spring.artemis.embedded.data-directory= *# Journal file directory. Not necessary if persistence is turned off.*

spring.artemis.embedded.enabled=true *# Enable embedded mode if the Artemis server APIs are available.*

spring.artemis.embedded.persistent=false *# Enable persistent store.*

spring.artemis.embedded.queues= *# Comma-separated list of queues to create on startup.*

spring.artemis.embedded.server-id= *# Server id. By default, an auto-incremented counter is used.*

spring.artemis.embedded.topics= *# Comma-separated list of topics to create on startup.*

spring.artemis.host=localhost *# Artemis broker host.*

spring.artemis.mode= *# Artemis deployment mode, auto-detected by default.*

spring.artemis.password= *# Login password of the broker.*

spring.artemis.port=61616 *# Artemis broker port.*

spring.artemis.user= *# Login user of the broker.*

*# SPRING BATCH (*[BatchProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/batch/BatchProperties.java))

spring.batch.initializer.enabled= *# Create the required batch tables on startup if necessary. Enabled automatically if no custom table prefix is set or if a custom schema is configured.*

spring.batch.job.enabled=true *# Execute all Spring Batch jobs in the context on startup.*

spring.batch.job.names= *# Comma-separated list of job names to execute on startup (For instance `job1,job2`). By default, all Jobs found in the context are executed.*

spring.batch.schema=classpath:org/springframework/batch/core/schema-@@platform@@.sql *# Path to the SQL file to use to initialize the database schema.*

spring.batch.table-prefix= *# Table prefix for all the batch meta-data tables.*

*# JMS (*[JmsProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/jms/JmsProperties.java))

spring.jms.jndi-name= *# Connection factory JNDI name. When set, takes precedence to others connection factory auto-configurations.*

spring.jms.listener.acknowledge-mode= *# Acknowledge mode of the container. By default, the listener is transacted with automatic acknowledgment.*

spring.jms.listener.auto-startup=true *# Start the container automatically on startup.*

spring.jms.listener.concurrency= *# Minimum number of concurrent consumers.*

spring.jms.listener.max-concurrency= *# Maximum number of concurrent consumers.*

spring.jms.pub-sub-domain=false *# Specify if the default destination type is topic.*

spring.jms.template.default-destination= *# Default destination to use on send/receive operations that do not have a destination parameter.*

spring.jms.template.delivery-delay= *# Delivery delay to use for send calls in milliseconds.*

spring.jms.template.delivery-mode= *# Delivery mode. Enable QoS when set.*

spring.jms.template.priority= *# Priority of a message when sending. Enable QoS when set.*

spring.jms.template.qos-enabled= *# Enable explicit QoS when sending a message.*

spring.jms.template.receive-timeout= *# Timeout to use for receive calls in milliseconds.*

spring.jms.template.time-to-live= *# Time-to-live of a message when sending in milliseconds. Enable QoS when set.*

*# APACHE KAFKA (*[KafkaProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/kafka/KafkaProperties.java))

spring.kafka.bootstrap-servers= *# Comma-delimited list of host:port pairs to use for establishing the initial connection to the Kafka cluster.*

spring.kafka.client-id= *# Id to pass to the server when making requests; used for server-side logging.*

spring.kafka.consumer.auto-commit-interval= *# Frequency in milliseconds that the consumer offsets are auto-committed to Kafka if 'enable.auto.commit' true.*

spring.kafka.consumer.auto-offset-reset= *# What to do when there is no initial offset in Kafka or if the current offset does not exist any more on the server.*

spring.kafka.consumer.bootstrap-servers= *# Comma-delimited list of host:port pairs to use for establishing the initial connection to the Kafka cluster.*

spring.kafka.consumer.client-id= *# Id to pass to the server when making requests; used for server-side logging.*

spring.kafka.consumer.enable-auto-commit= *# If true the consumer's offset will be periodically committed in the background.*

spring.kafka.consumer.fetch-max-wait= *# Maximum amount of time in milliseconds the server will block before answering the fetch request if there isn't sufficient data to immediately satisfy the requirement given by "fetch.min.bytes".*

spring.kafka.consumer.fetch-min-size= *# Minimum amount of data the server should return for a fetch request in bytes.*

spring.kafka.consumer.group-id= *# Unique string that identifies the consumer group this consumer belongs to.*

spring.kafka.consumer.heartbeat-interval= *# Expected time in milliseconds between heartbeats to the consumer coordinator.*

spring.kafka.consumer.key-deserializer= *# Deserializer class for keys.*

spring.kafka.consumer.max-poll-records= *# Maximum number of records returned in a single call to poll().*

spring.kafka.consumer.value-deserializer= *# Deserializer class for values.*

spring.kafka.listener.ack-count= *# Number of records between offset commits when ackMode is "COUNT" or "COUNT\_TIME".*

spring.kafka.listener.ack-mode= *# Listener AckMode; see the spring-kafka documentation.*

spring.kafka.listener.ack-time= *# Time in milliseconds between offset commits when ackMode is "TIME" or "COUNT\_TIME".*

spring.kafka.listener.concurrency= *# Number of threads to run in the listener containers.*

spring.kafka.listener.poll-timeout= *# Timeout in milliseconds to use when polling the consumer.*

spring.kafka.producer.acks= *# Number of acknowledgments the producer requires the leader to have received before considering a request complete.*

spring.kafka.producer.batch-size= *# Number of records to batch before sending.*

spring.kafka.producer.bootstrap-servers= *# Comma-delimited list of host:port pairs to use for establishing the initial connection to the Kafka cluster.*

spring.kafka.producer.buffer-memory= *# Total bytes of memory the producer can use to buffer records waiting to be sent to the server.*

spring.kafka.producer.client-id= *# Id to pass to the server when making requests; used for server-side logging.*

spring.kafka.producer.compression-type= *# Compression type for all data generated by the producer.*

spring.kafka.producer.key-serializer= *# Serializer class for keys.*

spring.kafka.producer.retries= *# When greater than zero, enables retrying of failed sends.*

spring.kafka.producer.value-serializer= *# Serializer class for values.*

spring.kafka.properties.\*= *# Additional properties used to configure the client.*

spring.kafka.ssl.key-password= *# Password of the private key in the key store file.*

spring.kafka.ssl.keystore-location= *# Location of the key store file.*

spring.kafka.ssl.keystore-password= *# Store password for the key store file.*

spring.kafka.ssl.truststore-location= *# Location of the trust store file.*

spring.kafka.ssl.truststore-password= *# Store password for the trust store file.*

spring.kafka.template.default-topic= *# Default topic to which messages will be sent.*

*# RABBIT (*[RabbitProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-autoconfigure/src/main/java/org/springframework/boot/autoconfigure/amqp/RabbitProperties.java))

spring.rabbitmq.addresses= *# Comma-separated list of addresses to which the client should connect.*

spring.rabbitmq.cache.channel.checkout-timeout= *# Number of milliseconds to wait to obtain a channel if the cache size has been reached.*

spring.rabbitmq.cache.channel.size= *# Number of channels to retain in the cache.*

spring.rabbitmq.cache.connection.mode=channel *# Connection factory cache mode.*

spring.rabbitmq.cache.connection.size= *# Number of connections to cache.*

spring.rabbitmq.connection-timeout= *# Connection timeout, in milliseconds; zero for infinite.*

spring.rabbitmq.dynamic=true *# Create an AmqpAdmin bean.*

spring.rabbitmq.host=localhost *# RabbitMQ host.*

spring.rabbitmq.listener.acknowledge-mode= *# Acknowledge mode of container.*

spring.rabbitmq.listener.auto-startup=true *# Start the container automatically on startup.*

spring.rabbitmq.listener.concurrency= *# Minimum number of consumers.*

spring.rabbitmq.listener.default-requeue-rejected= *# Whether or not to requeue delivery failures; default `true`.*

spring.rabbitmq.listener.idle-event-interval= *# How often idle container events should be published in milliseconds.*

spring.rabbitmq.listener.max-concurrency= *# Maximum number of consumers.*

spring.rabbitmq.listener.prefetch= *# Number of messages to be handled in a single request. It should be greater than or equal to the transaction size (if used).*

spring.rabbitmq.listener.retry.enabled=false *# Whether or not publishing retries are enabled.*

spring.rabbitmq.listener.retry.initial-interval=1000 *# Interval between the first and second attempt to deliver a message.*

spring.rabbitmq.listener.retry.max-attempts=3 *# Maximum number of attempts to deliver a message.*

spring.rabbitmq.listener.retry.max-interval=10000 *# Maximum interval between attempts.*

spring.rabbitmq.listener.retry.multiplier=1.0 *# A multiplier to apply to the previous delivery retry interval.*

spring.rabbitmq.listener.retry.stateless=true *# Whether or not retry is stateless or stateful.*

spring.rabbitmq.listener.transaction-size= *# Number of messages to be processed in a transaction. For best results it should be less than or equal to the prefetch count.*

spring.rabbitmq.password= *# Login to authenticate against the broker.*

spring.rabbitmq.port=5672 *# RabbitMQ port.*

spring.rabbitmq.publisher-confirms=false *# Enable publisher confirms.*

spring.rabbitmq.publisher-returns=false *# Enable publisher returns.*

spring.rabbitmq.requested-heartbeat= *# Requested heartbeat timeout, in seconds; zero for none.*

spring.rabbitmq.ssl.enabled=false *# Enable SSL support.*

spring.rabbitmq.ssl.key-store= *# Path to the key store that holds the SSL certificate.*

spring.rabbitmq.ssl.key-store-password= *# Password used to access the key store.*

spring.rabbitmq.ssl.trust-store= *# Trust store that holds SSL certificates.*

spring.rabbitmq.ssl.trust-store-password= *# Password used to access the trust store.*

spring.rabbitmq.ssl.algorithm= *# SSL algorithm to use. By default configure by the rabbit client library.*

spring.rabbitmq.template.mandatory=false *# Enable mandatory messages.*

spring.rabbitmq.template.receive-timeout=0 *# Timeout for `receive()` methods.*

spring.rabbitmq.template.reply-timeout=5000 *# Timeout for `sendAndReceive()` methods.*

spring.rabbitmq.template.retry.enabled=false *# Set to true to enable retries in the `RabbitTemplate`.*

spring.rabbitmq.template.retry.initial-interval=1000 *# Interval between the first and second attempt to publish a message.*

spring.rabbitmq.template.retry.max-attempts=3 *# Maximum number of attempts to publish a message.*

spring.rabbitmq.template.retry.max-interval=10000 *# Maximum number of attempts to publish a message.*

spring.rabbitmq.template.retry.multiplier=1.0 *# A multiplier to apply to the previous publishing retry interval.*

spring.rabbitmq.username= *# Login user to authenticate to the broker.*

spring.rabbitmq.virtual-host= *# Virtual host to use when connecting to the broker.*

*# ----------------------------------------*

*# ACTUATOR PROPERTIES*

*# ----------------------------------------*

*# ENDPOINTS (*[AbstractEndpoint](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-actuator/src/main/java/org/springframework/boot/actuate/endpoint/AbstractEndpoint.java) subclasses)

endpoints.enabled=true *# Enable endpoints.*

endpoints.sensitive= *# Default endpoint sensitive setting.*

endpoints.actuator.enabled=true *# Enable the endpoint.*

endpoints.actuator.path= *# Endpoint URL path.*

endpoints.actuator.sensitive=false *# Enable security on the endpoint.*

endpoints.auditevents.enabled= *# Enable the endpoint.*

endpoints.auditevents.path= *# Endpoint path.*

endpoints.auditevents.sensitive=false *# Enable security on the endpoint.*

endpoints.autoconfig.enabled= *# Enable the endpoint.*

endpoints.autoconfig.id= *# Endpoint identifier.*

endpoints.autoconfig.path= *# Endpoint path.*

endpoints.autoconfig.sensitive= *# Mark if the endpoint exposes sensitive information.*

endpoints.beans.enabled= *# Enable the endpoint.*

endpoints.beans.id= *# Endpoint identifier.*

endpoints.beans.path= *# Endpoint path.*

endpoints.beans.sensitive= *# Mark if the endpoint exposes sensitive information.*

endpoints.configprops.enabled= *# Enable the endpoint.*

endpoints.configprops.id= *# Endpoint identifier.*

endpoints.configprops.keys-to-sanitize=password,secret,key,token,.\*credentials.\*,vcap\_services *# Keys that should be sanitized. Keys can be simple strings that the property ends with or regex expressions.*

endpoints.configprops.path= *# Endpoint path.*

endpoints.configprops.sensitive= *# Mark if the endpoint exposes sensitive information.*

endpoints.docs.curies.enabled=false *# Enable the curie generation.*

endpoints.docs.enabled=true *# Enable actuator docs endpoint.*

endpoints.docs.path=/docs *#*

endpoints.docs.sensitive=false *#*

endpoints.dump.enabled= *# Enable the endpoint.*

endpoints.dump.id= *# Endpoint identifier.*

endpoints.dump.path= *# Endpoint path.*

endpoints.dump.sensitive= *# Mark if the endpoint exposes sensitive information.*

endpoints.env.enabled= *# Enable the endpoint.*

endpoints.env.id= *# Endpoint identifier.*

endpoints.env.keys-to-sanitize=password,secret,key,token,.\*credentials.\*,vcap\_services *# Keys that should be sanitized. Keys can be simple strings that the property ends with or regex expressions.*

endpoints.env.path= *# Endpoint path.*

endpoints.env.sensitive= *# Mark if the endpoint exposes sensitive information.*

endpoints.flyway.enabled= *# Enable the endpoint.*

endpoints.flyway.id= *# Endpoint identifier.*

endpoints.flyway.sensitive= *# Mark if the endpoint exposes sensitive information.*

endpoints.health.enabled= *# Enable the endpoint.*

endpoints.health.id= *# Endpoint identifier.*

endpoints.health.mapping.\*= *# Mapping of health statuses to HttpStatus codes. By default, registered health statuses map to sensible defaults (i.e. UP maps to 200).*

endpoints.health.path= *# Endpoint path.*

endpoints.health.sensitive= *# Mark if the endpoint exposes sensitive information.*

endpoints.health.time-to-live=1000 *# Time to live for cached result, in milliseconds.*

endpoints.heapdump.enabled= *# Enable the endpoint.*

endpoints.heapdump.path= *# Endpoint path.*

endpoints.heapdump.sensitive= *# Mark if the endpoint exposes sensitive information.*

endpoints.hypermedia.enabled=false *# Enable hypermedia support for endpoints.*

endpoints.info.enabled= *# Enable the endpoint.*

endpoints.info.id= *# Endpoint identifier.*

endpoints.info.path= *# Endpoint path.*

endpoints.info.sensitive= *# Mark if the endpoint exposes sensitive information.*

endpoints.jolokia.enabled=true *# Enable Jolokia endpoint.*

endpoints.jolokia.path=/jolokia *# Endpoint URL path.*

endpoints.jolokia.sensitive=true *# Enable security on the endpoint.*

endpoints.liquibase.enabled= *# Enable the endpoint.*

endpoints.liquibase.id= *# Endpoint identifier.*

endpoints.liquibase.sensitive= *# Mark if the endpoint exposes sensitive information.*

endpoints.logfile.enabled=true *# Enable the endpoint.*

endpoints.logfile.external-file= *# External Logfile to be accessed.*

endpoints.logfile.path=/logfile *# Endpoint URL path.*

endpoints.logfile.sensitive=true *# Enable security on the endpoint.*

endpoints.loggers.enabled=true *# Enable the endpoint.*

endpoints.loggers.id= *# Endpoint identifier.*

endpoints.loggers.path=/logfile *# Endpoint path.*

endpoints.loggers.sensitive=true *# Mark if the endpoint exposes sensitive information.*

endpoints.mappings.enabled= *# Enable the endpoint.*

endpoints.mappings.id= *# Endpoint identifier.*

endpoints.mappings.path= *# Endpoint path.*

endpoints.mappings.sensitive= *# Mark if the endpoint exposes sensitive information.*

endpoints.metrics.enabled= *# Enable the endpoint.*

endpoints.metrics.filter.enabled=true *# Enable the metrics servlet filter.*

endpoints.metrics.filter.gauge-submissions=merged *# Http filter gauge submissions (merged, per-http-method)*

endpoints.metrics.filter.counter-submissions=merged *# Http filter counter submissions (merged, per-http-method)*

endpoints.metrics.id= *# Endpoint identifier.*

endpoints.metrics.path= *# Endpoint path.*

endpoints.metrics.sensitive= *# Mark if the endpoint exposes sensitive information.*

endpoints.shutdown.enabled= *# Enable the endpoint.*

endpoints.shutdown.id= *# Endpoint identifier.*

endpoints.shutdown.path= *# Endpoint path.*

endpoints.shutdown.sensitive= *# Mark if the endpoint exposes sensitive information.*

endpoints.trace.enabled= *# Enable the endpoint.*

endpoints.trace.id= *# Endpoint identifier.*

endpoints.trace.path= *# Endpoint path.*

endpoints.trace.sensitive= *# Mark if the endpoint exposes sensitive information.*

*# ENDPOINTS CORS CONFIGURATION (*[EndpointCorsProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-actuator/src/main/java/org/springframework/boot/actuate/autoconfigure/EndpointCorsProperties.java))

endpoints.cors.allow-credentials= *# Set whether credentials are supported. When not set, credentials are not supported.*

endpoints.cors.allowed-headers= *# Comma-separated list of headers to allow in a request. '\*' allows all headers.*

endpoints.cors.allowed-methods=GET *# Comma-separated list of methods to allow. '\*' allows all methods.*

endpoints.cors.allowed-origins= *# Comma-separated list of origins to allow. '\*' allows all origins. When not set, CORS support is disabled.*

endpoints.cors.exposed-headers= *# Comma-separated list of headers to include in a response.*

endpoints.cors.max-age=1800 *# How long, in seconds, the response from a pre-flight request can be cached by clients.*

*# JMX ENDPOINT (*[EndpointMBeanExportProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-actuator/src/main/java/org/springframework/boot/actuate/autoconfigure/EndpointMBeanExportProperties.java))

endpoints.jmx.domain= *# JMX domain name. Initialized with the value of 'spring.jmx.default-domain' if set.*

endpoints.jmx.enabled=true *# Enable JMX export of all endpoints.*

endpoints.jmx.static-names= *# Additional static properties to append to all ObjectNames of MBeans representing Endpoints.*

endpoints.jmx.unique-names=false *# Ensure that ObjectNames are modified in case of conflict.*

*# JOLOKIA (*[JolokiaProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-actuator/src/main/java/org/springframework/boot/actuate/autoconfigure/JolokiaProperties.java))

jolokia.config.\*= *# See Jolokia manual*

*# MANAGEMENT HTTP SERVER (*[ManagementServerProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-actuator/src/main/java/org/springframework/boot/actuate/autoconfigure/ManagementServerProperties.java))

management.add-application-context-header=true *# Add the "X-Application-Context" HTTP header in each response.*

management.address= *# Network address that the management endpoints should bind to.*

management.context-path= *# Management endpoint context-path. For instance `/actuator`*

management.cloudfoundry.enabled= *# Enable extended Cloud Foundry actuator endpoints*

management.cloudfoundry.skip-ssl-validation= *# Skip SSL verification for Cloud Foundry actuator endpoint security calls*

management.port= *# Management endpoint HTTP port. Uses the same port as the application by default. Configure a different port to use management-specific SSL.*

management.security.enabled=true *# Enable security.*

management.security.roles=ACTUATOR *# Comma-separated list of roles that can access the management endpoint.*

management.security.sessions=stateless *# Session creating policy to use (always, never, if\_required, stateless).*

management.ssl.ciphers= *# Supported SSL ciphers. Requires a custom management.port.*

management.ssl.client-auth= *# Whether client authentication is wanted ("want") or needed ("need"). Requires a trust store. Requires a custom management.port.*

management.ssl.enabled= *# Enable SSL support. Requires a custom management.port.*

management.ssl.enabled-protocols= *# Enabled SSL protocols. Requires a custom management.port.*

management.ssl.key-alias= *# Alias that identifies the key in the key store. Requires a custom management.port.*

management.ssl.key-password= *# Password used to access the key in the key store. Requires a custom management.port.*

management.ssl.key-store= *# Path to the key store that holds the SSL certificate (typically a jks file). Requires a custom management.port.*

management.ssl.key-store-password= *# Password used to access the key store. Requires a custom management.port.*

management.ssl.key-store-provider= *# Provider for the key store. Requires a custom management.port.*

management.ssl.key-store-type= *# Type of the key store. Requires a custom management.port.*

management.ssl.protocol=TLS *# SSL protocol to use. Requires a custom management.port.*

management.ssl.trust-store= *# Trust store that holds SSL certificates. Requires a custom management.port.*

management.ssl.trust-store-password= *# Password used to access the trust store. Requires a custom management.port.*

management.ssl.trust-store-provider= *# Provider for the trust store. Requires a custom management.port.*

management.ssl.trust-store-type= *# Type of the trust store. Requires a custom management.port.*

*# HEALTH INDICATORS*

management.health.db.enabled=true *# Enable database health check.*

management.health.cassandra.enabled=true *# Enable cassandra health check.*

management.health.couchbase.enabled=true *# Enable couchbase health check.*

management.health.defaults.enabled=true *# Enable default health indicators.*

management.health.diskspace.enabled=true *# Enable disk space health check.*

management.health.diskspace.path= *# Path used to compute the available disk space.*

management.health.diskspace.threshold=0 *# Minimum disk space that should be available, in bytes.*

management.health.elasticsearch.enabled=true *# Enable elasticsearch health check.*

management.health.elasticsearch.indices= *# Comma-separated index names.*

management.health.elasticsearch.response-timeout=100 *# The time, in milliseconds, to wait for a response from the cluster.*

management.health.jms.enabled=true *# Enable JMS health check.*

management.health.ldap.enabled=true *# Enable LDAP health check.*

management.health.mail.enabled=true *# Enable Mail health check.*

management.health.mongo.enabled=true *# Enable MongoDB health check.*

management.health.rabbit.enabled=true *# Enable RabbitMQ health check.*

management.health.redis.enabled=true *# Enable Redis health check.*

management.health.solr.enabled=true *# Enable Solr health check.*

management.health.status.order=DOWN, OUT\_OF\_SERVICE, UP, UNKNOWN *# Comma-separated list of health statuses in order of severity.*

*# INFO CONTRIBUTORS (*[InfoContributorProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-actuator/src/main/java/org/springframework/boot/actuate/autoconfigure/InfoContributorProperties.java))

management.info.build.enabled=true *# Enable build info.*

management.info.defaults.enabled=true *# Enable default info contributors.*

management.info.env.enabled=true *# Enable environment info.*

management.info.git.enabled=true *# Enable git info.*

management.info.git.mode=simple *# Mode to use to expose git information.*

*# REMOTE SHELL (*[ShellProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-actuator/src/main/java/org/springframework/boot/actuate/autoconfigure/ShellProperties.java))

management.shell.auth.type=simple *# Authentication type. Auto-detected according to the environment.*

management.shell.auth.jaas.domain=my-domain *# JAAS domain.*

management.shell.auth.key.path= *# Path to the authentication key. This should point to a valid ".pem" file.*

management.shell.auth.simple.user.name=user *# Login user.*

management.shell.auth.simple.user.password= *# Login password.*

management.shell.auth.spring.roles=ACTUATOR *# Comma-separated list of required roles to login to the CRaSH console.*

management.shell.command-path-patterns=classpath\*:/commands/\*\*,classpath\*:/crash/commands/\*\* *# Patterns to use to look for commands.*

management.shell.command-refresh-interval=-1 *# Scan for changes and update the command if necessary (in seconds).*

management.shell.config-path-patterns=classpath\*:/crash/\* *# Patterns to use to look for configurations.*

management.shell.disabled-commands=jpa\*,jdbc\*,jndi\* *# Comma-separated list of commands to disable.*

management.shell.disabled-plugins= *# Comma-separated list of plugins to disable. Certain plugins are disabled by default based on the environment.*

management.shell.ssh.auth-timeout = *# Number of milliseconds after user will be prompted to login again.*

management.shell.ssh.enabled=true *# Enable CRaSH SSH support.*

management.shell.ssh.idle-timeout = *# Number of milliseconds after which unused connections are closed.*

management.shell.ssh.key-path= *# Path to the SSH server key.*

management.shell.ssh.port=2000 *# SSH port.*

management.shell.telnet.enabled=false *# Enable CRaSH telnet support. Enabled by default if the TelnetPlugin is available.*

management.shell.telnet.port=5000 *# Telnet port.*

*# TRACING (*[TraceProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-actuator/src/main/java/org/springframework/boot/actuate/trace/TraceProperties.java))

management.trace.include=request-headers,response-headers,cookies,errors *# Items to be included in the trace.*

*# METRICS EXPORT (*[MetricExportProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-actuator/src/main/java/org/springframework/boot/actuate/metrics/export/MetricExportProperties.java))

spring.metrics.export.aggregate.key-pattern= *# Pattern that tells the aggregator what to do with the keys from the source repository.*

spring.metrics.export.aggregate.prefix= *# Prefix for global repository if active.*

spring.metrics.export.delay-millis=5000 *# Delay in milliseconds between export ticks. Metrics are exported to external sources on a schedule with this delay.*

spring.metrics.export.enabled=true *# Flag to enable metric export (assuming a MetricWriter is available).*

spring.metrics.export.excludes= *# List of patterns for metric names to exclude. Applied after the includes.*

spring.metrics.export.includes= *# List of patterns for metric names to include.*

spring.metrics.export.redis.key=keys.spring.metrics *# Key for redis repository export (if active).*

spring.metrics.export.redis.prefix=spring.metrics *# Prefix for redis repository if active.*

spring.metrics.export.send-latest= *# Flag to switch off any available optimizations based on not exporting unchanged metric values.*

spring.metrics.export.statsd.host= *# Host of a statsd server to receive exported metrics.*

spring.metrics.export.statsd.port=8125 *# Port of a statsd server to receive exported metrics.*

spring.metrics.export.statsd.prefix= *# Prefix for statsd exported metrics.*

spring.metrics.export.triggers.\*= *# Specific trigger properties per MetricWriter bean name.*

*# ----------------------------------------*

*# DEVTOOLS PROPERTIES*

*# ----------------------------------------*

*# DEVTOOLS (*[DevToolsProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-devtools/src/main/java/org/springframework/boot/devtools/autoconfigure/DevToolsProperties.java))

spring.devtools.livereload.enabled=true *# Enable a livereload.com compatible server.*

spring.devtools.livereload.port=35729 *# Server port.*

spring.devtools.restart.additional-exclude= *# Additional patterns that should be excluded from triggering a full restart.*

spring.devtools.restart.additional-paths= *# Additional paths to watch for changes.*

spring.devtools.restart.enabled=true *# Enable automatic restart.*

spring.devtools.restart.exclude=META-INF/maven/\*\*,META-INF/resources/\*\*,resources/\*\*,static/\*\*,public/\*\*,templates/\*\*,\*\*/\*Test.class,\*\*/\*Tests.class,git.properties *# Patterns that should be excluded from triggering a full restart.*

spring.devtools.restart.poll-interval=1000 *# Amount of time (in milliseconds) to wait between polling for classpath changes.*

spring.devtools.restart.quiet-period=400 *# Amount of quiet time (in milliseconds) required without any classpath changes before a restart is triggered.*

spring.devtools.restart.trigger-file= *# Name of a specific file that when changed will trigger the restart check. If not specified any classpath file change will trigger the restart.*

*# REMOTE DEVTOOLS (*[RemoteDevToolsProperties](https://github.com/spring-projects/spring-boot/tree/v1.5.2.RELEASE/spring-boot-devtools/src/main/java/org/springframework/boot/devtools/autoconfigure/RemoteDevToolsProperties.java))

spring.devtools.remote.context-path=/.~~spring-boot!~ *# Context path used to handle the remote connection.*

spring.devtools.remote.debug.enabled=true *# Enable remote debug support.*

spring.devtools.remote.debug.local-port=8000 *# Local remote debug server port.*

spring.devtools.remote.proxy.host= *# The host of the proxy to use to connect to the remote application.*

spring.devtools.remote.proxy.port= *# The port of the proxy to use to connect to the remote application.*

spring.devtools.remote.restart.enabled=true *# Enable remote restart.*

spring.devtools.remote.secret= *# A shared secret required to establish a connection (required to enable remote support).*

spring.devtools.remote.secret-header-name=X-AUTH-TOKEN *# HTTP header used to transfer the shared secret.*

*# ----------------------------------------*

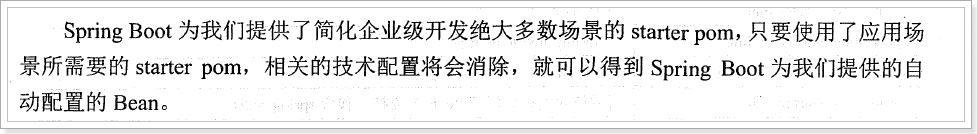
*# TESTING PROPERTIES*

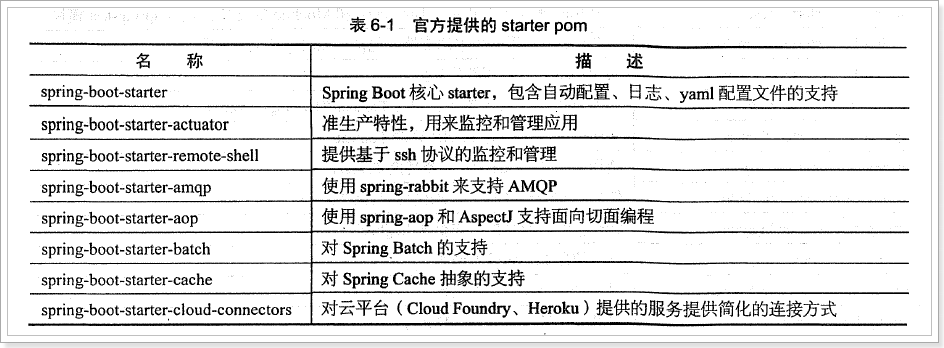
*# ----------------------------------------*

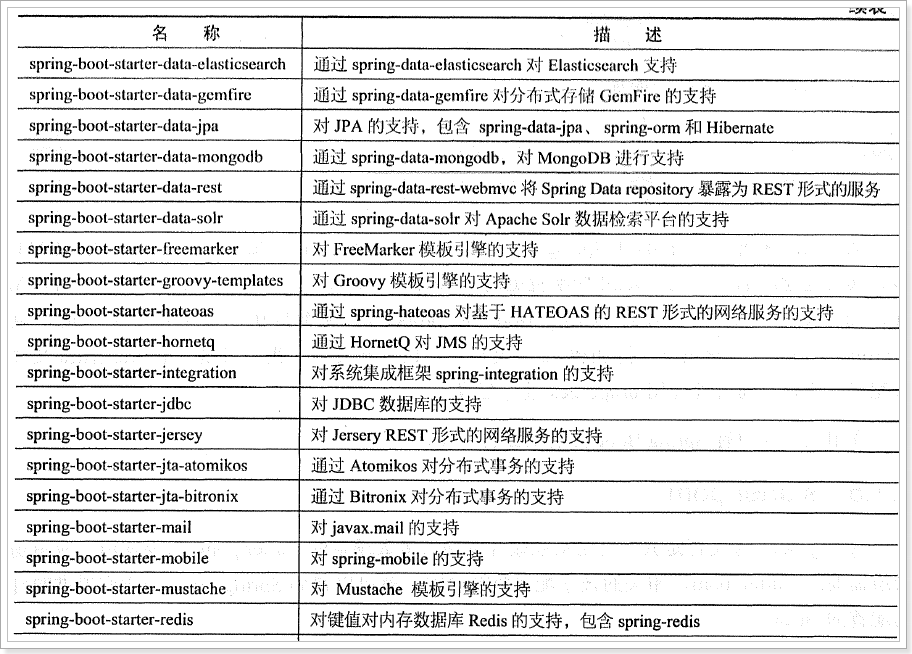
spring.test.database.replace=any *# Type of existing DataSource to replace.*

spring.test.mockmvc.print=default *# MVC Print option.*

### Starter pom









### Xml 配置文件



### 日志

Spring Boot对各种日志框架都做了支持，我们可以通过配置来修改默认的日志的配置：

#设置日志级别

logging.level.org.springframework=DEBUG

格式：

logging.level.\*= *# Log levels severity mapping. For instance `logging.level.org.springframework=DEBUG`*

## Spring Boot的自动配置的原理

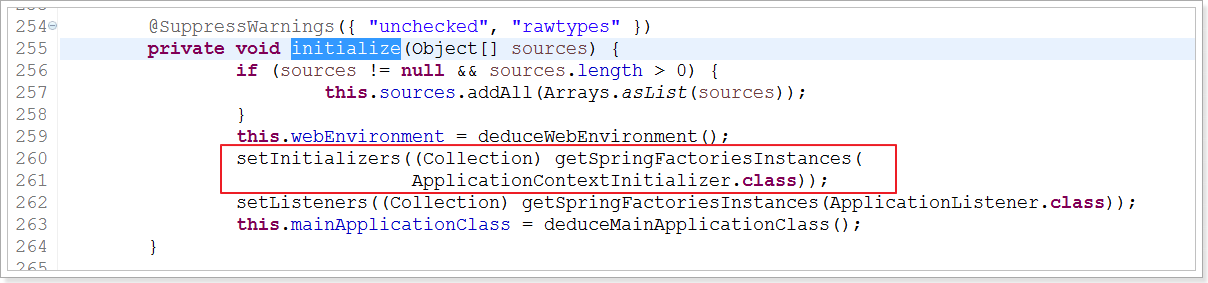
Spring Boot在进行SpringApplication对象实例化时会加载META-INF/spring.factories文件，将该配置文件中的配置载入到Spring容器。

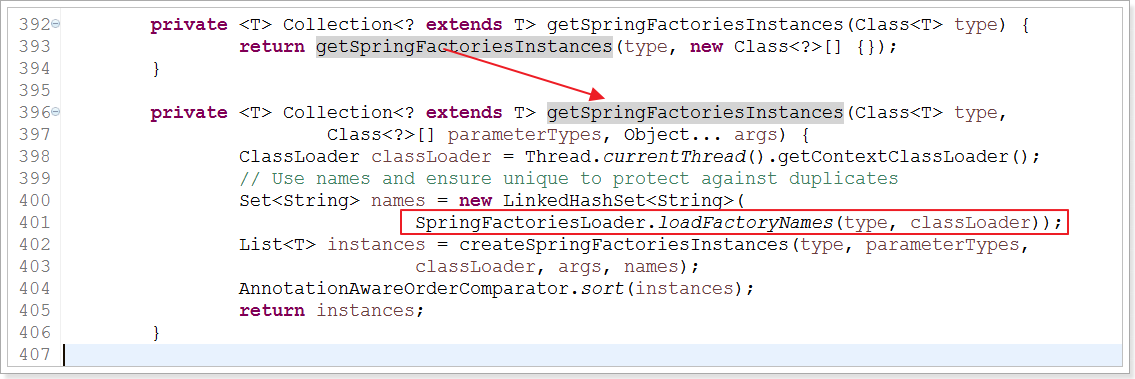
### Maven下载源码

通过 dependency:sources 该命令可以下载该项目中所有的依赖的包的源码。

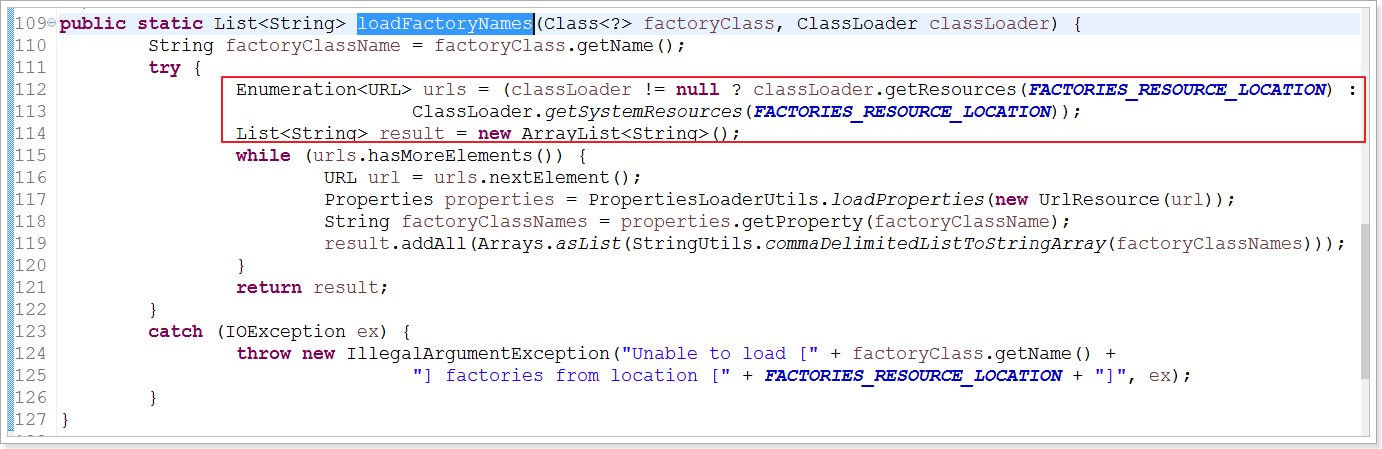
### 源码分析

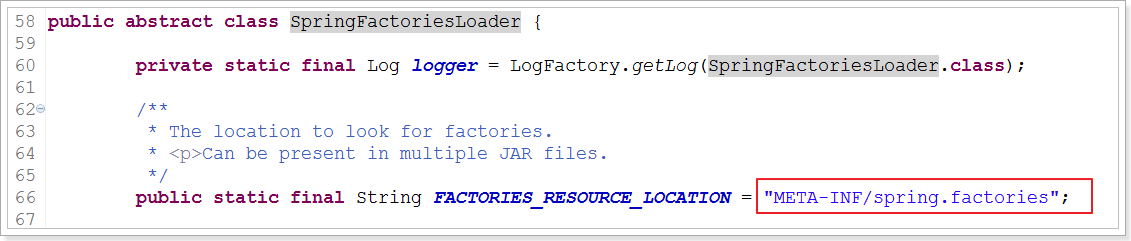
org.springframework.boot.SpringApplication：





org.springframework.core.io.support.SpringFactoriesLoader:





由此可见，读取该配置文件来加载内容。

### Spring.factories文件

# Initializers

org.springframework.context.ApplicationContextInitializer=\

org.springframework.boot.autoconfigure.SharedMetadataReaderFactoryContextInitializer,\

org.springframework.boot.autoconfigure.logging.AutoConfigurationReportLoggingInitializer

# Application Listeners

org.springframework.context.ApplicationListener=\

org.springframework.boot.autoconfigure.BackgroundPreinitializer

# Auto Configuration Import Listeners

org.springframework.boot.autoconfigure.AutoConfigurationImportListener=\

org.springframework.boot.autoconfigure.condition.ConditionEvaluationReportAutoConfigurationImportListener

# Auto Configuration Import Filters

org.springframework.boot.autoconfigure.AutoConfigurationImportFilter=\

org.springframework.boot.autoconfigure.condition.OnClassCondition

# Auto Configure

org.springframework.boot.autoconfigure.EnableAutoConfiguration=\

org.springframework.boot.autoconfigure.admin.SpringApplicationAdminJmxAutoConfiguration,\

org.springframework.boot.autoconfigure.aop.AopAutoConfiguration,\

org.springframework.boot.autoconfigure.amqp.RabbitAutoConfiguration,\

org.springframework.boot.autoconfigure.batch.BatchAutoConfiguration,\

org.springframework.boot.autoconfigure.cache.CacheAutoConfiguration,\

org.springframework.boot.autoconfigure.cassandra.CassandraAutoConfiguration,\

org.springframework.boot.autoconfigure.cloud.CloudAutoConfiguration,\

org.springframework.boot.autoconfigure.context.ConfigurationPropertiesAutoConfiguration,\

org.springframework.boot.autoconfigure.context.MessageSourceAutoConfiguration,\

org.springframework.boot.autoconfigure.context.PropertyPlaceholderAutoConfiguration,\

org.springframework.boot.autoconfigure.couchbase.CouchbaseAutoConfiguration,\

org.springframework.boot.autoconfigure.dao.PersistenceExceptionTranslationAutoConfiguration,\

org.springframework.boot.autoconfigure.data.cassandra.CassandraDataAutoConfiguration,\

org.springframework.boot.autoconfigure.data.cassandra.CassandraRepositoriesAutoConfiguration,\

org.springframework.boot.autoconfigure.data.couchbase.CouchbaseDataAutoConfiguration,\

org.springframework.boot.autoconfigure.data.couchbase.CouchbaseRepositoriesAutoConfiguration,\

org.springframework.boot.autoconfigure.data.elasticsearch.ElasticsearchAutoConfiguration,\

org.springframework.boot.autoconfigure.data.elasticsearch.ElasticsearchDataAutoConfiguration,\

org.springframework.boot.autoconfigure.data.elasticsearch.ElasticsearchRepositoriesAutoConfiguration,\

org.springframework.boot.autoconfigure.data.jpa.JpaRepositoriesAutoConfiguration,\

org.springframework.boot.autoconfigure.data.ldap.LdapDataAutoConfiguration,\

org.springframework.boot.autoconfigure.data.ldap.LdapRepositoriesAutoConfiguration,\

org.springframework.boot.autoconfigure.data.mongo.MongoDataAutoConfiguration,\

org.springframework.boot.autoconfigure.data.mongo.MongoRepositoriesAutoConfiguration,\

org.springframework.boot.autoconfigure.data.neo4j.Neo4jDataAutoConfiguration,\

org.springframework.boot.autoconfigure.data.neo4j.Neo4jRepositoriesAutoConfiguration,\

org.springframework.boot.autoconfigure.data.solr.SolrRepositoriesAutoConfiguration,\

org.springframework.boot.autoconfigure.data.redis.RedisAutoConfiguration,\

org.springframework.boot.autoconfigure.data.redis.RedisRepositoriesAutoConfiguration,\

org.springframework.boot.autoconfigure.data.rest.RepositoryRestMvcAutoConfiguration,\

org.springframework.boot.autoconfigure.data.web.SpringDataWebAutoConfiguration,\

org.springframework.boot.autoconfigure.elasticsearch.jest.JestAutoConfiguration,\

org.springframework.boot.autoconfigure.freemarker.FreeMarkerAutoConfiguration,\

org.springframework.boot.autoconfigure.gson.GsonAutoConfiguration,\

org.springframework.boot.autoconfigure.h2.H2ConsoleAutoConfiguration,\

org.springframework.boot.autoconfigure.hateoas.HypermediaAutoConfiguration,\

org.springframework.boot.autoconfigure.hazelcast.HazelcastAutoConfiguration,\

org.springframework.boot.autoconfigure.hazelcast.HazelcastJpaDependencyAutoConfiguration,\

org.springframework.boot.autoconfigure.info.ProjectInfoAutoConfiguration,\

org.springframework.boot.autoconfigure.integration.IntegrationAutoConfiguration,\

org.springframework.boot.autoconfigure.jackson.JacksonAutoConfiguration,\

org.springframework.boot.autoconfigure.jdbc.DataSourceAutoConfiguration,\

org.springframework.boot.autoconfigure.jdbc.JdbcTemplateAutoConfiguration,\

org.springframework.boot.autoconfigure.jdbc.JndiDataSourceAutoConfiguration,\

org.springframework.boot.autoconfigure.jdbc.XADataSourceAutoConfiguration,\

org.springframework.boot.autoconfigure.jdbc.DataSourceTransactionManagerAutoConfiguration,\

org.springframework.boot.autoconfigure.jms.JmsAutoConfiguration,\

org.springframework.boot.autoconfigure.jmx.JmxAutoConfiguration,\

org.springframework.boot.autoconfigure.jms.JndiConnectionFactoryAutoConfiguration,\

org.springframework.boot.autoconfigure.jms.activemq.ActiveMQAutoConfiguration,\

org.springframework.boot.autoconfigure.jms.artemis.ArtemisAutoConfiguration,\

org.springframework.boot.autoconfigure.flyway.FlywayAutoConfiguration,\

org.springframework.boot.autoconfigure.groovy.template.GroovyTemplateAutoConfiguration,\

org.springframework.boot.autoconfigure.jersey.JerseyAutoConfiguration,\

org.springframework.boot.autoconfigure.jooq.JooqAutoConfiguration,\

org.springframework.boot.autoconfigure.kafka.KafkaAutoConfiguration,\

org.springframework.boot.autoconfigure.ldap.embedded.EmbeddedLdapAutoConfiguration,\

org.springframework.boot.autoconfigure.ldap.LdapAutoConfiguration,\

org.springframework.boot.autoconfigure.liquibase.LiquibaseAutoConfiguration,\

org.springframework.boot.autoconfigure.mail.MailSenderAutoConfiguration,\

org.springframework.boot.autoconfigure.mail.MailSenderValidatorAutoConfiguration,\

org.springframework.boot.autoconfigure.mobile.DeviceResolverAutoConfiguration,\

org.springframework.boot.autoconfigure.mobile.DeviceDelegatingViewResolverAutoConfiguration,\

org.springframework.boot.autoconfigure.mobile.SitePreferenceAutoConfiguration,\

org.springframework.boot.autoconfigure.mongo.embedded.EmbeddedMongoAutoConfiguration,\

org.springframework.boot.autoconfigure.mongo.MongoAutoConfiguration,\

org.springframework.boot.autoconfigure.mustache.MustacheAutoConfiguration,\

org.springframework.boot.autoconfigure.orm.jpa.HibernateJpaAutoConfiguration,\

org.springframework.boot.autoconfigure.reactor.ReactorAutoConfiguration,\

org.springframework.boot.autoconfigure.security.SecurityAutoConfiguration,\

org.springframework.boot.autoconfigure.security.SecurityFilterAutoConfiguration,\

org.springframework.boot.autoconfigure.security.FallbackWebSecurityAutoConfiguration,\

org.springframework.boot.autoconfigure.security.oauth2.OAuth2AutoConfiguration,\

org.springframework.boot.autoconfigure.sendgrid.SendGridAutoConfiguration,\

org.springframework.boot.autoconfigure.session.SessionAutoConfiguration,\

org.springframework.boot.autoconfigure.social.SocialWebAutoConfiguration,\

org.springframework.boot.autoconfigure.social.FacebookAutoConfiguration,\

org.springframework.boot.autoconfigure.social.LinkedInAutoConfiguration,\

org.springframework.boot.autoconfigure.social.TwitterAutoConfiguration,\

org.springframework.boot.autoconfigure.solr.SolrAutoConfiguration,\

org.springframework.boot.autoconfigure.thymeleaf.ThymeleafAutoConfiguration,\

org.springframework.boot.autoconfigure.transaction.TransactionAutoConfiguration,\

org.springframework.boot.autoconfigure.transaction.jta.JtaAutoConfiguration,\

org.springframework.boot.autoconfigure.validation.ValidationAutoConfiguration,\

org.springframework.boot.autoconfigure.web.DispatcherServletAutoConfiguration,\

org.springframework.boot.autoconfigure.web.EmbeddedServletContainerAutoConfiguration,\

org.springframework.boot.autoconfigure.web.ErrorMvcAutoConfiguration,\

org.springframework.boot.autoconfigure.web.HttpEncodingAutoConfiguration,\

org.springframework.boot.autoconfigure.web.HttpMessageConvertersAutoConfiguration,\

org.springframework.boot.autoconfigure.web.MultipartAutoConfiguration,\

org.springframework.boot.autoconfigure.web.ServerPropertiesAutoConfiguration,\

org.springframework.boot.autoconfigure.web.WebClientAutoConfiguration,\

org.springframework.boot.autoconfigure.web.WebMvcAutoConfiguration,\

org.springframework.boot.autoconfigure.websocket.WebSocketAutoConfiguration,\

org.springframework.boot.autoconfigure.websocket.WebSocketMessagingAutoConfiguration,\

org.springframework.boot.autoconfigure.webservices.WebServicesAutoConfiguration

# Failure analyzers

org.springframework.boot.diagnostics.FailureAnalyzer=\

org.springframework.boot.autoconfigure.diagnostics.analyzer.NoSuchBeanDefinitionFailureAnalyzer,\

org.springframework.boot.autoconfigure.jdbc.DataSourceBeanCreationFailureAnalyzer,\

org.springframework.boot.autoconfigure.jdbc.HikariDriverConfigurationFailureAnalyzer

# Template availability providers

org.springframework.boot.autoconfigure.template.TemplateAvailabilityProvider=\

org.springframework.boot.autoconfigure.freemarker.FreeMarkerTemplateAvailabilityProvider,\

org.springframework.boot.autoconfigure.mustache.MustacheTemplateAvailabilityProvider,\

org.springframework.boot.autoconfigure.groovy.template.GroovyTemplateAvailabilityProvider,\

org.springframework.boot.autoconfigure.thymeleaf.ThymeleafTemplateAvailabilityProvider,\

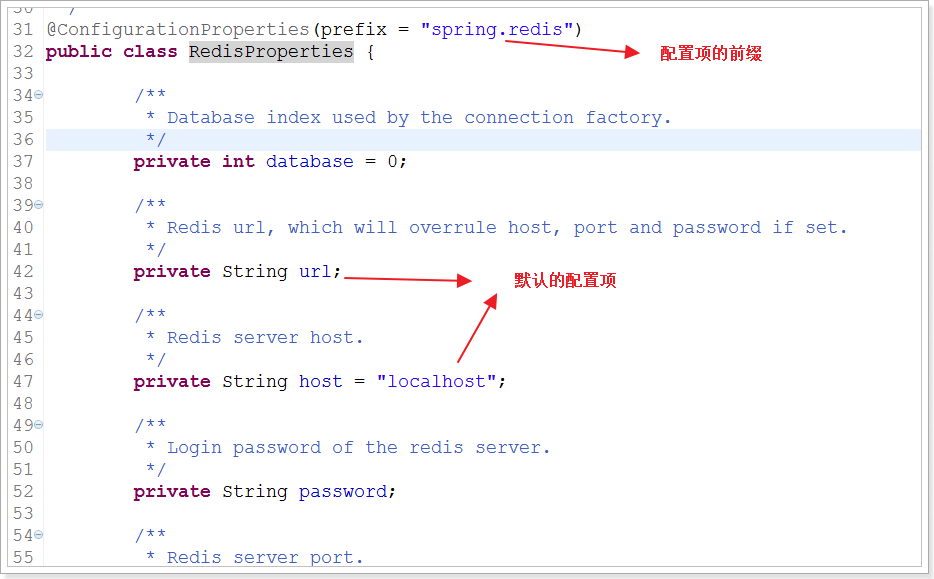
org.springframework.boot.autoconfigure.web.JspTemplateAvailabilityProvider

### 举例：Redis的自动配置

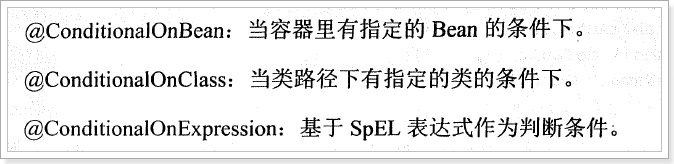
从上述的配置中可以看出，org.springframework.boot.autoconfigure.data.redis.RedisAutoConfiguration是Redis的自动配置。

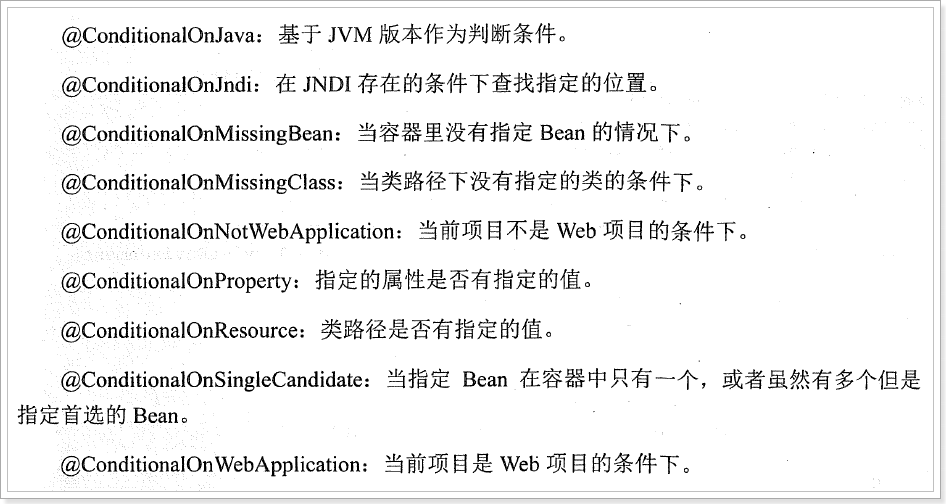
内容：



】

### 条件注解





# Spring Boot的web开发

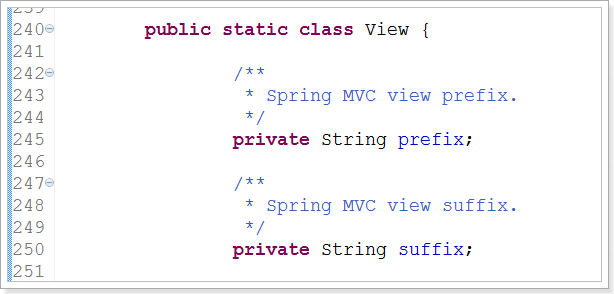
Web开发的自动配置类：org.springframework.boot.autoconfigure.web.WebMvcAutoConfiguration

## 自动配置的ViewResolver



视图的配置mvcProperties对象中：

org.springframework.boot.autoconfigure.web.WebMvcProperties.View



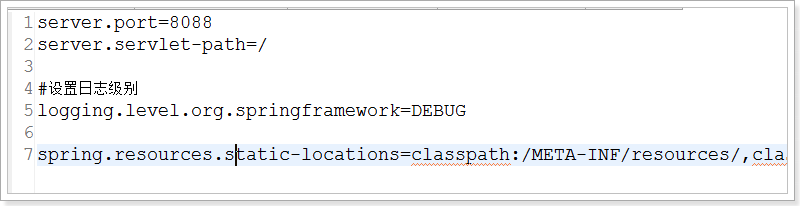
## 自动配置静态资源

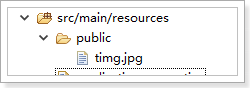
### 进入规则为 /

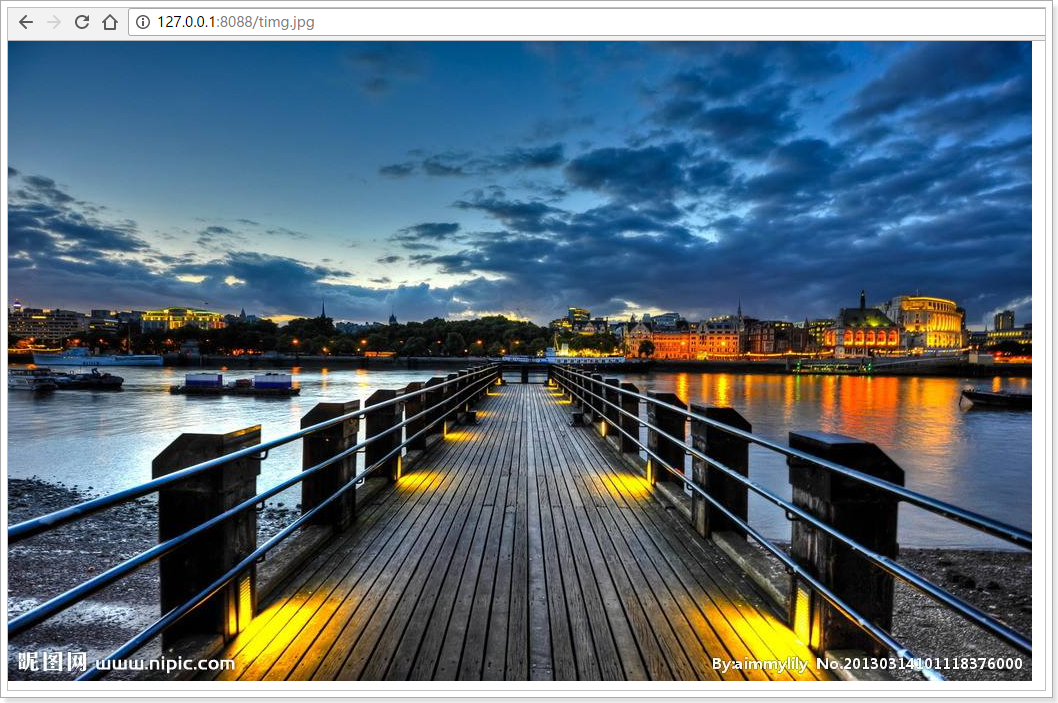
如果进入SpringMVC的规则为/时，Spring Boot的默认静态资源的路径为：

spring.resources.static-locations=classpath:/META-INF/resources/,classpath:/resources/,classpath:/static/,classpath:/public/

测试：

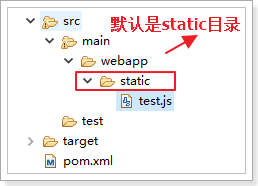




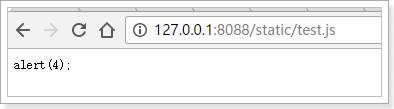


### 进入规则为\*.xxx 或者 不指定静态文件路径时

将静态资源放置到webapp下的static目录中即可通过地址访问：



测试：



## 自定义消息转化器

自定义消息转化器，只需要在@Configuration的类中添加消息转化器的@bean加入到Spring容器，就会被Spring Boot自动加入到容器中。

@Bean

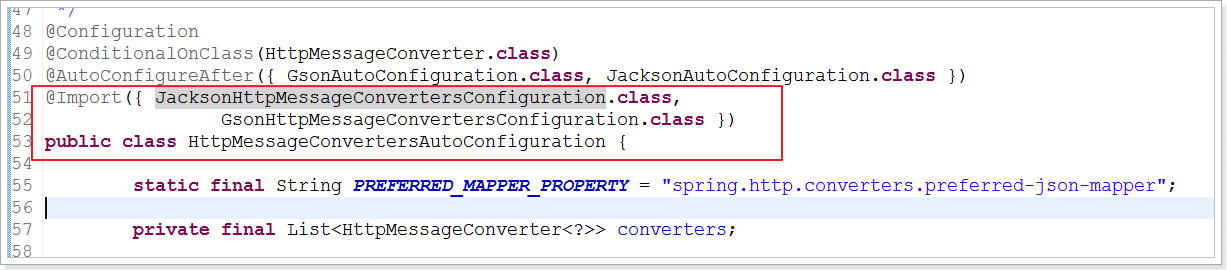
**public** StringHttpMessageConverter stringHttpMessageConverter(){

StringHttpMessageConverter converter = **new** StringHttpMessageConverter(Charset.*forName*("UTF-8"));

**return** converter;

}

默认配置：





## 自定义SpringMVC的配置

有些时候我们需要自已配置SpringMVC而不是采用默认，比如说增加一个拦截器，这个时候就得通过继承WebMvcConfigurerAdapter然后重写父类中的方法进行扩展。

**import** java.nio.charset.Charset;

**import** java.util.List;

**import** javax.servlet.http.HttpServletRequest;

**import** javax.servlet.http.HttpServletResponse;

**import** org.springframework.context.annotation.Configuration;

**import** org.springframework.http.converter.HttpMessageConverter;

**import** org.springframework.http.converter.StringHttpMessageConverter;

**import** org.springframework.web.servlet.HandlerInterceptor;

**import** org.springframework.web.servlet.ModelAndView;

**import** org.springframework.web.servlet.config.annotation.InterceptorRegistry;

**import** org.springframework.web.servlet.config.annotation.WebMvcConfigurerAdapter;

@Configuration //申明这是一个配置

**public** **class** MySrpingMVCConfig **extends** WebMvcConfigurerAdapter{

// 自定义拦截器

@Override

**public** **void** addInterceptors(InterceptorRegistry registry) {

HandlerInterceptor handlerInterceptor = **new** HandlerInterceptor() {

@Override

**public** **boolean** preHandle(HttpServletRequest request, HttpServletResponse response, Object handler)

**throws** Exception {

System.***out***.println("自定义拦截器............");

**return** **true**;

}

@Override

**public** **void** postHandle(HttpServletRequest request, HttpServletResponse response, Object handler,

ModelAndView modelAndView) **throws** Exception {

}

@Override

**public** **void** afterCompletion(HttpServletRequest request, HttpServletResponse response, Object handler,

Exception ex) **throws** Exception {

}

};

registry.addInterceptor(handlerInterceptor).addPathPatterns("/\*\*");

}

// 自定义消息转化器的第二种方法

@Override

**public** **void** configureMessageConverters(List<HttpMessageConverter<?>> converters) {

StringHttpMessageConverter converter = **new** StringHttpMessageConverter(Charset.*forName*("UTF-8"));

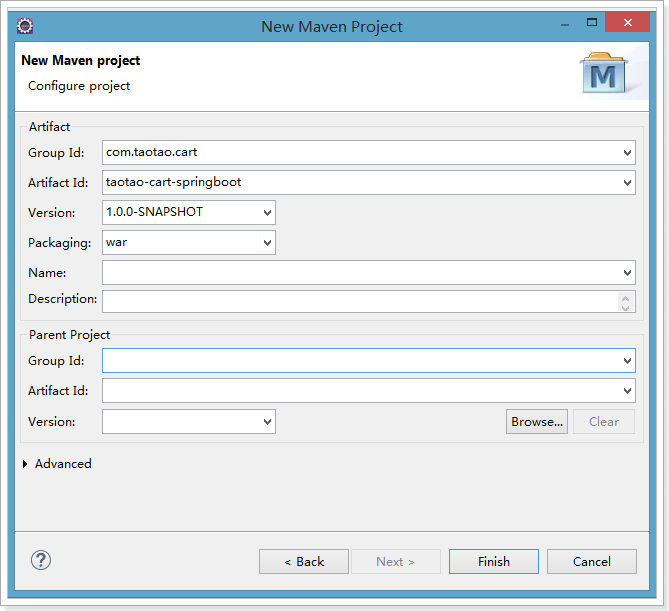
converters.add(converter);

}

}

# 改造购物车系统

## 创建购物车的Spring Boot工程



## 导入依赖

<project xmlns=*"http://maven.apache.org/POM/4.0.0"* xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"*

xsi:schemaLocation=*"http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd"*>

<modelVersion>4.0.0</modelVersion>

<parent>

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

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

<version>1.5.2.RELEASE</version>

</parent>

<groupId>com.taotao.cart</groupId>

<artifactId>taotao-cart-springboot</artifactId>

<version>1.0.0-SNAPSHOT</version>

<packaging>war</packaging>

<dependencies>

<dependency>

<groupId>com.taotao.common</groupId>

<artifactId>taotao-common</artifactId>

<version>1.0.0-SNAPSHOT</version>

</dependency>

<dependency>

<groupId>com.taotao.sso</groupId>

<artifactId>taotao-sso-interface</artifactId>

<version>1.0.0-SNAPSHOT</version>

</dependency>

<!-- 单元测试 -->

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<scope>test</scope>

</dependency>

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-jdbc</artifactId>

</dependency>

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-aspects</artifactId>

</dependency>

<dependency>

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

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

</dependency>

<!-- Mybatis -->

<dependency>

<groupId>org.mybatis</groupId>

<artifactId>mybatis</artifactId>

<version>3.2.8</version>

</dependency>

<dependency>

<groupId>org.mybatis</groupId>

<artifactId>mybatis-spring</artifactId>

<version>1.2.2</version>

</dependency>

<!-- 分页助手 -->

<dependency>

<groupId>com.github.pagehelper</groupId>

<artifactId>pagehelper</artifactId>

<version>3.7.5</version>

</dependency>

<dependency>

<groupId>com.github.jsqlparser</groupId>

<artifactId>jsqlparser</artifactId>

<version>0.9.1</version>

</dependency>

<!-- 通用Mapper -->

<dependency>

<groupId>com.github.abel533</groupId>

<artifactId>mapper</artifactId>

<version>2.3.4</version>

</dependency>

<!-- MySql -->

<dependency>

<groupId>mysql</groupId>

<artifactId>mysql-connector-java</artifactId>

</dependency>

<dependency>

<groupId>org.slf4j</groupId>

<artifactId>slf4j-log4j12</artifactId>

</dependency>

<!-- 连接池 -->

<dependency>

<groupId>com.jolbox</groupId>

<artifactId>bonecp-spring</artifactId>

<version>0.8.0.RELEASE</version>

</dependency>

<!-- httpclient -->

<dependency>

<groupId>org.apache.httpcomponents</groupId>

<artifactId>httpclient</artifactId>

</dependency>

<!-- JSP相关 -->

<dependency>

<groupId>jstl</groupId>

<artifactId>jstl</artifactId>

<version>1.2</version>

</dependency>

<!-- Apache工具组件 -->

<dependency>

<groupId>org.apache.commons</groupId>

<artifactId>commons-lang3</artifactId>

<version>3.3.2</version>

</dependency>

<dependency>

<groupId>org.apache.commons</groupId>

<artifactId>commons-io</artifactId>

<version>1.3.2</version>

</dependency>

<dependency>

<groupId>commons-codec</groupId>

<artifactId>commons-codec</artifactId>

</dependency>

<dependency>

<groupId>org.springframework.amqp</groupId>

<artifactId>spring-rabbit</artifactId>

<version>1.4.0.RELEASE</version>

</dependency>

<dependency>

<groupId>com.alibaba</groupId>

<artifactId>dubbo</artifactId>

<version>2.5.3</version>

<exclusions>

<exclusion>

<!-- 排除传递spring依赖 -->

<artifactId>spring</artifactId>

<groupId>org.springframework</groupId>

</exclusion>

</exclusions>

</dependency>

<dependency>

<groupId>org.apache.zookeeper</groupId>

<artifactId>zookeeper</artifactId>

<version>3.3.3</version>

</dependency>

<dependency>

<groupId>com.github.sgroschupf</groupId>

<artifactId>zkclient</artifactId>

<version>0.1</version>

</dependency>

</dependencies>

<build>

<plugins>

<!-- 资源文件拷贝插件 -->

<plugin>

<groupId>org.apache.maven.plugins</groupId>

<artifactId>maven-resources-plugin</artifactId>

<configuration>

<encoding>UTF-8</encoding>

</configuration>

</plugin>

<!-- java编译插件 -->

<plugin>

<groupId>org.apache.maven.plugins</groupId>

<artifactId>maven-compiler-plugin</artifactId>

<configuration>

<source>1.7</source>

<target>1.7</target>

<encoding>UTF-8</encoding>

</configuration>

</plugin>

<plugin>

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

<artifactId>spring-boot-maven-plugin</artifactId>

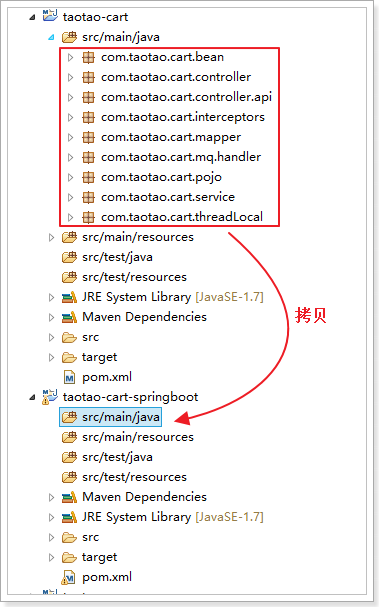
</plugin>

</plugins>

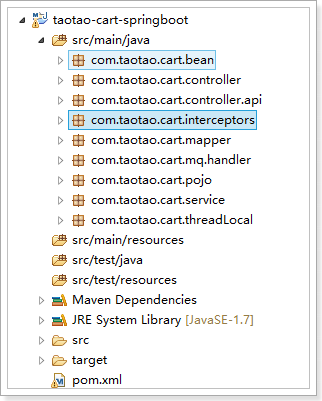
</build>

</project>

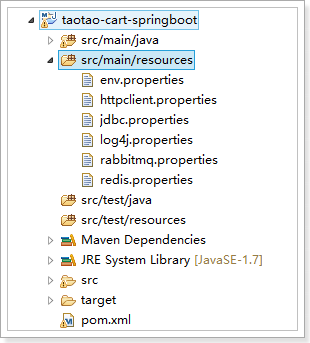
## 将taotao-cart中的java代码拷贝到taotao-car-springboot



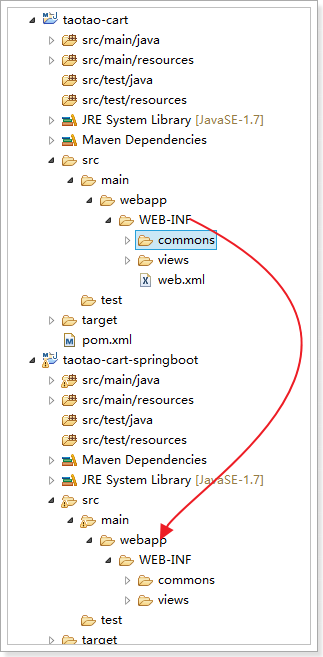
拷贝完成后：



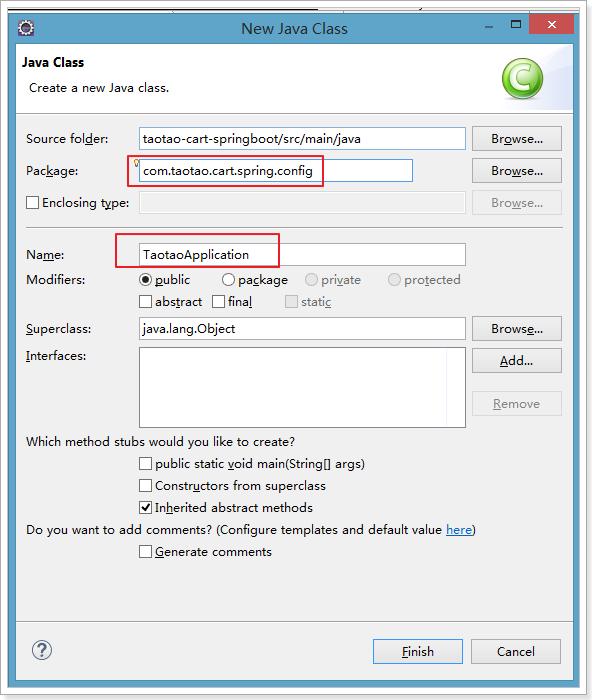
并且将properties文件也拷贝过来：



将页面也拷贝过来：

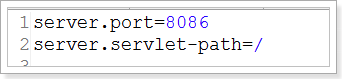


### 编写Spring配置类TaotaoApplication



### 设置tomcat端口

application.properties：



### 读取外部的配置文件

@Configuration

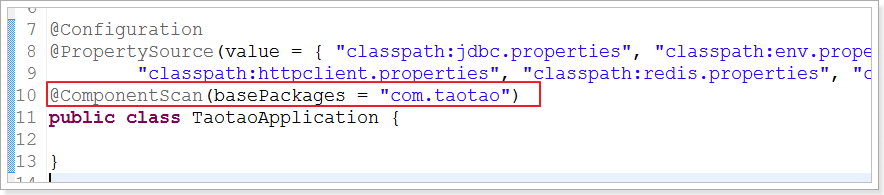
@PropertySource(value = { "classpath:jdbc.properties", "classpath:env.properties",

"classpath:httpclient.properties", "classpath:redis.properties", "classpath:rabbitmq.properties" }, ignoreResourceNotFound = **true**)

**public** **class** TaotaoApplication {

}

### 设置扫描包



### 定义数据源

@Value("${jdbc.url}")

**private** String jdbcUrl;

@Value("${jdbc.driverClassName}")

**private** String jdbcDriverClassName;

@Value("${jdbc.username}")

**private** String jdbcUsername;

@Value("${jdbc.password}")

**private** String jdbcPassword;

@Bean(destroyMethod = "close")

**public** DataSource dataSource() {

BoneCPDataSource boneCPDataSource = **new** BoneCPDataSource();

// 数据库驱动

boneCPDataSource.setDriverClass(jdbcDriverClassName);

// 相应驱动的jdbcUrl

boneCPDataSource.setJdbcUrl(jdbcUrl);

// 数据库的用户名

boneCPDataSource.setUsername(jdbcUsername);

// 数据库的密码

boneCPDataSource.setPassword(jdbcUsername);

// 检查数据库连接池中空闲连接的间隔时间，单位是分，默认值：240，如果要取消则设置为0

boneCPDataSource.setIdleConnectionTestPeriodInMinutes(60);

// 连接池中未使用的链接最大存活时间，单位是分，默认值：60，如果要永远存活设置为0

boneCPDataSource.setIdleMaxAgeInMinutes(30);

// 每个分区最大的连接数

boneCPDataSource.setMaxConnectionsPerPartition(100);

// 每个分区最小的连接数

boneCPDataSource.setMinConnectionsPerPartition(5);

**return** boneCPDataSource;

}

### 设置Mybatis和Spring Boot整合

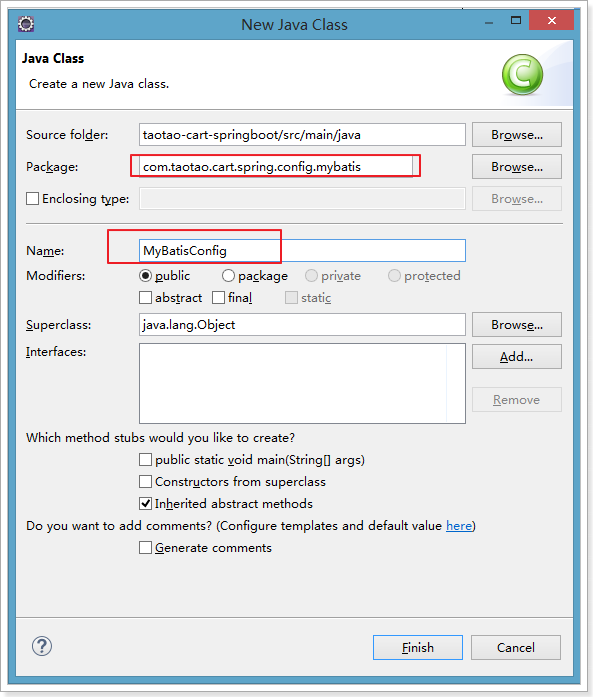
Mybatis和Spring Boot的整合有两种方式：

第一种：使用mybatis官方提供的Spring Boot整合包实现，地址：<https://github.com/mybatis/spring-boot-starter>

第二种：使用mybatis-spring整合的方式，也就是我们传统的方式

这里我们推荐使用第二种，因为这样我们可以很方便的控制Mybatis的各种配置。

首先，创建一个Mybatis的配置类：



代码：

**import** javax.sql.DataSource;

**import** org.mybatis.spring.SqlSessionFactoryBean;

**import** org.springframework.boot.autoconfigure.condition.ConditionalOnMissingBean;

**import** org.springframework.context.annotation.Bean;

**import** org.springframework.context.annotation.Configuration;

**import** org.springframework.core.io.Resource;

**import** org.springframework.core.io.support.PathMatchingResourcePatternResolver;

**import** org.springframework.core.io.support.ResourcePatternResolver;

@Configuration

**public** **class** MyBatisConfig {

@Bean

@ConditionalOnMissingBean //当容器里没有指定的Bean的情况下创建该对象

**public** SqlSessionFactoryBean sqlSessionFactory(DataSource dataSource) {

SqlSessionFactoryBean sqlSessionFactoryBean = **new** SqlSessionFactoryBean();

// 设置数据源

sqlSessionFactoryBean.setDataSource(dataSource);

// 设置mybatis的主配置文件

ResourcePatternResolver resolver = **new** PathMatchingResourcePatternResolver();

Resource mybatisConfigXml = resolver.getResource("classpath:mybatis/mybatis-config.xml");

sqlSessionFactoryBean.setConfigLocation(mybatisConfigXml);

// 设置别名包

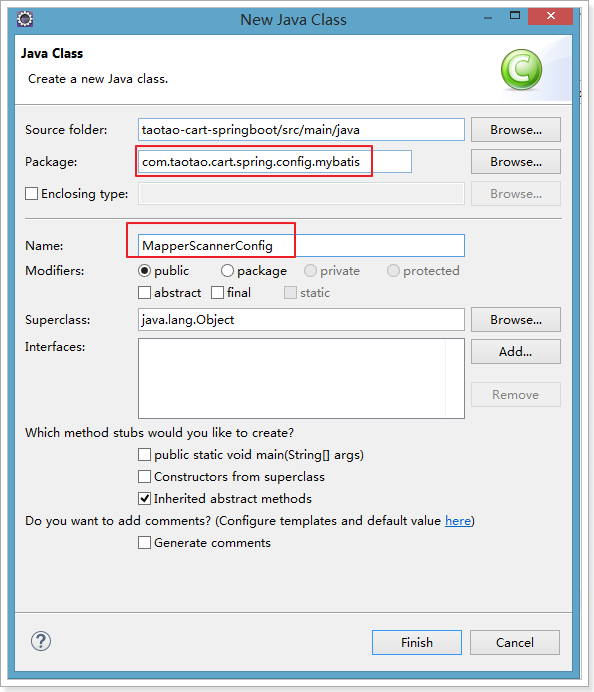
sqlSessionFactoryBean.setTypeAliasesPackage("com.taotao.cart.pojo");

**return** sqlSessionFactoryBean;

}

}

然后，创建Mapper接口的扫描类MapperScannerConfig：



代码：

**import** org.mybatis.spring.mapper.MapperScannerConfigurer;

**import** org.springframework.boot.autoconfigure.AutoConfigureAfter;

**import** org.springframework.context.annotation.Bean;

**import** org.springframework.context.annotation.Configuration;

@Configuration

@AutoConfigureAfter(MyBatisConfig.**class**) //保证在MyBatisConfig实例化之后再实例化该类

**public** **class** MapperScannerConfig {

// mapper接口的扫描器

@Bean

**public** MapperScannerConfigurer mapperScannerConfigurer() {

MapperScannerConfigurer mapperScannerConfigurer = **new** MapperScannerConfigurer();

mapperScannerConfigurer.setBasePackage("com.taotao.cart.mapper");

**return** mapperScannerConfigurer;

}

}

### 设置事务管理

在Spring Boot中推荐使用@Transactional注解来申明事务。

首先需要导入依赖：

<dependency>

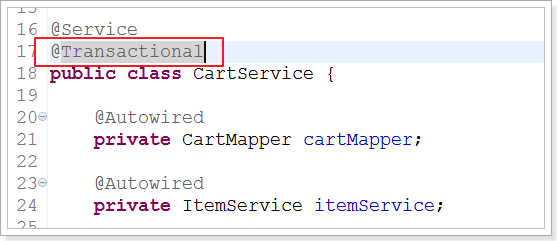
<groupId>org.springframework.boot</groupId>

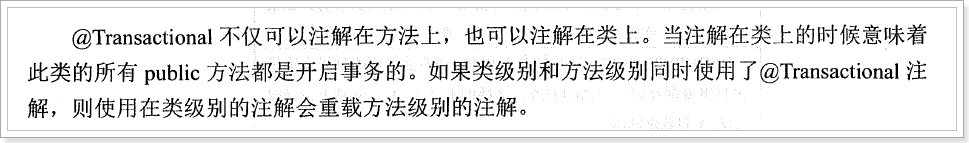
<artifactId>spring-boot-starter-jdbc</artifactId>

</dependency>

当引入jdbc依赖之后，Spring Boot会自动默认分别注入DataSourceTransactionManager或JpaTransactionManager，所以我们不需要任何额外配置就可以用@Transactional注解进行事务的使用。

在Service中添加@Transactional注解：





### 设置Redis和Spring的整合

在Spring Boot中提供了RedisTempplate的操作，我们暂时不做学习，先按照我们之前的实现来完成。

代码：

**import** java.util.ArrayList;

**import** java.util.List;

**import** org.springframework.beans.factory.annotation.Value;

**import** org.springframework.context.annotation.Bean;

**import** org.springframework.context.annotation.Configuration;

**import** org.springframework.context.annotation.PropertySource;

**import** redis.clients.jedis.JedisPoolConfig;

**import** redis.clients.jedis.JedisShardInfo;

**import** redis.clients.jedis.ShardedJedisPool;

@Configuration

@PropertySource(value = "classpath:redis.properties")

**public** **class** RedisSpringConfig {

@Value("${redis.maxTotal}")

**private** Integer redisMaxTotal;

@Value("${redis.node1.host}")

**private** String redisNode1Host;

@Value("${redis.node1.port}")

**private** Integer redisNode1Port;

**private** JedisPoolConfig jedisPoolConfig() {

JedisPoolConfig jedisPoolConfig = **new** JedisPoolConfig();

jedisPoolConfig.setMaxTotal(redisMaxTotal);

**return** jedisPoolConfig;

}

@Bean

**public** ShardedJedisPool shardedJedisPool() {

List<JedisShardInfo> jedisShardInfos = **new** ArrayList<JedisShardInfo>();

jedisShardInfos.add(**new** JedisShardInfo(redisNode1Host, redisNode1Port));

**return** **new** ShardedJedisPool(jedisPoolConfig(), jedisShardInfos);

}

}

### 设置Httpclient和Spring的整合

**import** org.apache.http.client.config.RequestConfig;

**import** org.apache.http.impl.client.CloseableHttpClient;

**import** org.apache.http.impl.client.HttpClients;

**import** org.apache.http.impl.conn.PoolingHttpClientConnectionManager;

**import** org.springframework.beans.factory.annotation.Autowired;

**import** org.springframework.beans.factory.annotation.Value;

**import** org.springframework.context.annotation.Bean;

**import** org.springframework.context.annotation.Configuration;

**import** org.springframework.context.annotation.PropertySource;

**import** org.springframework.context.annotation.Scope;

**import** com.taotao.common.httpclient.IdleConnectionEvictor;

@Configuration

@PropertySource(value = "classpath:httpclient.properties")

**public** **class** HttpclientSpringConfig {

@Value("${http.maxTotal}")

**private** Integer httpMaxTotal;

@Value("${http.defaultMaxPerRoute}")

**private** Integer httpDefaultMaxPerRoute;

@Value("${http.connectTimeout}")

**private** Integer httpConnectTimeout;

@Value("${http.connectionRequestTimeout}")

**private** Integer httpConnectionRequestTimeout;

@Value("${http.socketTimeout}")

**private** Integer httpSocketTimeout;

@Value("${http.staleConnectionCheckEnabled}")

**private** Boolean httpStaleConnectionCheckEnabled;

@Autowired

**private** PoolingHttpClientConnectionManager manager;

@Bean

**public** PoolingHttpClientConnectionManager poolingHttpClientConnectionManager() {

PoolingHttpClientConnectionManager poolingHttpClientConnectionManager = **new** PoolingHttpClientConnectionManager();

// 最大连接数

poolingHttpClientConnectionManager.setMaxTotal(httpMaxTotal);

// 每个主机的最大并发数

poolingHttpClientConnectionManager.setDefaultMaxPerRoute(httpDefaultMaxPerRoute);

**return** poolingHttpClientConnectionManager;

}

// 定期关闭无效连接

@Bean

**public** IdleConnectionEvictor idleConnectionEvictor() {

**return** **new** IdleConnectionEvictor(manager);

}

// 定义Httpclient对

@Bean

@Scope("prototype")

**public** CloseableHttpClient closeableHttpClient() {

**return** HttpClients.*custom*().setConnectionManager(**this**.manager).build();

}

// 请求配置

@Bean

**public** RequestConfig requestConfig() {

**return** RequestConfig.*custom*().setConnectTimeout(httpConnectTimeout) // 创建连接的最长时间

.setConnectionRequestTimeout(httpConnectionRequestTimeout) // 从连接池中获取到连接的最长时间

.setSocketTimeout(httpSocketTimeout) // 数据传输的最长时间

.~~setStaleConnectionCheckEnabled~~(httpStaleConnectionCheckEnabled) // 提交请求前测试连接是否可用

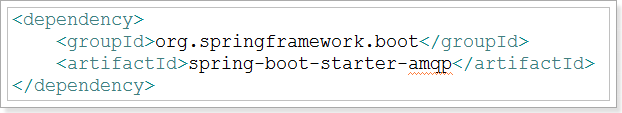
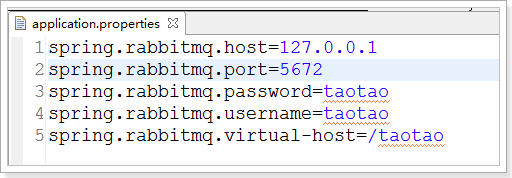
.build();

}

}

### 设置RabbitMQ和Spring的整合

我们之前使用的Spring-Rabbit的xml方式，现在我们要改造成java方式，并且Spring Boot对RabbitMQ的使用做了自动配置，更加的简化了我们的使用。

1. 在导入spring-boot-starter-amqp的依赖；  
   
2. 在application.properties文件中配置RabbitMQ的连接信息  
   
3. 编写Rabbit的Spring配置类  
    **import** org.springframework.amqp.core.Queue;

**import** org.springframework.amqp.rabbit.connection.ConnectionFactory;

**import** org.springframework.amqp.rabbit.core.RabbitAdmin;

**import** org.springframework.beans.factory.annotation.Autowired;

**import** org.springframework.context.annotation.Bean;

**import** org.springframework.context.annotation.Configuration;

@Configuration

**public** **class** RabbitMQSpringConfig {

@Autowired

**private** ConnectionFactory connectionFactory;

// 管理

@Bean

**public** RabbitAdmin rabbitAdmin() {

**return** **new** RabbitAdmin(connectionFactory);

}

// 声明队列

@Bean

**public** Queue taotaoCartLoginQueue() {

// 默认就是自动声明的

**return** **new** Queue("TAOTAO-CART-LOGIN-QUEUE", **true**);

}

// 声明队列

@Bean

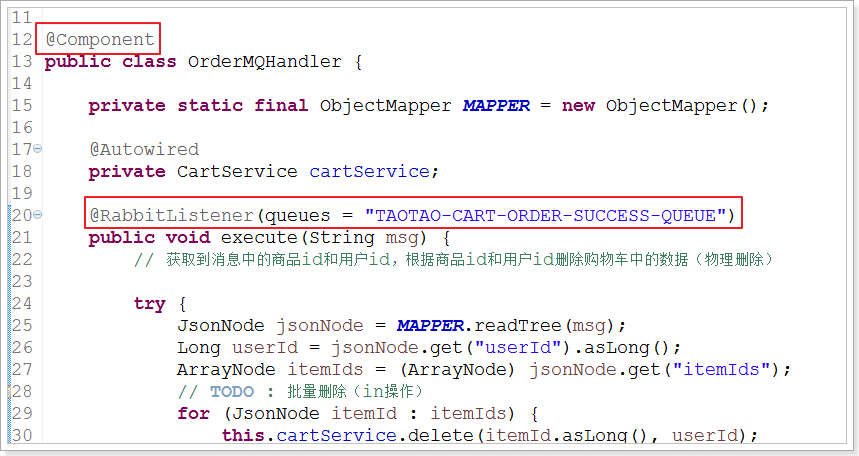
**public** Queue taotaoCartOrderSuccessQueue() {

// 默认就是自动声明的

**return** **new** Queue("TAOTAO-CART-ORDER-SUCCESS-QUEUE", **true**);

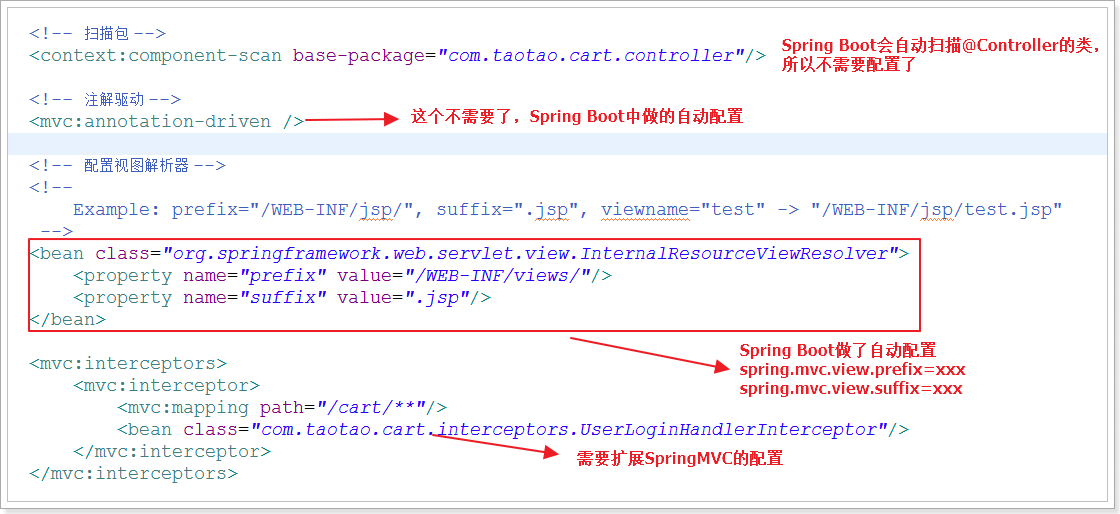
}

}

1. 设置监听  
     
   

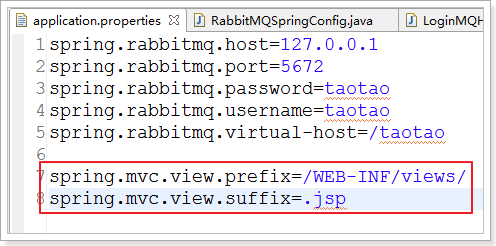
### 设置SpringMVC的配置

原有配置：



具体实现：

视图解析器配置：



自定义拦截器：

**import** org.springframework.context.annotation.Configuration;

**import** org.springframework.web.servlet.config.annotation.InterceptorRegistry;

**import** org.springframework.web.servlet.config.annotation.WebMvcConfigurerAdapter;

**import** com.taotao.cart.interceptors.UserLoginHandlerInterceptor;

@Configuration

**public** **class** SpringMVCConfig **extends** WebMvcConfigurerAdapter {

@Override

**public** **void** addInterceptors(InterceptorRegistry registry) {

// 判断用户是否登录的拦截器

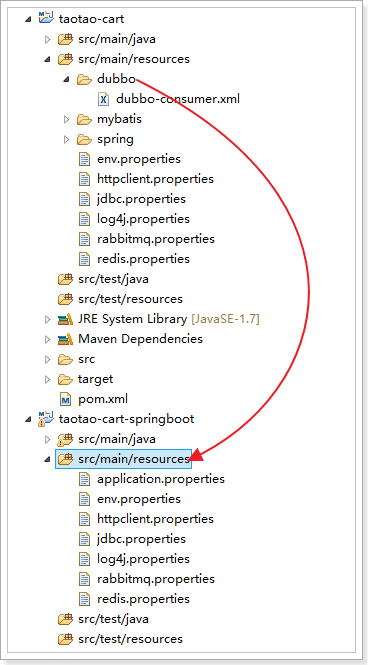
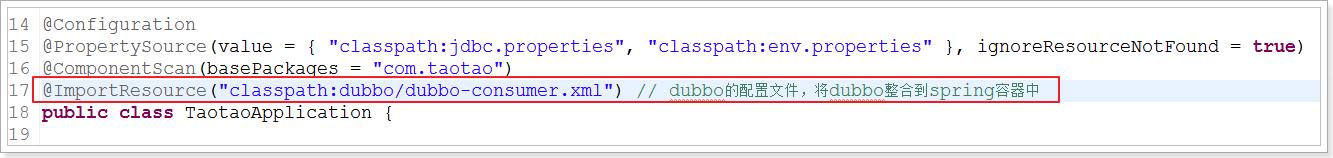
registry.addInterceptor(**new** UserLoginHandlerInterceptor()).addPathPatterns("/cart/\*\*");

}

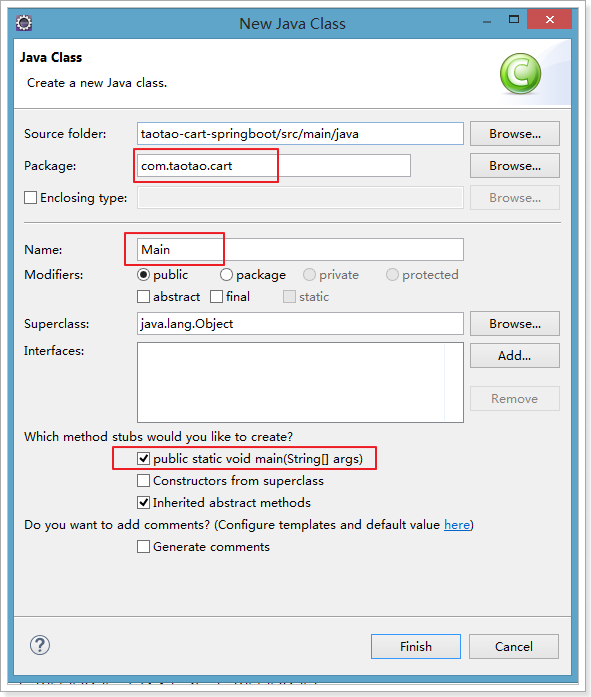
}

### 设置dubbo的配置

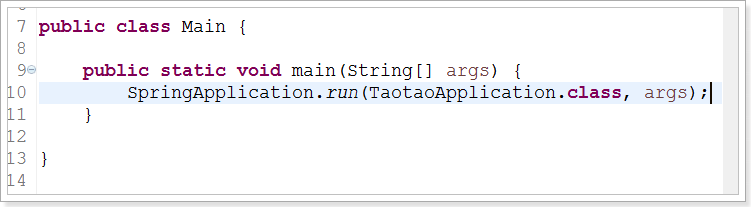
Dubbo目前只能使用xml配置的方式，所以我们需要保留xml，并且需要将该xml加入到现有的Spring容器中才能生效。

1. 将dubbo目录以及下面的xml配置文件拷贝到taotao-cat-springboot中  
   
2. 将dubbo的xml文件加入到spring容器  
   

## 编写入口类



编写main方法：

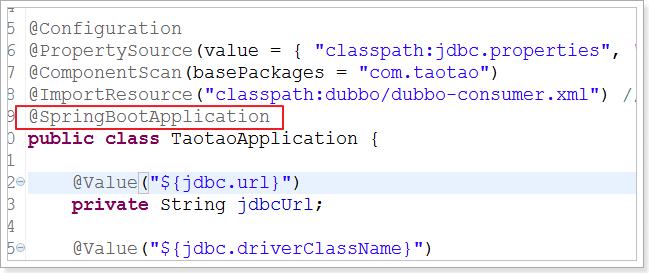


### 启动错误1

关键错误（丢失了web容器的工厂，也就是说我们并没有把它作为一个web应用来启动）：

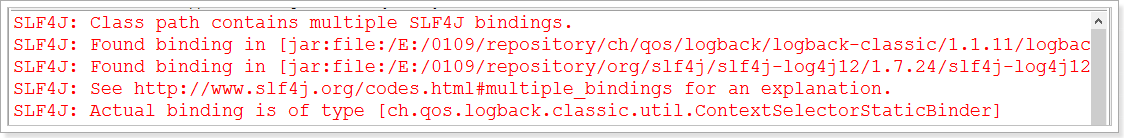
org.springframework.context.ApplicationContextException: Unable to start embedded container; nested exception is org.springframework.context.ApplicationContextException: Unable to start EmbeddedWebApplicationContext due to missing EmbeddedServletContainerFactory bean.

解决：



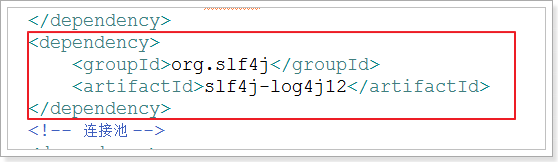
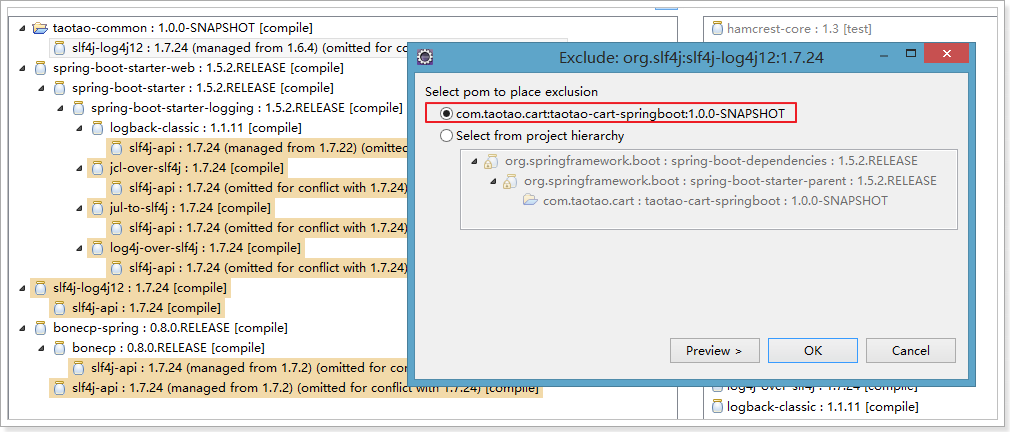
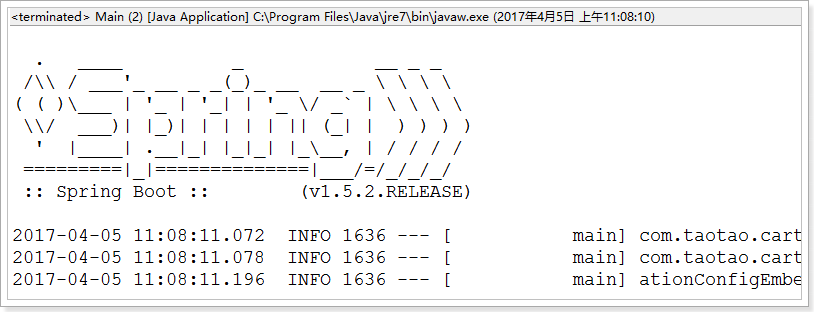
让Spring Boot来自动选择并且完成web的相关加载工作。

### Slf4j日志警告



提示我们当前的项目中slf4j引入了2个，导致了jar冲突。

解决：

1. 删除自己引入到slf4j的依赖  
   
2. 将taotao-common中传递的依赖排除掉  
     
     
   再次启动，发现警告没了：  
   

### 解决jsp访问404的问题

由于Spring boot使用的内嵌的tomcat，而内嵌的tamcat是不支持jsp页面的，所有需要导入额外的包才能解决。

<dependency>

<groupId>org.apache.tomcat.embed</groupId>

<artifactId>tomcat-embed-jasper</artifactId>

<scope>provided</scope>

</dependency>

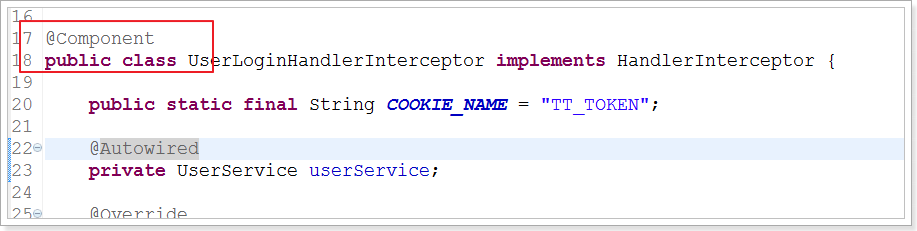
重新启动进行测试：



### 拦截器中的UserService空指针异常

分析：由于添加拦截器时，直接对UserLoginHandlerInterceptor进行new操作，导致UserService无法注入，所以有空指针异常。

解决：





### 路径问题

现在我们进入Servlet的路径为”/”，访问\*.html页面没问题，但是，访问 /service/\* 就会有问题，所以需要改一下js，将原有的/service/ 改为 /

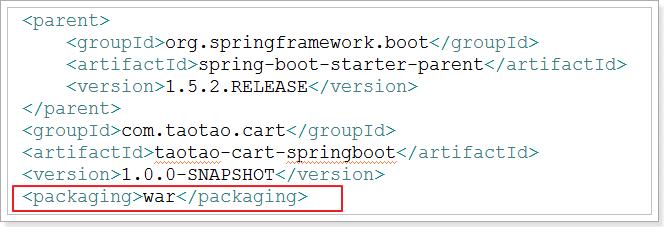


测试，功能一切ok。

# 发布到独立的tomcat中运行

在开发阶段我们推荐使用内嵌的tomcat进行开发，因为这样会方便很多，但是到生成环境，我希望在独立的tomcat容器中运行，因为我们需要对tomcat做额外的优化，这时我们需要将工程打包成war包发进行发布。

## 工程的打包方式为war



## 将spring-boot-starter-tomcat的范围设置为provided

设置为provided是在打包时会将该包排除，因为要放到独立的tomcat中运行，是不需要的。

<dependency>

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

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

<scope>provided</scope>

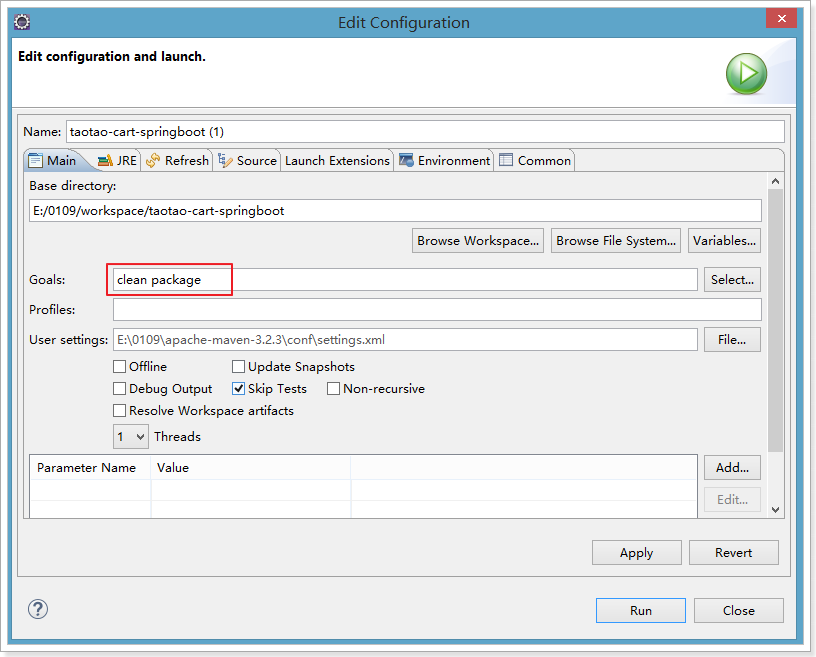
</dependency>

## 修改代码，设置启动配置

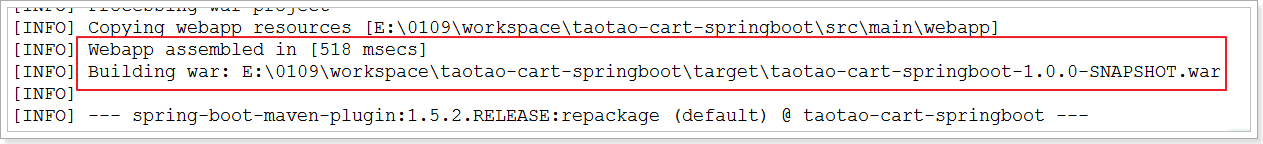
需要集成SpringBootServletInitializer，然后重写configure，将Spring Boot的入口类设置进去。



## 打war包

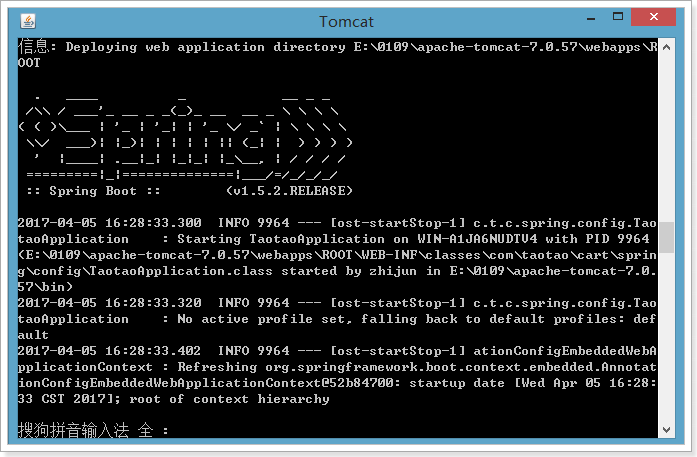


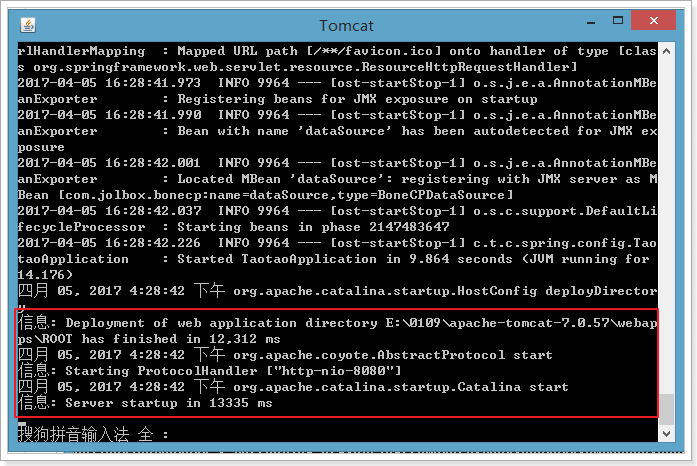
打包成功：



## 部署到tomcat

解压apache-tomcat-7.0.57.tar.gz，将war包解压到webapps下的ROOT目录中，启动：







完美！