Spring Boot

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Agenda

ZORA SOLUTIONS

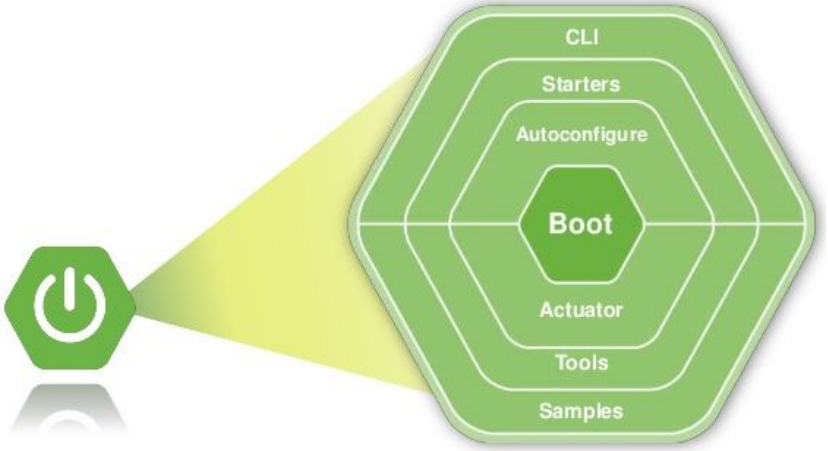
- Past scenario
- What’s it?
- What problems does it solve?
- Why do I need this?
- How it works?
- Features!
- Demos
- Conclusion

Past scenario

- Too many XML configuration
- Necessity for install a servlet/application container
- Necessity of do too much for a simple web hello world

What’s it?

- Another project from spring.io
- Meta framework
- Way of simply bootstrap web applications with spring
- Opinionated library



What problems does it solve?

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- Faster spring application bootstrap
- Reduce boilerplate (xml, dependencies)
- Help you get things done faster
- No more collisions in spring projects versions
- Can be run straight from a command line without an application/servlet container (with spring cli or java -jar)

Why do I need this?

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index.xhtml | response.xhtml | web.xml

General | Servlets | Filters | Pages | References | Security | XML

```
1  <?xml version="1.0" encoding="UTF-8"?>
2  <web-app version="3.0" xmlns="http://java.sun.com/xml/ns/javaee" xmlns:
3      <context-param>
4          <param-name>javax.faces.PROJECT_STAGE</param-name>
5          <param-value>Development</param-value>
6      </context-param>
7      <servlet>
8          <servlet-name>Faces Servlet</servlet-name>
9          <servlet-class>javax.faces.webapp.FacesServlet</servlet-class>
10         <load-on-startup>1</load-on-startup>
11     </servlet>
12     <servlet-mapping>
13         <servlet-name>Faces Servlet</servlet-name>
14         <url-pattern>/faces/*</url-pattern>
15     </servlet-mapping>
16     <session-config>
17         <session-timeout>
18             30
19         </session-timeout>
20     </session-config>
21     <welcome-file-list>
22         <welcome-file>faces/index.xhtml</welcome-file>
23     </welcome-file-list>
24 </web-app>
```

```
        http://www.springframework.org/schema/context
        http://www.springframework.org/schema/context/spring-context.xsd
        http://www.springframework.org/schema/util
        http://www.springframework.org/schema/util/spring-util-2.0.xsd
        http://camel.apache.org/schema/spring
        http://camel.apache.org/schema/spring/camel-spring.xsd"
    >

<bean class="com.softlution.common.camel.ActivateTenantInterceptionStrategy"/>

<camel:camelContext id="camelContext">
    <camel:routeBuilder ref="ppRouteBuilder" />
</camel:camelContext>

<bean id="ppRouteBuilder" class="com.softlution.petsplace.camel.route.PPRouteBuilder" scope="tenant" />


<bean id="productCategoryPageHashInterceptor" class="com.softlution.core.interceptor.ProductCategoryPageHashInterc
<bean class="de.hybris.platform.servicelayer.interceptor.impl.InterceptorMapping" scope="tenant">
    <property name="interceptor" ref="productCategoryPageHashInterceptor"/
    <property name="typeCode" value="ProductCategoryPage"/>
</bean>


<bean id="ppExpertQuestionnterceptor" class="com.softlution.core.interceptor.PPExpertQuestionInterceptor" scope="t
<bean class="de.hybris.platform.servicelayer.interceptor.impl.InterceptorMapping" scope="tenant">
    <property name="interceptor" ref="ppExpertQuestionnterceptor"/>
    <property name="typeCode" value="ExpertQuestion"/>
</bean>

<bean id="abstractPageInterceptor" class="com.softlution.core.interceptor.AbstractPagePrepareInterceptor" scope="t
<bean class="de.hybris.platform.servicelayer.interceptor.impl.InterceptorMapping" scope="tenant">
    <property name="interceptor" ref="abstractPageInterceptor"/>
    <property name="typeCode" value="AbstractPage"/>
</bean>

<bean id="mediaInterceptor" class="com.softlution.core.interceptor.MediaInterceptor" scope="tenant" autowire="byNa
<bean class="de.hybris.platform.servicelayer.interceptor.impl.InterceptorMapping" scope="tenant">
    <property name="interceptor" ref="mediaInterceptor"/>
    <property name="typeCode" value="Media"/>
</bean>

<bean id="ppCustomerInterceptor" class="com.softlution.core.interceptor.PPCustomerInterceptor" scope="tenant" auto
<bean class="de.hybris.platform.servicelayer.interceptor.impl.InterceptorMapping" scope="tenant">
    <property name="interceptor" ref="ppCustomerInterceptor"/>
    <property name="typeCode" value="PetsPlaceCustomer"/>
```

Cannot resolve symbol tenant more...(Ctrl+F1)

How it works

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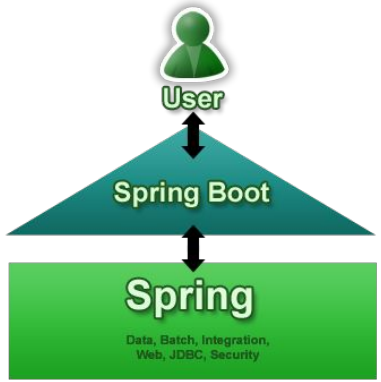
- Spring tries to auto configure another spring dependencies and starter poms whenever is possible by @Conditional annotation, adding this to your context.
- With -Ddebug=true you can see what's autowired and what spring could not find a matched pair.



Features

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- No requirements for xml configurations
- Starter dependencies with famous libraries (embedded servers, logging, etc)
- Executable jar
- Auto configuration when it’s possible
- Externalized configuration (.properties or .yaml)
- Command line runner
- Default production-ready features (health-check, security, metrics)
- http://start.spring.io

Dropwizard (rival)

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	Dropwizard	Spring boot
HTTP	Jetty	Tomcat (default), Jetty or Undertow
REST	Jersey	Spring (default), JAX-RS
JSON	Jackson	Jackson, GSON, json-simple
Metrics	Dropwizard Metrics	Spring
Health Checks	Dropwizard	Spring
Logging	Logback, slf4j	Logback, Log4j, Log4j2, slf4j, Apache common-logging
Official integrations	Hibernate Validator, Guava, Apache HttpClient, Jersey client, JDBI, Liquibase, Mustache, Freemarker, Joda time	40+ Official Starter POMs for any purpose
Community integrations	Tens of available integrations, including Spring	4 Community led POMs

Out of the box
Add ons

WWW.TAKIPI.COM

It’s DEMO time!

Thank you!

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