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正文

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说明此文档是整合cxp与spring的, 如果需要整合hibernate的话, 与整合spring+hibernate是一样的, 不需要考虑的。

另外, 在此项目中我们通常使用的事务我也将在这里进行配置, 是通过spring aop实现的, 比较简单, 但是很实用, 本来想将aop统一异常处理也给贴上来的, 但是感觉配置的并不完美, 所以也就不向上写了, 等我在下一个教程中在贴出来的。

首先建立一个web工程 我的教程是从我项目中直接拷贝出来的, 所以也就没有进行修改, 直接粘贴上来了, 工程名字请自己随意建。

手动添加spring包, 然后手动将cxp的包拷贝到lib中, 在这里需要提一下, 拷贝的包需要进行过滤, 否则使用aop的时候会报错, 项目无法启动, 再倒入的时候需要将与spring冲突的包删除掉, 我会在最后附上我所用到的包。

如果在启动时候报错了, 一般情况就是包冲突造成的, 只需要将两个框架中的包相对应一下, 找出重复的删除掉即可。

下面是我的spring配置文件。

**Xml代码**

```
1. <?xml version="1.0" encoding="UTF-8"?>
2. <beans
3. xmlns="http://www.springframework.org/schema/beans"
4. xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
5. xmlns:aop="http://www.springframework.org/schema/aop"
```

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```
6.   xmlns:tx="http://www.springframework.org/schema/tx"
7.   xmlns:jaxws="http://cxf.apache.org/jaxws"
8.   xsi:schemaLocation="http://www.springframework.org/schema/beans
9.   http://www.springframework.org/schema/beans/spring-beans-2.5.xsd
10.  http://www.springframework.org/schema/tx
11.  http://www.springframework.org/schema/tx/spring-tx-2.5.xsd
12.  http://www.springframework.org/schema/aop
13.  http://www.springframework.org/schema/aop/spring-aop-2.0.xsd
14.  http://cxf.apache.org/jaxws
15.  http://cxf.apache.org/schemas/jaxws.xsd ">
16.
17.  <!-- 数据库模块 初始化 -->
18.  <bean id="DataSource" class="org.apache.commons.dbcp.BasicDataSource">
19.      <property name="driverClassName" value="com.microsoft.sqlserver.jdbc.SQLServerDriver"></property>
20.      <property name="url" value="jdbc:sqlserver://192.168.234.250:1433;databaseName=fy_erp_v6"></property>
21.      <property name="username" value="sa"></property>
22.  </bean>
23.  <!-- 配置同一个数据源 -->
24.  <bean id="daoTemplate" abstract="true" lazy-init="true">
25.      <property name="dataSource" ref="DataSource" />
26.  </bean>
27.  <!-- 事务处理aop -->
28.  <bean id="TransactionManager" class="org.springframework.jdbc.datasource.DataSourceTransactionManager"><!--
    使用spring jdbc 事务管理。 -->
29.      <property name="dataSource" ref="DataSource" />
30.  </bean>
31.  <tx:advice id="txAdvice" transaction-manager="TransactionManager">
32.      <tx:attributes>
33.          <tx:method name="save*" read-only="false" rollback-for="Exception"/><!-- 如果系统抛出异常，事务回滚。 --
34.          <tx:method name="update*" read-only="false" rollback-for="Exception"/>
35.          <tx:method name="delete*" read-only="false" rollback-for="Exception"/>
36.          <tx:method name="get*" read-only="true"/>
37.      </tx:attributes>
38.  </tx:advice>
39.  <aop:config proxy-target-class="true">
40.      <aop:pointcut id="DynamicDataServicePointcut" expression="execution(* *..*Service.*(..))"/><!-- 配置只要
    以service结尾的接口都将通过事务管理 -->
41.      <aop:advisor advice-ref="txAdvice" pointcut-ref="DynamicDataServicePointcut"/>
42.  </aop:config>
43.  <!-- 事务处理aop -->
44.  <!-- 数据库模块 初始化 -->
45.
46.  <!-- service 服务 bean begin -->
```

```

47. <bean id="IVipService" class="com.wfy.sa.webinterface.service.impl.VipServiceImpl">
48.     <property name="vipDao" ref="VipDao" />
49. </bean>
50. <!-- service 服务 bean end -->
51. <!-- Dao 数据层 bean begin -->
52. <bean id="VipDao" class="com.wfy.sa.webinterface.dao.VipDao" parent="daoTemplate"/>
53. <!-- Dao 数据层 bean end -->
54.
55. <!-- webService相关配置 begin -->
56. <!-- webService 服务 bean begin -->
57. <bean id="IFyErpWebService" class="com.wfy.sa.webinterface.impl.FyErpWebServiceImpl">
58.     <property name="vipService" ref="IVipService" />
59. </bean>
60. <!-- webService 服务 bean end -->
61. <!-- cxf webservice 服务 配置 begin -->
62. <!-- 引入cxf的bean定义文件 -->
63. <import resource="classpath:META-INF/cxf/cxf.xml"/>
64. <import resource="classpath:META-INF/cxf/cxf-extension-soap.xml"/>
65. <import resource="classpath:META-INF/cxf/cxf-servlet.xml"/>
66. <!-- 暴露我的webservice服务 -->
67. <!--
68. 这里是cxf的重点，就是通过这些将接口暴露出去的
69. address="/FyErpWebService"
70. 是接口暴露的地址，按照我的配置，地址应该是 http://localhost:8080/fy_erp_webService/wfyErpWebService/FyErpWebServ
ice?wsdl
71. 这个地址就是将来我们提供给用户访问的接口地址。fy_erp_webService这是我的工程名字，wfyErpWebService是我webservice的
路径。
72. -->
73. <jaxws:server id="FyErpWebService" serviceClass="com.wfy.sa.webinterface.IFyErpWebService" address="/FyErpW
ebService">
74.     <jaxws:serviceBean>
75.         <ref bean="IFyErpWebService"/><!-- 要暴露的 bean 的引用 -->
76.     </jaxws:serviceBean>
77. </jaxws:server>
78. <!-- cxf webservice 服务 配置 end -->
79. <!-- webService相关配置 end -->
80. </beans>

```

下一步贴出我的web.xml的配置文件

**xml**代码

```

1. <?xml version="1.0" encoding="UTF-8"?>
2. <web-app version="2.5"

```

```

3.   xmlns="http://java.sun.com/xml/ns/javaee"
4.   xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
5.   xsi:schemaLocation="http://java.sun.com/xml/ns/javaee
6.   http://java.sun.com/xml/ns/javaee/web-app_2_5.xsd">
7.
8.   <context-param>
9.       <param-name>contextConfigLocation</param-name>
10.      <param-value>classpath:applicationContext.xml</param-value>
11.   </context-param>
12.   <listener>
13.       <listener-class>org.springframework.web.context.ContextLoaderListener</listener-class>
14.   </listener>
15.
16.   <!-- cxf webservice 服务 servlet -->
17.   <servlet>
18.       <servlet-name>CXFServlet</servlet-name>
19.       <servlet-class>org.apache.cxf.transport.servlet.CXFServlet</servlet-class>
20.       <load-on-startup>1</load-on-startup>
21.   </servlet>
22.   <!-- CXFServlet Mapping -->
23.   <servlet-mapping>
24.       <servlet-name>CXFServlet</servlet-name>
25.       <url-pattern>/wfyErpWebService/*</url-pattern><!-- 这里配置了webservice访问的路径。 -->
26.   </servlet-mapping>
27. </web-app>

```

剩下dao层与业务逻辑层的代码就不贴了，因为我里面并没有写代码，我就贴上我的webservice层的代码：  
接口：

**Java**代码

```

1.   package com.wfy.sa.webinterface;
2.
3.   import javax.jws.WebService;
4.
5.   @WebService//这个一定要写上，否则webservice访问不到的。
6.   public interface IFyErpWebService {
7.       public String getItemInfo(String key, String value);
8.       public int getVipIntegral(String vipNo);
9.       public String getVipSaleInfo(String vipNo);
10.      public boolean setSaleInfo(String clientNo, String saleInfo);
11.  }

```

实现：

## Java代码

```
1. package com.wfy.sa.webinterface.impl;
2.
3. import javax.jws.WebService;
4.
5. import com.wfy.sa.webinterface.IFyErpWebService;
6. import com.wfy.sa.webinterface.service.IProductService;
7. import com.wfy.sa.webinterface.service.IVipService;
8.
9. @WebService//这个一定要写上, 否则webservice访问不到的。
10. public class FyErpWebServiceImpl implements IFyErpWebService {
11.     private IVipService vipService;//业务逻辑层的注入信息
12.     public void setVipService(IVipService vipService) {
13.         this.vipService = vipService;
14.     }
15.
16.     @Override
17.     public String getItemInfo(String key, String value) {
18.         // TODO Auto-generated method stub
19.         return null;
20.     }
21.
22.     @Override
23.     public int getVipIntegral(String vipNo) {
24.         // TODO Auto-generated method stub
25.         return 0;
26.     }
27.
28.     @Override
29.     public String getVipSaleInfo(String vipNo) {
30.         // TODO Auto-generated method stub
31.         return null;
32.     }
33.
34.     @Override
35.     public boolean setSaleInfo(String clientNo, String saleInfo) {
36.         // TODO Auto-generated method stub
37.         return false;
38.     }
39. }
```

这样部署项目, 启动服务, 如无以为将会成功启动。

如果依然失败, 请将错误信息贴上来我给大家解答。

我在系统中所用的所有的包:

```
1. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/easymock.jar"/>
2. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/easymockclassextension.jar"/>
3. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/freemarker.jar"/>
4. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/geronimo-j2ee-connector_1.5_spec-1.0.1.jar"/>
5. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/geronimo-jpa_3.0_spec-1.0.jar"/>
6. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/geronimo-jta_1.0.1B_spec-1.0.1.jar"/>
7. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/groovy-1.5.5.jar"/>
8. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/hessian-3.1.3.jar"/>
9. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/iText-2.0.7.jar"/>
10. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/ibatis-2.3.0.677.jar"/>
11. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/jamon-2.4.jar"/>
12. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/jasperreports-2.0.5.jar"/>
13. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/jdo2-api.jar"/>
14. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/jmxremote.jar"/>
15. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/jmxremote_optional.jar"/>
16. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/jmxri.jar"/>
17. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/jotm.jar"/>
18. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/jruby.jar"/>
19. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/junit-4.4.jar"/>
20. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/jxl.jar"/>
21. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/log4j-1.2.15.jar"/>
22. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/openjpa-0.9.7-incubating.jar"/>
23. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/persistence.jar"/>
24. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/poi-3.0.1.jar"/>
25. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/portlet-api.jar"/>
26. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/quartz-all-1.6.0.jar"/>
27. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/serp-1.11.0.jar"/>
28. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/spring-agent.jar"/>
29. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/spring-aop.jar"/>
30. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/spring-aspects.jar"/>
31. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/spring-beans.jar"/>
32. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/spring-binding-1.0.jar"/>
33. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/spring-context-support.jar"/>
34. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/spring-context.jar"/>
35. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/spring-core.jar"/>
36. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/spring-javaconfig.jar"/>
37. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/spring-jdbc.jar"/>
38. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/spring-jms.jar"/>
39. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/spring-orm.jar"/>
40. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/spring-test.jar"/>
41. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/spring-tomcat-weaver.jar"/>
42. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/spring-tx.jar"/>
```

```
43. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/spring-web.jar"/>
44. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/spring-webflow-1.0.jar"/>
45. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/spring-webmvc-portlet.jar"/>
46. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/spring-webmvc-struts.jar"/>
47. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/spring-webmvc.jar"/>
48. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/struts.jar"/>
49. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/toplink-essentials-agent.jar"/>
50. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/toplink-essentials.jar"/>
51. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/velocity-1.5.jar"/>
52. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/velocity-tools-view-1.4.jar"/>
53. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/xapool.jar"/>
54. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/sqljdbc.jar"/>
55. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/FastInfoset-1.2.2.jar"/>
56. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/XmlSchema-1.4.2.jar"/>
57. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/cxf-2.1.3.jar"/>
58. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/cxf-manifest.jar"/>
59. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/geronimo-activation_1.1_spec-1.0.2.jar"/>
60. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/geronimo-annotation_1.0_spec-1.1.1.jar"/>
61. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/geronimo-javamail_1.4_spec-1.3.jar"/>
62. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/geronimo-jaxws_2.1_spec-1.0.jar"/>
63. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/geronimo-jms_1.1_spec-1.1.1.jar"/>
64. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/geronimo-servlet_2.5_spec-1.2.jar"/>
65. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/geronimo-stax-api_1.0_spec-1.0.1.jar"/>
66. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/geronimo-ws-metadata_2.0_spec-1.1.2.jar"/>
67. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/jaxb-api-2.1.jar"/>
68. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/jaxb-impl-2.1.7.jar"/>
69. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/jaxb-xjc-2.1.7.jar"/>
70. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/jaxen-1.1.jar"/>
71. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/jdom-1.0.jar"/>
72. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/jettison-1.0.1.jar"/>
73. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/jetty-6.1.9.jar"/>
74. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/jetty-util-6.1.9.jar"/>
75. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/jra-1.0-alpha-4.jar"/>
76. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/js-1.6R7.jar"/>
77. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/jsr311-api-0.8.jar"/>
78. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/neethi-2.0.4.jar"/>
79. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/opensaml-1.1.jar"/>
80. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/oro-2.0.8.jar"/>
81. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/saaj-api-1.3.jar"/>
82. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/saaj-impl-1.3.2.jar"/>
83. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/serializer-2.7.1.jar"/>
84. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/slf4j-api-1.3.1.jar"/>
85. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/slf4j-jdk14-1.3.1.jar"/>
86. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/wsd14j-1.6.2.jar"/>
```



```
87. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/wss4j-1.5.4.jar"/>
88. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/wstx-as1-3.2.6.jar"/>
89. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/xalan-2.7.1.jar"/>
90. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/xml-resolver-1.2.jar"/>
91. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/xmlbeans-2.3.0.jar"/>
92. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/xmlsec-1.4.0.jar"/>
93. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/abdera-core-0.4.0-incubating.jar"/>
94. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/abdera-extensions-json-0.4.0-incubating.jar"/>
95. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/abdera-extensions-main-0.4.0-incubating.jar"/>
96. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/abdera-i18n-0.4.0-incubating.jar"/>
97. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/abdera-parser-0.4.0-incubating.jar"/>
98. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/ant-1.6.5.jar"/>
99. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/antlr-2.7.7.jar"/>
100. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/aopalliance-1.0.jar"/>
101. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/aopalliance.jar"/>
102. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/asm-2.2.3.jar"/>
103. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/asm-commons-2.2.3.jar"/>
104. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/asm-util-2.2.3.jar"/>
105. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/aspectjlib.jar"/>
106. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/aspectjrt.jar"/>
107. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/aspectjweaver.jar"/>
108. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/axiom-api-1.2.7.jar"/>
109. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/axiom-impl-1.2.7.jar"/>
110. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/backport-util-concurrent.jar"/>
111. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/bcprov-jdk15-140.jar"/>
112. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/bsh-2.0b4.jar"/>
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129. <classpathentry kind="lib" path="WebRoot/WEB-INF/lib/commons-pool.jar"/>
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