



链滴

事务管理---编程式事务管理和申明式事务管理区别(一)

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来源网站: [链滴](#)

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```
</span></span><span class="highlight-line"><span class="highlight-cl">public static void  
ollBackTransaction(Connection cnn){  
</span></span><span class="highlight-line"><span class="highlight-cl">    if(cnn!=null){  
</span></span><span class="highlight-line"><span class="highlight-cl">        try {  
</span></span><span class="highlight-line"><span class="highlight-cl">            if(!cnn.get  
utoCommit()){  
</span></span><span class="highlight-line"><span class="highlight-cl">                cnn.roll  
ack();  
</span></span><span class="highlight-line"><span class="highlight-cl">            }  
</span></span><span class="highlight-line"><span class="highlight-cl">        } catch (SQLE  
ception e) {  
</span></span><span class="highlight-line"><span class="highlight-cl">            // TODO A  
to-generated catch block  
</span></span><span class="highlight-line"><span class="highlight-cl">            e.printStac  
Trace();  
</span></span><span class="highlight-line"><span class="highlight-cl">        }  
</span></span><span class="highlight-line"><span class="highlight-cl">    }  
</span></span><span class="highlight-line"><span class="highlight-cl">}</span></span><span class="highlight-line"><span class="highlight-cl">}</span></span><span class="highlight-line"><span class="highlight-cl">}</span></span></code></pre>  
</pre>
```

这种方式，我们利用了原生的jdbc方法。但是我们如果调用spring封装的底层api方法则需要配置一番。

```
<pre class="brush: java">public class BankServiceImpl implements BankService {  
private BankDao bankDao;  
private TransactionDefinition txDefinition;  
private PlatformTransactionManager txManager;  
.....  
public boolean transfer(Long fromId, Long told, double amount) {  
TransactionStatus txStatus = txManager.getTransaction(txDefinition);  
boolean result = false;  
try {  
    result = bankDao.transfer(fromId, told, amount);  
    txManager.commit(txStatus);  
} catch (Exception e) {  
    result = false;  
    txManager.rollback(txStatus);  
    System.out.println("Transfer Error!");  
}  
return result;  
}<br></pre>
```

```
<pre class="brush: java">&lt;bean id="bankService" class="footmark.spring.core.tx.program  
atic.origin.BankServiceImpl"&gt;  
&lt;property name="bankDao" ref="bankDao"/&gt;  
&lt;property name="txManager" ref="transactionManager"/&gt;  
&lt;property name="txDefinition"&gt;  
&lt;bean class="org.springframework.transaction.support.DefaultTransactionDefinition"&gt;  
&lt;property name="propagationBehaviorName" value="PROPAGATION_REQUIRED"/&gt;  
&lt;/bean&gt;  
&lt;/property&gt;  
&lt;/bean&gt;</pre>
```

申明式事务管理：

主要通过spring的aop的方式，通过注解，或者配置件。对方法前后加上事务控制，是属于粗粒度的。示例如下

```
<pre class="brush: java">&lt;?xml version="1.0" encoding="UTF-8"?&gt;
```

```

<!DOCTYPE beans PUBLIC "-//SPRING//DTD BEAN//EN"
"http://www.springframework.org/dtd/spring-beans.dtd">
<beans>
<pre> <code class="highlight-chroma"> <span class="highlight-line"> <span class="highlight-cl"> &lt;bean id="&quot;sqlMapClient&quot; class="&quot;org.springframework.orm.ibatis.SqlMapClientFactoryBean&quot;&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &lt;property name="&quot;configLocation&quot;&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &lt;value&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &lt;/property&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &lt;property name="&quot;dataSource&quot; ref="&quot;dataSource&quot; /&gt;
;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &lt;/bean&
p&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl">
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &lt;!-- feng.t
n --&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &lt;bean id
&quot;sqlMapClientTemplate&quot; class="&quot;org.springframework.orm.ib
tis.SqlMapClientTemplate&quot;&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &lt;property name="&quot;sqlMapClient&quot;&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &lt;ref bean="&quot;sqlMapClient&quot; /&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &lt;/propert
y&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &lt;/bean&a
p&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl">
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &lt;bean id
&quot;transactionInterceptor&quot;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> class="&quot;org.springframework.transaction.interceptor.TransactionInterceptor&quot;&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &lt;property name="&quot;transactionManager&quot;&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &lt;ref bean="&quot;transactionManager&quot; /&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &lt;/propert
y&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &lt;property name="&quot;transactionAttributes&quot;&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &lt;props
&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &lt;propert
y="&quot;remove*&quot;&gt;PROPAGATION_REQUIRED&lt;/prop&
p&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &lt;propert
y="&quot;add*&quot;&gt;PROPAGATION_REQUIRED&lt;/prop&
p&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &lt;propert
y="&quot;modify*&quot;&gt;PROPAGATION_REQUIRED&lt;/prop&
p&gt;
;

```

```

</span></span><span class="highlight-line"><span class="highlight-cl">    &lt;prop
ey=&lt;quot;update*&lt;quot;&lt;gt;PROPAGATION_REQUIRED&lt;/prop&lt;
t;
</span></span><span class="highlight-line"><span class="highlight-cl">    &lt;prop
ey=&lt;quot;find*&lt;quot;&lt;gt;PROPAGATION_REQUIRED,readOnly&lt;/prop
&lt;gt;
</span></span><span class="highlight-line"><span class="highlight-cl">    &lt;/prop
&lt;gt;
</span></span><span class="highlight-line"><span class="highlight-cl">    &lt;/prope
ty&lt;gt;
</span></span><span class="highlight-line"><span class="highlight-cl">    &lt;/bean&a
p;gt;
</span></span><span class="highlight-line"><span class="highlight-cl">    &lt;!-- 自动
理 --&lt;gt;
</span></span><span class="highlight-line"><span class="highlight-cl">    &lt;bean id
&lt;quot;autoproxy&lt;quot;
&lt;gt;
</span></span><span class="highlight-line"><span class="highlight-cl">    class=&lt;q
ot;org.springframework.aop.framework.autoproxy.BeanNameAutoProxyCreator&lt;quot;&
mp;gt;
</span></span><span class="highlight-line"><span class="highlight-cl">    &lt;propert
y name=&lt;quot;beanNames&lt;quot;&lt;gt;
</span></span><span class="highlight-line"><span class="highlight-cl">    &lt;list&
mp;gt;
</span></span><span class="highlight-line"><span class="highlight-cl">        &lt;va
ue&lt;gt;*Service&lt;/value&lt;gt;
</span></span><span class="highlight-line"><span class="highlight-cl">    &lt;/list
&lt;gt;
</span></span><span class="highlight-line"><span class="highlight-cl">    &lt;/prope
ty&lt;gt;
</span></span><span class="highlight-line"><span class="highlight-cl">    &lt;propert
y name=&lt;quot;interceptorNames&lt;quot;&lt;gt;
</span></span><span class="highlight-line"><span class="highlight-cl">    &lt;list&
mp;gt;
</span></span><span class="highlight-line"><span class="highlight-cl">        &lt;va
ue&lt;gt;transactionInterceptor&lt;/value&lt;gt;
</span></span><span class="highlight-line"><span class="highlight-cl">    &lt;/list
&lt;gt;
</span></span><span class="highlight-line"><span class="highlight-cl">    &lt;/prope
ty&lt;gt;
</span></span><span class="highlight-line"><span class="highlight-cl">    &lt;/bean&a
p;gt;
</span></span></code></pre>
<p>&lt;/beans&gt;<br>
</p></pre>
<p><span>上面的xml是我实际项目中的配置文件。采用自动代理的方式给service层的方法符合条
的加上了事务控制。</span></p>
<p><span>参考资料：<a href="https://ld246.com/forward?goto=http%3A%2F%2Fwww.ibm.
om%2Fdeveloperworks%2Fcn%2Feducation%2Fopensource%2Fos-cn-spring-trans%2Fsectio
4.html" target="_blank" rel="nofollow ugc">http://www.ibm.com/developerworks/cn/educat
on/opensource/os-cn-spring-trans/section4.html</a></span></p>

```