源自：http://www.iteye.com/topic/1122740?page=4

|  |  |  |  |
| --- | --- | --- | --- |
| 前些日子一朋友在需要在目标对象中进行自我调用，且需要实施相应的事务定义，且网上的一种通过BeanPostProcessor的解决方案是存在问题的。因此专门写此篇帖子分析why。  **1、预备知识**  aop概念请参考【<http://www.iteye.com/topic/1122401>】和【<http://jinnianshilongnian.iteye.com/blog/1418596>】  spring的事务管理，请参考【<http://jinnianshilongnian.iteye.com/blog/1441271>】      使用AOP 代理后的方法调用执行流程，如图所示  http://dl.iteye.com/upload/attachment/0066/6245/a7d8d493-e387-34e9-a637-8a4d8d438602.jpg  也就是说我们首先调用的是AOP代理对象而不是目标对象，首先执行事务切面，事务切面内部通过TransactionInterceptor环绕增强进行事务的增强，即进入目标方法之前开启事务，退出目标方法时提交/回滚事务。  **2、测试代码准备**  **Java代码  [收藏代码](javascript:void())**   1. **public** **interface** AService { 2. **public** **void** a(); 3. **public** **void** b(); 4. } 6. @Service() 7. **public** **class** AServiceImpl1 **implements** AService{ 8. @Transactional(propagation = Propagation.REQUIRED) 9. **public** **void** a() { 10. **this**.b(); 11. } 12. @Transactional(propagation = Propagation.REQUIRES\_NEW) 13. **public** **void** b() { 14. } 15. }     **3、问题**  目标对象内部的自我调用将无法实施切面中的增强，如图所示  http://dl.iteye.com/upload/attachment/0066/6247/d33ee177-cf3f-39cc-befe-533306b0715f.jpg  此处的this指向目标对象，因此调用this.b()将不会执行b事务切面，即不会执行事务增强，因此b方法的事务定义“@Transactional(propagation = Propagation.REQUIRES\_NEW)”将不会实施，即结果是b和a方法的事务定义是一样的，可以从以下日志看出：     org.springframework.transaction.annotation.AnnotationTransactionAttributeSource Adding transactional method 'a' with attribute: PROPAGATION\_REQUIRED,ISOLATION\_DEFAULT; ''  org.springframework.beans.factory.support.DefaultListableBeanFactory Returning cached instance of singleton bean 'txManager'  org.springframework.orm.hibernate4.HibernateTransactionManager Creating new transaction with name [com.sishuok.service.impl.AServiceImpl1.a]: PROPAGATION\_REQUIRED,ISOLATION\_DEFAULT; ''  -----创建a方法事务  org.springframework.orm.hibernate4.HibernateTransactionManager Opened new Session …… for Hibernate transaction  ---打开Session  ……  org.springframework.transaction.support.TransactionSynchronizationManager Initializing transaction synchronization  org.springframework.transaction.interceptor.TransactionInterceptor Getting transaction for [com.sishuok.service.impl.AServiceImpl1.a]  org.springframework.transaction.interceptor.TransactionInterceptor Completing transaction for [com.sishuok.service.impl.AServiceImpl1.a] ----完成a方法事务  org.springframework.orm.hibernate4.HibernateTransactionManager Triggering beforeCommit synchronization  org.springframework.orm.hibernate4.HibernateTransactionManager Triggering beforeCompletion synchronization  org.springframework.orm.hibernate4.HibernateTransactionManager Initiating transaction commit    org.springframework.orm.hibernate4.HibernateTransactionManager Committing Hibernate transaction on Session ……---提交a方法事务  或  org.springframework.orm.hibernate4.HibernateTransactionManager Rolling back Hibernate transaction on Session ……---如果有异常将回滚a方法事务    org.springframework.orm.hibernate4.HibernateTransactionManager Triggering afterCommit synchronization  org.springframework.orm.hibernate4.HibernateTransactionManager Triggering afterCompletion synchronization  org.springframework.transaction.support.TransactionSynchronizationManager Clearing transaction synchronization  ……  org.springframework.orm.hibernate4.HibernateTransactionManager Closing Hibernate Session …… after transaction     --关闭Session    我们可以看到事务切面只对a方法进行了事务增强，没有对b方法进行增强。    **3、解决方案**  此处a方法中调用b方法时，只要通过AOP代理调用b方法即可走事务切面，即可以进行事务增强，如下所示：  **Java代码  [收藏代码](javascript:void())**   1. **public** **void** a() { 2. aopProxy.b();//即调用AOP代理对象的b方法即可执行事务切面进行事务增强 3. }     判断一个Bean是否是AOP代理对象可以使用如下三种方法：  AopUtils.isAopProxy(bean)        ： 是否是代理对象；  AopUtils.isCglibProxy(bean)       ： 是否是CGLIB方式的代理对象；  AopUtils.isJdkDynamicProxy(bean) ： 是否是JDK动态代理方式的代理对象；  **3.1、通过ThreadLocal暴露Aop代理对象**  **1、开启暴露Aop代理到ThreadLocal支持（如下配置方式从spring3开始支持）**  **Java代码  [收藏代码](javascript:void())**   1. <aop:aspectj-autoproxy expose-proxy="true"/><!—注解风格支持-->   **Java代码  [收藏代码](javascript:void())**   1. <aop:config expose-proxy="true"><!—xml风格支持-->     **2、修改我们的业务实现类**  this.b();-----------修改为--------->((AService) AopContext.currentProxy()).b();    **3、执行测试用例，日志如下**      org.springframework.beans.factory.support.DefaultListableBeanFactory Returning cached instance of singleton bean 'txManager'  org.springframework.orm.hibernate4.HibernateTransactionManager Creating new transaction with name [com.sishuok.service.impl.AServiceImpl2.a]: PROPAGATION\_REQUIRED,ISOLATION\_DEFAULT; ''   -----创建a方法事务  org.springframework.orm.hibernate4.HibernateTransactionManager Opened new Session ……for Hibernate transaction  --打开a Session  org.springframework.orm.hibernate4.HibernateTransactionManager Preparing JDBC Connection of Hibernate Session ……  org.springframework.orm.hibernate4.HibernateTransactionManager Exposing Hibernate transaction as JDBC transaction ……  ……  org.springframework.transaction.support.TransactionSynchronizationManager Initializing transaction synchronization  org.springframework.transaction.interceptor.TransactionInterceptor Getting transaction for [com.sishuok.service.impl.AServiceImpl2.a]    org.springframework.transaction.annotation.AnnotationTransactionAttributeSource Adding transactional method 'b' with attribute: PROPAGATION\_REQUIRES\_NEW,ISOLATION\_DEFAULT; ''  ……  org.springframework.orm.hibernate4.HibernateTransactionManager Suspending current transaction, creating new transaction with name [com.sishuok.service.impl.AServiceImpl2.b]  -----创建b方法事务（并暂停a方法事务）  ……  org.springframework.orm.hibernate4.HibernateTransactionManager Opened new Session  for Hibernate transaction  ---打开b Session  ……  org.springframework.transaction.support.TransactionSynchronizationManager Initializing transaction synchronization  org.springframework.transaction.interceptor.TransactionInterceptor Getting transaction for [com.sishuok.service.impl.AServiceImpl2.b]  org.springframework.transaction.interceptor.TransactionInterceptor Completing transaction for [com.sishuok.service.impl.AServiceImpl2.b] ----完成b方法事务    org.springframework.orm.hibernate4.HibernateTransactionManager Triggering beforeCommit synchronization  org.springframework.orm.hibernate4.HibernateTransactionManager Triggering beforeCompletion synchronization  org.springframework.orm.hibernate4.HibernateTransactionManager Initiating transaction commit  org.springframework.orm.hibernate4.HibernateTransactionManager Committing Hibernate transaction on Session …… ---提交b方法事务  org.springframework.orm.hibernate4.HibernateTransactionManager Triggering afterCommit synchronization  org.springframework.orm.hibernate4.HibernateTransactionManager Triggering afterCompletion synchronization  org.springframework.transaction.support.TransactionSynchronizationManager Clearing transaction synchronization  ……  org.springframework.orm.hibernate4.HibernateTransactionManager Closing Hibernate Session …… after transaction  --关闭 b Session    -----到此b方法事务完毕    org.springframework.orm.hibernate4.HibernateTransactionManager Resuming suspended transaction after completion of inner transaction ---恢复a方法事务  ……  org.springframework.transaction.support.TransactionSynchronizationManager Initializing transaction synchronization  org.springframework.transaction.interceptor.TransactionInterceptor Completing transaction for [com.sishuok.service.impl.AServiceImpl2.a] ----完成a方法事务  org.springframework.orm.hibernate4.HibernateTransactionManager Triggering beforeCommit synchronization  org.springframework.orm.hibernate4.HibernateTransactionManager Triggering beforeCompletion synchronization  org.springframework.orm.hibernate4.HibernateTransactionManager Initiating transaction commit  org.springframework.orm.hibernate4.HibernateTransactionManager Committing Hibernate transaction on Session ……---提交a方法事务  org.springframework.orm.hibernate4.HibernateTransactionManager Triggering afterCommit synchronization  org.springframework.orm.hibernate4.HibernateTransactionManager Triggering afterCompletion synchronization  org.springframework.transaction.support.TransactionSynchronizationManager Clearing transaction synchronization  ……  org.springframework.orm.hibernate4.HibernateTransactionManager Closing Hibernate Session …… after transaction  --关闭 a Session        **此处我们可以看到b方法的事务起作用了。**    以上方式是解决目标对象内部方法自我调用并实施事务的最简单的解决方案。    **4、实现原理分析**  http://dl.iteye.com/upload/attachment/0066/6249/11bcfc1c-06cd-3443-a3c6-944320476689.jpg  4.1、在进入代理对象之后通过AopContext.serCurrentProxy(proxy)暴露当前代理对象到ThreadLocal，并保存上次ThreadLocal绑定的代理对象为oldProxy；  4.2、接下来我们可以通过 AopContext.currentProxy() 获取当前代理对象；  4.3、在退出代理对象之前要重新将ThreadLocal绑定的代理对象设置为上一次的代理对象，即AopContext.serCurrentProxy(oldProxy)。    有些人不喜欢这种方式，说通过ThreadLocal暴露有性能问题，其实这个不需要考虑，因为事务相关的（Session和Connection）内部也是通过SessionHolder和ConnectionHolder暴露到ThreadLocal实现的。    不过自我调用这种场景确实只有很少情况遇到，因此不用这种方式我们也可以通过如下方式实现。  **3.2、通过初始化方法在目标对象中注入代理对象**  **Java代码  [收藏代码](javascript:void())**   1. @Service 2. **public** **class** AServiceImpl3 **implements** AService{ 3. @Autowired  //①  注入上下文 4. **private** ApplicationContext context; 6. **private** AService proxySelf; //②  表示代理对象，不是目标对象 7. @PostConstruct  //③ 初始化方法 8. **private** **void** setSelf() { 9. //从上下文获取代理对象（如果通过proxtSelf=this是不对的，this是目标对象） 10. //此种方法不适合于prototype Bean，因为每次getBean返回一个新的Bean 11. proxySelf = context.getBean(AService.**class**); 12. } 13. @Transactional(propagation = Propagation.REQUIRED) 14. **public** **void** a() { 15. proxySelf.b(); //④ 调用代理对象的方法 这样可以执行事务切面 16. } 17. @Transactional(propagation = Propagation.REQUIRES\_NEW) 18. **public** **void** b() { 19. } 20. }     此处日志就不分析，和3.1类似。此种方式不是很灵活，所有需要自我调用的实现类必须重复实现代码。  **3.3、通过****BeanPostProcessor 在目标对象中注入代理对象**  此种解决方案可以参考<http://fyting.iteye.com/blog/109236>。    BeanPostProcessor 的介绍和使用敬请等待我的下一篇分析帖。    **一、定义BeanPostProcessor 需要使用的标识接口**    **Java代码  [收藏代码](javascript:void())**   1. **public** **interface** BeanSelfAware { 2. **void** setSelf(Object proxyBean); 3. }    即我们自定义的BeanPostProcessor （InjectBeanSelfProcessor）如果发现我们的Bean是实现了该标识接口就调用setSelf注入代理对象。    **二、Bean实现**  **Java代码  [收藏代码](javascript:void())**   1. @Service 2. **public** **class** AServiceImpl4 **implements** AService, BeanSelfAware {//此处省略接口定义 3. **private** AService proxySelf; 4. **public** **void** setSelf(Object proxyBean) { //通过InjectBeanSelfProcessor注入自己（目标对象）的AOP代理对象 5. **this**.proxySelf = (AService) proxyBean; 6. } 7. @Transactional(propagation = Propagation.REQUIRED) 8. **public** **void** a() { 9. proxySelf.b();//调用代理对象的方法 这样可以执行事务切面 10. } 11. @Transactional(propagation = Propagation.REQUIRES\_NEW) 12. **public** **void** b() { 13. } 14. }   实现BeanSelfAware标识接口的setSelf将代理对象注入，并且通过“proxySelf.b()”这样可以实施b方法的事务定义。    **三、InjectBeanSelfProcessor实现**    **Java代码  [收藏代码](javascript:void())**   1. @Component 2. **public** **class** InjectBeanSelfProcessor **implements** BeanPostProcessor { 3. **public** Object postProcessBeforeInitialization(Object bean, String beanName) **throws** BeansException { 4. **return** bean; 5. } 6. **public** Object postProcessAfterInitialization(Object bean, String beanName) **throws** BeansException { 7. **if**(bean **instanceof** BeanSelfAware) {//如果Bean实现了BeanSelfAware标识接口，就将代理对象注入 8. ((BeanSelfAware) bean).setSelf(bean); //即使是prototype Bean也可以使用此种方式 9. } 10. **return** bean; 11. } 12. }     postProcessAfterInitialization根据目标对象是否实现BeanSelfAware标识接口，通过setSelf(bean)将代理对象（bean）注入到目标对象中，从而可以完成目标对象内部的自我调用。    关于BeanPostProcessor的执行流程等请一定参考我的这篇帖子，否则无法继续往下执行。    **四、InjectBeanSelfProcessor的问题**  **（1、场景：**通过InjectBeanSelfProcessor进行注入代理对象且循环依赖场景下会产生前者无法通过setSelf设置代理对象的问题。 循环依赖是应该避免的，但是实际工作中不可避免会有人使用这种注入，毕竟没有强制性。    **（2、用例**  **（2.1、定义BeanPostProcessor 需要使用的标识接口**  和3.1中一样此处不再重复。    **（2.2、Bean实现**    **Java代码  [收藏代码](javascript:void())**   1. @Service 2. **public** **class** AServiceImpl **implements** AService, BeanSelfAware {//此处省略Aservice接口定义 3. @Autowired 4. **private** BService bService;   //①  通过@Autowired方式注入BService 5. **private** AService self;       //②  注入自己的AOP代理对象 6. **public** **void** setSelf(Object proxyBean) { 7. **this**.self = (AService) proxyBean;  //③ 通过InjectBeanSelfProcessor注入自己（目标对象）的AOP代理对象 8. System.out.println("AService=="+ AopUtils.isAopProxy(**this**.self)); //如果输出true标识AOP代理对象注入成功 9. } 10. @Transactional(propagation = Propagation.REQUIRED) 11. **public** **void** a() { 12. self.b(); 13. } 14. @Transactional(propagation = Propagation.REQUIRES\_NEW) 15. **public** **void** b() { 16. } 17. }       **Java代码  [收藏代码](javascript:void())**   1. @Service 2. **public** **class** BServiceImpl **implements** BService, BeanSelfAware {//此处省略Aservice接口定义 3. @Autowired 4. **private** AService aService;  //①  通过@Autowired方式注入AService 5. **private** BService self;      //②  注入自己的AOP代理对象 6. **public** **void** setSelf(Object proxyBean) {  //③ 通过InjectBeanSelfProcessor注入自己（目标对象）的AOP代理对象 7. **this**.self = (BService) proxyBean; 8. System.out.println("BService=" + AopUtils.isAopProxy(**this**.self)); //如果输出true标识AOP代理对象注入成功 9. } 10. @Transactional(propagation = Propagation.REQUIRED) 11. **public** **void** a() { 12. self.b(); 13. } 14. @Transactional(propagation = Propagation.REQUIRES\_NEW) 15. **public** **void** b() { 16. } 17. }   此处A依赖B，B依赖A，即构成循环依赖，此处不探讨循环依赖的设计问题（实际工作应该避免循环依赖），只探讨为什么循环依赖会出现注入代理对象失败的问题。    循环依赖请参考我的博文【<http://jinnianshilongnian.iteye.com/blog/1415278>】。  依赖的初始化和销毁顺序请参考我的博文【<http://jinnianshilongnian.iteye.com/blog/1415461>】。    **（2.3、InjectBeanSelfProcessor实现**  和之前3.3中一样 此处不再重复。    **（2.4、测试用例**    **Java代码  [收藏代码](javascript:void())**   1. @RunWith(value = SpringJUnit4ClassRunner.**class**) 2. @ContextConfiguration(value = {"classpath:spring-config.xml"}) 3. **public** **class** SelfInjectTest { 4. @Autowired 5. AService aService; 6. @Autowired 7. BService bService; 8. @Test 9. **public** **void** test() { 10. } 11. }     执行如上测试用例会输出：  BService=true  AService==false  即BService通过InjectBeanSelfProcessor注入代理对象成功，而AService却失败了（实际是注入了目标对象），如下是debug得到的信息：    http://dl.iteye.com/upload/attachment/0066/6257/abcbe77b-491a-3e3a-97fd-a560d01a886b.jpg  http://dl.iteye.com/upload/attachment/0066/6253/ff7eef80-207b-31ed-8fa8-08990fec1e82.jpg    **（2. 5、这是为什么呢，怎么在循环依赖会出现这种情况？**    敬请期待我的下一篇分析帖。  **3.4、改进版的InjectBeanSelfProcessor的解决方案**  **Java代码  [收藏代码](javascript:void())**   1. @Component 2. **public** **class** InjectBeanSelfProcessor2 **implements** BeanPostProcessor, ApplicationContextAware { 3. **private** ApplicationContext context; 4. //① 注入ApplicationContext 5. **public** **void** setApplicationContext(ApplicationContext applicationContext) **throws** BeansException { 6. **this**.context = applicationContext; 7. } 8. **public** Object postProcessAfterInitialization(Object bean, String beanName) **throws** BeansException { 9. **if**(!(bean **instanceof** BeanSelfAware)) { //② 如果Bean没有实现BeanSelfAware标识接口 跳过 10. **return** bean; 11. } 12. **if**(AopUtils.isAopProxy(bean)) { //③ 如果当前对象是AOP代理对象，直接注入 13. ((BeanSelfAware) bean).setSelf(bean); 14. } **else** { 15. //④ 如果当前对象不是AOP代理，则通过context.getBean(beanName)获取代理对象并注入 16. //此种方式不适合解决prototype Bean的代理对象注入 17. ((BeanSelfAware)bean).setSelf(context.getBean(beanName)); 18. } 19. **return** bean; 20. } 21. **public** Object postProcessBeforeInitialization(Object bean, String beanName) **throws** BeansException { 22. **return** bean; 23. } 24. }     **5、总结**  **纵观其上：**  【3.1 通过ThreadLocal暴露Aop代理对象】适合解决所有场景（不管是singleton Bean还是prototype Bean）的AOP代理获取问题（即能解决目标对象的自我调用问题）；    【3.2 通过初始化方法在目标对象中注入代理对象】 和【3.4 改进版的InjectBeanSelfProcessor的解决方案】能解决普通（无循环依赖）的AOP代理对象注入问题，而且也能解决【3.3】中提到的循环依赖（应该是singleton之间的循环依赖）造成的目标对象无法注入AOP代理对象问题，但该解决方案不适合解决循环依赖中包含prototype Bean的自我调用问题；    【3.3 通过BeanPostProcessor 在目标对象中注入代理对象】：只能解决 普通（无循环依赖）的 的Bean注入AOP代理，无法解决循环依赖的AOP代理对象注入问题，即无法解决目标对象的自我调用问题。        **jingnianshilongnian 写道**  spring允许的循环依赖（只考虑单例和原型Bean）： A----B B----A 只有在A和B都不为原型是允许的，即如果A和B都是prototype则会报错（无法进行原型Bean的循环依赖）。 A（单例）---B（单例） 或 A（原型）---B（单例） 这是可以的，但 A（原型）---B（原型）或 A（原型）---B（单例Lazy）【且context.getBean("A")】时 这是不允许的。  一、A（原型）---B（原型） A（原型）---B（单例Lazy）【且context.getBean("A")】 会报： Error creating bean with name 'BServiceImpl': Injection of autowired dependencies failed; nested exception is org.springframework.beans.factory.BeanCreationException: Could not autowire field: private com.sishuok.issue.AService com.sishuok.issue.impl.BServiceImpl.aService; nested exception is org.springframework.beans.factory.BeanCreationException: Error creating bean with name 'AServiceImpl': Injection of autowired dependencies failed; nested exception is org.springframework.beans.factory.BeanCreationException: Could not autowire field: private com.sishuok.issue.BService com.sishuok.issue.impl.AServiceImpl.bService; nested exception is org.springframework.beans.factory.BeanCurrentlyInCreationException: Error creating bean with name 'BServiceImpl': Requested bean is currently in creation: [color=red]Is there an unresolvable circular reference[/color]?  二、A（原型）---B（单例） 和 A（单例）---B（单例） 这种方式 使用我的 【3.3 通过BeanPostProcessor 在目标对象中注入代理对象】 是没有问题的。  因此【 3.4 改进版的InjectBeanSelfProcessor的解决方案 】 可以作为最后的解决方案。      没有完美的解决方案，只有最适用的解决方案。    测试代码请参考附件，jar包与<http://www.iteye.com/topic/1120924>使用的是一样的    下一篇  [**Spring开闭原则的表现-BeanPostProcessor扩展点-1**](http://www.iteye.com/topic/1122859)   * [self-invocation.rar](http://dl.iteye.com/topics/download/2ba09694-2e8d-3193-994f-3be00cd8889e) (31.9 KB) * 下载次数: 137 * [查看图片附件](http://www.iteye.com/topic/1122740)   声明：ITeye文章版权属于作者，受法律保护。没有作者书面许可不得转载。  推荐链接 | | | |
| [返回顶楼](http://www.iteye.com/topic/1122740) | | | |  | | |
|  | | | | | | |
| * **7454103** * 等级: 初级会员 * [7454103的博客](http://7454103.iteye.com/) * 性别: http://www.iteye.com/images/icon_minigender_1.gif * 文章: 136 * 积分: 20 * 来自: 西安 * http://www.iteye.com/images/status/offline.gif | | | | 发表时间：2012-04-16  [收藏](http://www.iteye.com/admin/link?user_favorite%5Btitle%5D=7454103%E5%9B%9E%E5%B8%96%3ASpring%E4%BA%8B%E5%8A%A1%E5%A4%84%E7%90%86%E6%97%B6%E8%87%AA%E6%88%91%E8%B0%83%E7%94%A8%E7%9A%84%E8%A7%A3%E5%86%B3%E6%96%B9%E6%A1%88%E5%8F%8A%E4%B8%80%E4%BA%9B%E5%AE%9E%E7%8E%B0%E6%96%B9%E5%BC%8F%E7%9A%84%E9%A3%8E%E9%99%A9&user_favorite%5Burl%5D=http%3A%2F%2Fwww.iteye.com%2Ftopic%2F1122740%232340909)  图文并茂，辛苦了！ 顶！  楼主最近很多spring 相关的帖子啊 呵呵 ！  （能否挑战下出个 Spring Data jpa ？  O(∩\_∩)O ） | | |
| [返回顶楼](http://www.iteye.com/topic/1122740) | | | | [回帖地址](http://www.iteye.com/topic/1122740#2340909)  [0](http://www.iteye.com/topic/1122740) [0](http://www.iteye.com/topic/1122740) 已投票 | | |
|  | | | | | | |
| * **jinnianshilongnian** * 等级: 五钻会员 * [jinnianshilongnian的博客](http://jinnianshilongnian.iteye.com/) * 性别: http://www.iteye.com/images/icon_minigender_1.gif * 文章: 1112 * 积分: 2280 * http://www.iteye.com/images/status/offline.gif | | | | 发表时间：2012-04-16  [收藏](http://www.iteye.com/admin/link?user_favorite%5Btitle%5D=jinnianshilongnian%E5%9B%9E%E5%B8%96%3ASpring%E4%BA%8B%E5%8A%A1%E5%A4%84%E7%90%86%E6%97%B6%E8%87%AA%E6%88%91%E8%B0%83%E7%94%A8%E7%9A%84%E8%A7%A3%E5%86%B3%E6%96%B9%E6%A1%88%E5%8F%8A%E4%B8%80%E4%BA%9B%E5%AE%9E%E7%8E%B0%E6%96%B9%E5%BC%8F%E7%9A%84%E9%A3%8E%E9%99%A9&user_favorite%5Burl%5D=http%3A%2F%2Fwww.iteye.com%2Ftopic%2F1122740%232340910)  **7454103 写道**  图文并茂，辛苦了！ 顶！  楼主最近很多spring 相关的帖子啊 呵呵 ！  （能否挑战下出个 Spring Data jpa ？  O(∩\_∩)O ）  呵呵，一样一样来 http://www.iteye.com/images/smiles/icon_biggrin.gif | | |
| [返回顶楼](http://www.iteye.com/topic/1122740) | | | | [回帖地址](http://www.iteye.com/topic/1122740#2340910)  [0](http://www.iteye.com/topic/1122740) [0](http://www.iteye.com/topic/1122740) 已投票 | | |
|  | | | | | | |
| * **steafler** * 等级: 初级会员 * [steafler的博客](http://steafler.iteye.com/) * 性别: http://www.iteye.com/images/icon_minigender_1.gif * 文章: 131 * 积分: 0 * 来自: 成都 * http://www.iteye.com/images/status/offline.gif | | | | 发表时间：2012-04-16  [收藏](http://www.iteye.com/admin/link?user_favorite%5Btitle%5D=steafler%E5%9B%9E%E5%B8%96%3ASpring%E4%BA%8B%E5%8A%A1%E5%A4%84%E7%90%86%E6%97%B6%E8%87%AA%E6%88%91%E8%B0%83%E7%94%A8%E7%9A%84%E8%A7%A3%E5%86%B3%E6%96%B9%E6%A1%88%E5%8F%8A%E4%B8%80%E4%BA%9B%E5%AE%9E%E7%8E%B0%E6%96%B9%E5%BC%8F%E7%9A%84%E9%A3%8E%E9%99%A9&user_favorite%5Burl%5D=http%3A%2F%2Fwww.iteye.com%2Ftopic%2F1122740%232340916)  楼猪天天研究spring的哟 | | |
| [返回顶楼](http://www.iteye.com/topic/1122740) | | | | [回帖地址](http://www.iteye.com/topic/1122740#2340916)  [0](http://www.iteye.com/topic/1122740) [0](http://www.iteye.com/topic/1122740) 已投票 | | |
|  | | | | | | |
| * **iqeq00** * 等级: 初级会员 * [iqeq00的博客](http://iqeq00.iteye.com/) * 性别: http://www.iteye.com/images/icon_minigender_1.gif * 文章: 74 * 积分: 30 * 来自: 成都 * http://www.iteye.com/images/status/offline.gif | | | | 发表时间：2012-04-16  [收藏](http://www.iteye.com/admin/link?user_favorite%5Btitle%5D=iqeq00%E5%9B%9E%E5%B8%96%3ASpring%E4%BA%8B%E5%8A%A1%E5%A4%84%E7%90%86%E6%97%B6%E8%87%AA%E6%88%91%E8%B0%83%E7%94%A8%E7%9A%84%E8%A7%A3%E5%86%B3%E6%96%B9%E6%A1%88%E5%8F%8A%E4%B8%80%E4%BA%9B%E5%AE%9E%E7%8E%B0%E6%96%B9%E5%BC%8F%E7%9A%84%E9%A3%8E%E9%99%A9&user_favorite%5Burl%5D=http%3A%2F%2Fwww.iteye.com%2Ftopic%2F1122740%232340922)  楼主，关注你已经很久。。。 不知能否讲下spring mvc 与 spring security 或者struts2 与 spring security的集成相关问题 spring security真的是蛋疼... | | |
| [返回顶楼](http://www.iteye.com/topic/1122740) | | | | [回帖地址](http://www.iteye.com/topic/1122740#2340922)  [0](http://www.iteye.com/topic/1122740) [0](http://www.iteye.com/topic/1122740) 已投票 | | |
|  | | | | | | |
| * **mazzystar** * 等级: 一星会员 * [mazzystar的博客](http://mazzystar.iteye.com/) * 性别: http://www.iteye.com/images/icon_minigender_1.gif * 文章: 223 * 积分: 141 * 来自: 北京 * http://www.iteye.com/images/status/offline.gif | | | | 发表时间：2012-04-16  [收藏](http://www.iteye.com/admin/link?user_favorite%5Btitle%5D=mazzystar%E5%9B%9E%E5%B8%96%3ASpring%E4%BA%8B%E5%8A%A1%E5%A4%84%E7%90%86%E6%97%B6%E8%87%AA%E6%88%91%E8%B0%83%E7%94%A8%E7%9A%84%E8%A7%A3%E5%86%B3%E6%96%B9%E6%A1%88%E5%8F%8A%E4%B8%80%E4%BA%9B%E5%AE%9E%E7%8E%B0%E6%96%B9%E5%BC%8F%E7%9A%84%E9%A3%8E%E9%99%A9&user_favorite%5Burl%5D=http%3A%2F%2Fwww.iteye.com%2Ftopic%2F1122740%232340923)  之前遇到过，当时把被调用的方法放到其他service里了，没有这么深刻的分析过，感谢分享 | | |
| [返回顶楼](http://www.iteye.com/topic/1122740) | | | | [回帖地址](http://www.iteye.com/topic/1122740#2340923)  [0](http://www.iteye.com/topic/1122740) [0](http://www.iteye.com/topic/1122740) 已投票 | | |
|  | | | | | | |
| * **CurrentJ** * 等级: 初级会员 * [CurrentJ的博客](http://currentj.iteye.com/) * 文章: 98 * 积分: 79 * 来自: ... * http://www.iteye.com/images/status/blog_admin.gif | | | | 发表时间：2012-04-16  [收藏](http://www.iteye.com/admin/link?user_favorite%5Btitle%5D=CurrentJ%E5%9B%9E%E5%B8%96%3ASpring%E4%BA%8B%E5%8A%A1%E5%A4%84%E7%90%86%E6%97%B6%E8%87%AA%E6%88%91%E8%B0%83%E7%94%A8%E7%9A%84%E8%A7%A3%E5%86%B3%E6%96%B9%E6%A1%88%E5%8F%8A%E4%B8%80%E4%BA%9B%E5%AE%9E%E7%8E%B0%E6%96%B9%E5%BC%8F%E7%9A%84%E9%A3%8E%E9%99%A9&user_favorite%5Burl%5D=http%3A%2F%2Fwww.iteye.com%2Ftopic%2F1122740%232340925)  有循环依赖的都需要重新作功课。 | | |
| [返回顶楼](http://www.iteye.com/topic/1122740) | | | | [回帖地址](http://www.iteye.com/topic/1122740#2340925)  [0](http://www.iteye.com/topic/1122740) [0](http://www.iteye.com/topic/1122740) 已投票 | | |
|  | | | | | | |
| * **sweat89** * 等级: 初级会员 * [sweat89的博客](http://sweat89.iteye.com/) * 性别: http://www.iteye.com/images/icon_minigender_1.gif * 文章: 253 * 积分: 40 * 来自: 深圳 * http://www.iteye.com/images/status/offline.gif | | | | 发表时间：2012-04-16  [收藏](http://www.iteye.com/admin/link?user_favorite%5Btitle%5D=sweat89%E5%9B%9E%E5%B8%96%3ASpring%E4%BA%8B%E5%8A%A1%E5%A4%84%E7%90%86%E6%97%B6%E8%87%AA%E6%88%91%E8%B0%83%E7%94%A8%E7%9A%84%E8%A7%A3%E5%86%B3%E6%96%B9%E6%A1%88%E5%8F%8A%E4%B8%80%E4%BA%9B%E5%AE%9E%E7%8E%B0%E6%96%B9%E5%BC%8F%E7%9A%84%E9%A3%8E%E9%99%A9&user_favorite%5Burl%5D=http%3A%2F%2Fwww.iteye.com%2Ftopic%2F1122740%232340930)  楼猪发春了·····http://www.iteye.com/images/smiles/icon_biggrin.gif | | |
| [返回顶楼](http://www.iteye.com/topic/1122740) | | | | [回帖地址](http://www.iteye.com/topic/1122740#2340930)  [0](http://www.iteye.com/topic/1122740) [0](http://www.iteye.com/topic/1122740) 已投票 | | |
|  | | | | | | |
| * **55757353** * 等级: 初级会员 * [55757353的博客](http://55757353.iteye.com/) * 性别: http://www.iteye.com/images/icon_minigender_1.gif * 文章: 12 * 积分: 40 * 来自: 贵州 * http://www.iteye.com/images/status/offline.gif | | | | 发表时间：2012-04-16  [收藏](http://www.iteye.com/admin/link?user_favorite%5Btitle%5D=55757353%E5%9B%9E%E5%B8%96%3ASpring%E4%BA%8B%E5%8A%A1%E5%A4%84%E7%90%86%E6%97%B6%E8%87%AA%E6%88%91%E8%B0%83%E7%94%A8%E7%9A%84%E8%A7%A3%E5%86%B3%E6%96%B9%E6%A1%88%E5%8F%8A%E4%B8%80%E4%BA%9B%E5%AE%9E%E7%8E%B0%E6%96%B9%E5%BC%8F%E7%9A%84%E9%A3%8E%E9%99%A9&user_favorite%5Burl%5D=http%3A%2F%2Fwww.iteye.com%2Ftopic%2F1122740%232340933)  楼主很强大啊，膜拜一下。http://www.iteye.com/images/smiles/icon_idea.gif | | |
| [返回顶楼](http://www.iteye.com/topic/1122740) | | | | [回帖地址](http://www.iteye.com/topic/1122740#2340933)  [0](http://www.iteye.com/topic/1122740) [0](http://www.iteye.com/topic/1122740) 已投票 | | |
|  | | | | | | |
| * **jinnianshilongnian** * 等级: 五钻会员 * [jinnianshilongnian的博客](http://jinnianshilongnian.iteye.com/) * 性别: http://www.iteye.com/images/icon_minigender_1.gif * 文章: 1112 * 积分: 2280 * http://www.iteye.com/images/status/offline.gif | | | | 发表时间：2012-04-16  [收藏](http://www.iteye.com/admin/link?user_favorite%5Btitle%5D=jinnianshilongnian%E5%9B%9E%E5%B8%96%3ASpring%E4%BA%8B%E5%8A%A1%E5%A4%84%E7%90%86%E6%97%B6%E8%87%AA%E6%88%91%E8%B0%83%E7%94%A8%E7%9A%84%E8%A7%A3%E5%86%B3%E6%96%B9%E6%A1%88%E5%8F%8A%E4%B8%80%E4%BA%9B%E5%AE%9E%E7%8E%B0%E6%96%B9%E5%BC%8F%E7%9A%84%E9%A3%8E%E9%99%A9&user_favorite%5Burl%5D=http%3A%2F%2Fwww.iteye.com%2Ftopic%2F1122740%232340991)  **CurrentJ 写道**  有循环依赖的都需要重新作功课。  循环依赖是不正确的设计，但还是有人会用，作功课是必须的http://www.iteye.com/images/smiles/icon_biggrin.gif | | |
|  | | | |  | | |
| **锁定老帖子**[**主题：Spring事务处理时自我调用的解决方案及一些实现方式的风险**](http://www.iteye.com/topic/1122740)  **该帖已经被评为精华帖** | | | | | | |
| **作者** | | | | **正文** | | |
| * **javamonkey** * 等级: 三星会员 * [javamonkey的博客](http://javamonkey.iteye.com/) * 性别: http://www.iteye.com/images/icon_minigender_1.gif * 文章: 192 * 积分: 310 * 来自: 北京 * http://www.iteye.com/images/status/offline.gif | | | | 发表时间：2012-04-16  [收藏](http://www.iteye.com/admin/link?user_favorite%5Btitle%5D=javamonkey%E5%9B%9E%E5%B8%96%3ASpring%E4%BA%8B%E5%8A%A1%E5%A4%84%E7%90%86%E6%97%B6%E8%87%AA%E6%88%91%E8%B0%83%E7%94%A8%E7%9A%84%E8%A7%A3%E5%86%B3%E6%96%B9%E6%A1%88%E5%8F%8A%E4%B8%80%E4%BA%9B%E5%AE%9E%E7%8E%B0%E6%96%B9%E5%BC%8F%E7%9A%84%E9%A3%8E%E9%99%A9&user_favorite%5Burl%5D=http%3A%2F%2Fwww.iteye.com%2Ftopic%2F1122740%3Fpage%3D2%232341038)  写的很不错。不过循环引用很难避免。我觉得最好给spring社区一个好的建议，或者下一个发布能改正这个问题会更好 | | |
| [返回顶楼](http://www.iteye.com/topic/1122740?page=2) | | | | [回帖地址](http://www.iteye.com/topic/1122740?page=2#2341038)  [0](http://www.iteye.com/topic/1122740?page=2) [0](http://www.iteye.com/topic/1122740?page=2) 已投票 | | |
|  | | | | | | |
| * **icanfly** * 等级: 初级会员 * [icanfly的博客](http://icanfly.iteye.com/) * 性别: http://www.iteye.com/images/icon_minigender_1.gif * 文章: 245 * 积分: 20 * 来自: kiss * http://www.iteye.com/images/status/offline.gif | | | | 发表时间：2012-04-16  [收藏](http://www.iteye.com/admin/link?user_favorite%5Btitle%5D=icanfly%E5%9B%9E%E5%B8%96%3ASpring%E4%BA%8B%E5%8A%A1%E5%A4%84%E7%90%86%E6%97%B6%E8%87%AA%E6%88%91%E8%B0%83%E7%94%A8%E7%9A%84%E8%A7%A3%E5%86%B3%E6%96%B9%E6%A1%88%E5%8F%8A%E4%B8%80%E4%BA%9B%E5%AE%9E%E7%8E%B0%E6%96%B9%E5%BC%8F%E7%9A%84%E9%A3%8E%E9%99%A9&user_favorite%5Burl%5D=http%3A%2F%2Fwww.iteye.com%2Ftopic%2F1122740%3Fpage%3D2%232341050)  期待2.4，2.5问题剖析 | | |
| [返回顶楼](http://www.iteye.com/topic/1122740?page=2) | | | | [回帖地址](http://www.iteye.com/topic/1122740?page=2#2341050)  [0](http://www.iteye.com/topic/1122740?page=2) [0](http://www.iteye.com/topic/1122740?page=2) 已投票 | | |
|  | | | | | | |
| * **jinnianshilongnian** * 等级: 五钻会员 * [jinnianshilongnian的博客](http://jinnianshilongnian.iteye.com/) * 性别: http://www.iteye.com/images/icon_minigender_1.gif * 文章: 1112 * 积分: 2280 * http://www.iteye.com/images/status/offline.gif | | | | 发表时间：2012-04-16  [收藏](http://www.iteye.com/admin/link?user_favorite%5Btitle%5D=jinnianshilongnian%E5%9B%9E%E5%B8%96%3ASpring%E4%BA%8B%E5%8A%A1%E5%A4%84%E7%90%86%E6%97%B6%E8%87%AA%E6%88%91%E8%B0%83%E7%94%A8%E7%9A%84%E8%A7%A3%E5%86%B3%E6%96%B9%E6%A1%88%E5%8F%8A%E4%B8%80%E4%BA%9B%E5%AE%9E%E7%8E%B0%E6%96%B9%E5%BC%8F%E7%9A%84%E9%A3%8E%E9%99%A9&user_favorite%5Burl%5D=http%3A%2F%2Fwww.iteye.com%2Ftopic%2F1122740%3Fpage%3D2%232341056)  **icanfly 写道**  期待2.4，2.5问题剖析  正在赶制 只能利用晚上时间写！ | | |
| [返回顶楼](http://www.iteye.com/topic/1122740?page=2) | | | | [回帖地址](http://www.iteye.com/topic/1122740?page=2#2341056)  [0](http://www.iteye.com/topic/1122740?page=2) [0](http://www.iteye.com/topic/1122740?page=2) 已投票 | | |
|  | | | | | | |
| * **jinnianshilongnian** * 等级: 五钻会员 * [jinnianshilongnian的博客](http://jinnianshilongnian.iteye.com/) * 性别: http://www.iteye.com/images/icon_minigender_1.gif * 文章: 1112 * 积分: 2280 * http://www.iteye.com/images/status/offline.gif | | | | 发表时间：2012-04-16   最后修改：2012-04-16  [收藏](http://www.iteye.com/admin/link?user_favorite%5Btitle%5D=jinnianshilongnian%E5%9B%9E%E5%B8%96%3ASpring%E4%BA%8B%E5%8A%A1%E5%A4%84%E7%90%86%E6%97%B6%E8%87%AA%E6%88%91%E8%B0%83%E7%94%A8%E7%9A%84%E8%A7%A3%E5%86%B3%E6%96%B9%E6%A1%88%E5%8F%8A%E4%B8%80%E4%BA%9B%E5%AE%9E%E7%8E%B0%E6%96%B9%E5%BC%8F%E7%9A%84%E9%A3%8E%E9%99%A9&user_favorite%5Burl%5D=http%3A%2F%2Fwww.iteye.com%2Ftopic%2F1122740%3Fpage%3D2%232341082)  **javamonkey 写道**  写的很不错。不过循环引用很难避免。我觉得最好给spring社区一个好的建议，或者下一个发布能改正这个问题会更好  spring允许的循环依赖（只考虑单例和原型Bean）：  A----B  B----A  只有在A和B都不为原型是允许的，即如果A和B都是prototype则会报错（无法进行原型Bean的循环依赖）。  A（单例）---B（单例） 或 A（原型）---B（单例） 这是可以的，但 A（原型）---B（原型）或 A（原型）---B（单例Lazy）【且context.getBean("A")】时 这是不允许的。   一、A（原型）---B（原型） 或 A（原型）---B（单例Lazy）【且context.getBean("A")】 会报：  Error creating bean with name 'BServiceImpl': Injection of autowired dependencies failed; nested exception is org.springframework.beans.factory.BeanCreationException: Could not autowire field: private com.sishuok.issue.AService com.sishuok.issue.impl.BServiceImpl.aService; nested exception is org.springframework.beans.factory.BeanCreationException: Error creating bean with name 'AServiceImpl': Injection of autowired dependencies failed; nested exception is org.springframework.beans.factory.BeanCreationException: Could not autowire field: private com.sishuok.issue.BService com.sishuok.issue.impl.AServiceImpl.bService; nested exception is org.springframework.beans.factory.BeanCurrentlyInCreationException: Error creating bean with name 'BServiceImpl': Requested bean is currently in creation: Is there an unresolvable circular reference?   二、A（原型）---B（单例） 和 A（单例）---B（单例）  这种方式 使用我的 【3.3 通过BeanPostProcessor 在目标对象中注入代理对象】 是没有问题的。   三、因此【3.4 改进版的InjectBeanSelfProcessor的解决方案】 可以作为最后的解决方案。 | | |
| [返回顶楼](http://www.iteye.com/topic/1122740?page=2) | | | | [回帖地址](http://www.iteye.com/topic/1122740?page=2#2341082)  [0](http://www.iteye.com/topic/1122740?page=2) [0](http://www.iteye.com/topic/1122740?page=2) 已投票 | | |
|  | | | | | | |
| * **Rhain** * 等级: 初级会员 * [Rhain的博客](http://rhain.iteye.com/) * 性别: http://www.iteye.com/images/icon_minigender_1.gif * 文章: 9 * 积分: 50 * http://www.iteye.com/images/status/offline.gif | | | | 发表时间：2012-04-16  [收藏](http://www.iteye.com/admin/link?user_favorite%5Btitle%5D=Rhain%E5%9B%9E%E5%B8%96%3ASpring%E4%BA%8B%E5%8A%A1%E5%A4%84%E7%90%86%E6%97%B6%E8%87%AA%E6%88%91%E8%B0%83%E7%94%A8%E7%9A%84%E8%A7%A3%E5%86%B3%E6%96%B9%E6%A1%88%E5%8F%8A%E4%B8%80%E4%BA%9B%E5%AE%9E%E7%8E%B0%E6%96%B9%E5%BC%8F%E7%9A%84%E9%A3%8E%E9%99%A9&user_favorite%5Burl%5D=http%3A%2F%2Fwww.iteye.com%2Ftopic%2F1122740%3Fpage%3D2%232341164)  学习了，写的很好！ | | |
| [返回顶楼](http://www.iteye.com/topic/1122740?page=2) | | | | [回帖地址](http://www.iteye.com/topic/1122740?page=2#2341164)  [0](http://www.iteye.com/topic/1122740?page=2) [0](http://www.iteye.com/topic/1122740?page=2) 已投票 | | |
|  | | | | | | |
| * **jyjava** * 等级: 初级会员 * [jyjava的博客](http://jyjava.iteye.com/) * 性别: http://www.iteye.com/images/icon_minigender_1.gif * 文章: 153 * 积分: 30 * 来自: 南京 * http://www.iteye.com/images/status/offline.gif | | | | 发表时间：2012-04-16  [收藏](http://www.iteye.com/admin/link?user_favorite%5Btitle%5D=jyjava%E5%9B%9E%E5%B8%96%3ASpring%E4%BA%8B%E5%8A%A1%E5%A4%84%E7%90%86%E6%97%B6%E8%87%AA%E6%88%91%E8%B0%83%E7%94%A8%E7%9A%84%E8%A7%A3%E5%86%B3%E6%96%B9%E6%A1%88%E5%8F%8A%E4%B8%80%E4%BA%9B%E5%AE%9E%E7%8E%B0%E6%96%B9%E5%BC%8F%E7%9A%84%E9%A3%8E%E9%99%A9&user_favorite%5Burl%5D=http%3A%2F%2Fwww.iteye.com%2Ftopic%2F1122740%3Fpage%3D2%232341207)  如果是同一个对象，调用不同的方法，只要该方法跟数据库打交道了，不就会根据配置的事务传递方式设置此方法所属的事务吗，当然如果不跟数据库打交道就没必要关心事务了，业务的事务， | | |
| [返回顶楼](http://www.iteye.com/topic/1122740?page=2) | | | | [回帖地址](http://www.iteye.com/topic/1122740?page=2#2341207)  [0](http://www.iteye.com/topic/1122740?page=2) [0](http://www.iteye.com/topic/1122740?page=2) 已投票 | | |
|  | | | | | | |
| * **jinnianshilongnian** * 等级: 五钻会员 * [jinnianshilongnian的博客](http://jinnianshilongnian.iteye.com/) * 性别: http://www.iteye.com/images/icon_minigender_1.gif * 文章: 1112 * 积分: 2280 * http://www.iteye.com/images/status/offline.gif | | | | 发表时间：2012-04-16  [收藏](http://www.iteye.com/admin/link?user_favorite%5Btitle%5D=jinnianshilongnian%E5%9B%9E%E5%B8%96%3ASpring%E4%BA%8B%E5%8A%A1%E5%A4%84%E7%90%86%E6%97%B6%E8%87%AA%E6%88%91%E8%B0%83%E7%94%A8%E7%9A%84%E8%A7%A3%E5%86%B3%E6%96%B9%E6%A1%88%E5%8F%8A%E4%B8%80%E4%BA%9B%E5%AE%9E%E7%8E%B0%E6%96%B9%E5%BC%8F%E7%9A%84%E9%A3%8E%E9%99%A9&user_favorite%5Burl%5D=http%3A%2F%2Fwww.iteye.com%2Ftopic%2F1122740%3Fpage%3D2%232341221)  **jyjava 写道**  如果是同一个对象，调用不同的方法，只要该方法跟数据库打交道了，不就会根据配置的事务传递方式设置此方法所属的事务吗，当然如果不跟数据库打交道就没必要关心事务了，业务的事务，  只要目标对象的目标方法 内部调用时 才需要解决，其实更好的方式是避免内部调用 | | |
| [返回顶楼](http://www.iteye.com/topic/1122740?page=2) | | | | [回帖地址](http://www.iteye.com/topic/1122740?page=2#2341221)  [0](http://www.iteye.com/topic/1122740?page=2) [0](http://www.iteye.com/topic/1122740?page=2) 已投票 | | |
|  | | | | | | |
| * **wenjinglian** * 等级: 一星会员 * [wenjinglian的博客](http://nassir.iteye.com/) * 性别: http://www.iteye.com/images/icon_minigender_1.gif * 文章: 78 * 积分: 120 * 来自: 株洲->深圳 * http://www.iteye.com/images/status/offline.gif | | | | 发表时间：2012-04-16  [收藏](http://www.iteye.com/admin/link?user_favorite%5Btitle%5D=wenjinglian%E5%9B%9E%E5%B8%96%3ASpring%E4%BA%8B%E5%8A%A1%E5%A4%84%E7%90%86%E6%97%B6%E8%87%AA%E6%88%91%E8%B0%83%E7%94%A8%E7%9A%84%E8%A7%A3%E5%86%B3%E6%96%B9%E6%A1%88%E5%8F%8A%E4%B8%80%E4%BA%9B%E5%AE%9E%E7%8E%B0%E6%96%B9%E5%BC%8F%E7%9A%84%E9%A3%8E%E9%99%A9&user_favorite%5Burl%5D=http%3A%2F%2Fwww.iteye.com%2Ftopic%2F1122740%3Fpage%3D2%232341337)  分析得很好 | | |
| [返回顶楼](http://www.iteye.com/topic/1122740?page=2) | | | | [回帖地址](http://www.iteye.com/topic/1122740?page=2#2341337)  [0](http://www.iteye.com/topic/1122740?page=2) [0](http://www.iteye.com/topic/1122740?page=2) 已投票 | | |
|  | | | | | | |
| * **xh176233756** * 等级: 初级会员 * [xh176233756的博客](http://xh176233756.iteye.com/) * 性别: http://www.iteye.com/images/icon_minigender_1.gif * 文章: 7 * 积分: 30 * 来自: 武汉 * http://www.iteye.com/images/status/offline.gif | | | | 发表时间：2012-04-16  [收藏](http://www.iteye.com/admin/link?user_favorite%5Btitle%5D=xh176233756%E5%9B%9E%E5%B8%96%3ASpring%E4%BA%8B%E5%8A%A1%E5%A4%84%E7%90%86%E6%97%B6%E8%87%AA%E6%88%91%E8%B0%83%E7%94%A8%E7%9A%84%E8%A7%A3%E5%86%B3%E6%96%B9%E6%A1%88%E5%8F%8A%E4%B8%80%E4%BA%9B%E5%AE%9E%E7%8E%B0%E6%96%B9%E5%BC%8F%E7%9A%84%E9%A3%8E%E9%99%A9&user_favorite%5Burl%5D=http%3A%2F%2Fwww.iteye.com%2Ftopic%2F1122740%3Fpage%3D2%232341342)  点进来之前就猜到是lz了http://www.iteye.com/images/smiles/icon_smile.gif | | |
| [返回顶楼](http://www.iteye.com/topic/1122740?page=2) | | | | [回帖地址](http://www.iteye.com/topic/1122740?page=2#2341342)  [0](http://www.iteye.com/topic/1122740?page=2) [0](http://www.iteye.com/topic/1122740?page=2) 已投票 | | |
|  | | | | | | |
| * **jinnianshilongnian** * 等级: 五钻会员 * [jinnianshilongnian的博客](http://jinnianshilongnian.iteye.com/) * 性别: http://www.iteye.com/images/icon_minigender_1.gif * 文章: 1112 * 积分: 2280 * http://www.iteye.com/images/status/offline.gif | | | | 发表时间：2012-04-16  [收藏](http://www.iteye.com/admin/link?user_favorite%5Btitle%5D=jinnianshilongnian%E5%9B%9E%E5%B8%96%3ASpring%E4%BA%8B%E5%8A%A1%E5%A4%84%E7%90%86%E6%97%B6%E8%87%AA%E6%88%91%E8%B0%83%E7%94%A8%E7%9A%84%E8%A7%A3%E5%86%B3%E6%96%B9%E6%A1%88%E5%8F%8A%E4%B8%80%E4%BA%9B%E5%AE%9E%E7%8E%B0%E6%96%B9%E5%BC%8F%E7%9A%84%E9%A3%8E%E9%99%A9&user_favorite%5Burl%5D=http%3A%2F%2Fwww.iteye.com%2Ftopic%2F1122740%3Fpage%3D2%232341343)  **xh176233756 写道**  点进来之前就猜到是lz了http://www.iteye.com/images/smiles/icon_smile.gif  http://www.iteye.com/images/smiles/icon_wink.gif | | |
| [返回顶楼](http://www.iteye.com/topic/1122740?page=2) | | | | [回帖地址](http://www.iteye.com/topic/1122740?page=2#2341343)  [0](http://www.iteye.com/topic/1122740?page=2) [0](http://www.iteye.com/topic/1122740?page=2) 已投票 | | |
| **锁定老帖子**[**主题：Spring事务处理时自我调用的解决方案及一些实现方式的风险**](http://www.iteye.com/topic/1122740)  **该帖已经被评为精华帖** | | | | | | | | |
| **作者** | | | **正文** | | | | | |
| * **star022** * 等级: 初级会员 * [star022的博客](http://star022.iteye.com/) * 性别: http://www.iteye.com/images/icon_minigender_1.gif * 文章: 166 * 积分: 0 * 来自: hz * http://www.iteye.com/images/status/offline.gif | | | 发表时间：2012-04-17  [收藏](http://www.iteye.com/admin/link?user_favorite%5Btitle%5D=star022%E5%9B%9E%E5%B8%96%3ASpring%E4%BA%8B%E5%8A%A1%E5%A4%84%E7%90%86%E6%97%B6%E8%87%AA%E6%88%91%E8%B0%83%E7%94%A8%E7%9A%84%E8%A7%A3%E5%86%B3%E6%96%B9%E6%A1%88%E5%8F%8A%E4%B8%80%E4%BA%9B%E5%AE%9E%E7%8E%B0%E6%96%B9%E5%BC%8F%E7%9A%84%E9%A3%8E%E9%99%A9&user_favorite%5Burl%5D=http%3A%2F%2Fwww.iteye.com%2Ftopic%2F1122740%3Fpage%3D3%232341737)  想办法解开循环调用”连锁“即可~~~ | | | | | |
| [返回顶楼](http://www.iteye.com/topic/1122740?page=3) | | | [回帖地址](http://www.iteye.com/topic/1122740?page=3#2341737)  [0](http://www.iteye.com/topic/1122740?page=3) [0](http://www.iteye.com/topic/1122740?page=3) 已投票 | | | | | |
|  | | | | | | | | |
| * **jinnianshilongnian** * 等级: 五钻会员 * [jinnianshilongnian的博客](http://jinnianshilongnian.iteye.com/) * 性别: http://www.iteye.com/images/icon_minigender_1.gif * 文章: 1112 * 积分: 2280 * http://www.iteye.com/images/status/offline.gif | | | 发表时间：2012-04-17  [收藏](http://www.iteye.com/admin/link?user_favorite%5Btitle%5D=jinnianshilongnian%E5%9B%9E%E5%B8%96%3ASpring%E4%BA%8B%E5%8A%A1%E5%A4%84%E7%90%86%E6%97%B6%E8%87%AA%E6%88%91%E8%B0%83%E7%94%A8%E7%9A%84%E8%A7%A3%E5%86%B3%E6%96%B9%E6%A1%88%E5%8F%8A%E4%B8%80%E4%BA%9B%E5%AE%9E%E7%8E%B0%E6%96%B9%E5%BC%8F%E7%9A%84%E9%A3%8E%E9%99%A9&user_favorite%5Burl%5D=http%3A%2F%2Fwww.iteye.com%2Ftopic%2F1122740%3Fpage%3D3%232341752)  **star022 写道**  想办法解开循环调用”连锁“即可~~~  对 避免循环依赖 这是必须的  不过这篇帖子就是就事论事。 | | | | | |
| [返回顶楼](http://www.iteye.com/topic/1122740?page=3) | | | [回帖地址](http://www.iteye.com/topic/1122740?page=3#2341752)  [0](http://www.iteye.com/topic/1122740?page=3) [0](http://www.iteye.com/topic/1122740?page=3) 已投票 | | | | | |
|  | | | | | | | | |
| * **baoxin.zhangbx** * 等级: 初级会员 * [baoxin.zhangbx的博客](http://baoxin-zhangbx.iteye.com/) * 性别: http://www.iteye.com/images/icon_minigender_1.gif * 文章: 12 * 积分: 40 * 来自: 杭州 * http://www.iteye.com/images/status/offline.gif | | | 发表时间：2012-04-17  [收藏](http://www.iteye.com/admin/link?user_favorite%5Btitle%5D=baoxin.zhangbx%E5%9B%9E%E5%B8%96%3ASpring%E4%BA%8B%E5%8A%A1%E5%A4%84%E7%90%86%E6%97%B6%E8%87%AA%E6%88%91%E8%B0%83%E7%94%A8%E7%9A%84%E8%A7%A3%E5%86%B3%E6%96%B9%E6%A1%88%E5%8F%8A%E4%B8%80%E4%BA%9B%E5%AE%9E%E7%8E%B0%E6%96%B9%E5%BC%8F%E7%9A%84%E9%A3%8E%E9%99%A9&user_favorite%5Burl%5D=http%3A%2F%2Fwww.iteye.com%2Ftopic%2F1122740%3Fpage%3D3%232341798)  这个首先是加载顺序问题，a初始化的时候，初始化b,b初始化的时候初始化a发现a是循环引用，然后初始化a的时候会特殊处理。 | | | | | |
| [返回顶楼](http://www.iteye.com/topic/1122740?page=3) | | | [回帖地址](http://www.iteye.com/topic/1122740?page=3#2341798)  [0](http://www.iteye.com/topic/1122740?page=3) [0](http://www.iteye.com/topic/1122740?page=3) 已投票 | | | | | |
|  | | | | | | | | |
| * **jinnianshilongnian** * 等级: 五钻会员 * [jinnianshilongnian的博客](http://jinnianshilongnian.iteye.com/) * 性别: http://www.iteye.com/images/icon_minigender_1.gif * 文章: 1112 * 积分: 2280 * http://www.iteye.com/images/status/offline.gif | | | 发表时间：2012-04-17  [收藏](http://www.iteye.com/admin/link?user_favorite%5Btitle%5D=jinnianshilongnian%E5%9B%9E%E5%B8%96%3ASpring%E4%BA%8B%E5%8A%A1%E5%A4%84%E7%90%86%E6%97%B6%E8%87%AA%E6%88%91%E8%B0%83%E7%94%A8%E7%9A%84%E8%A7%A3%E5%86%B3%E6%96%B9%E6%A1%88%E5%8F%8A%E4%B8%80%E4%BA%9B%E5%AE%9E%E7%8E%B0%E6%96%B9%E5%BC%8F%E7%9A%84%E9%A3%8E%E9%99%A9&user_favorite%5Burl%5D=http%3A%2F%2Fwww.iteye.com%2Ftopic%2F1122740%3Fpage%3D3%232341827)  **baoxin.zhangbx 写道**  这个首先是加载顺序问题，a初始化的时候，初始化b,b初始化的时候初始化a发现a是循环引用，然后初始化a的时候会特殊处理。  是的 early reference的问题 | | | | | |
| [返回顶楼](http://www.iteye.com/topic/1122740?page=3) | | | [回帖地址](http://www.iteye.com/topic/1122740?page=3#2341827)  [0](http://www.iteye.com/topic/1122740?page=3) [0](http://www.iteye.com/topic/1122740?page=3) 已投票 | | | | | |
|  | | | | | | | | |
| * **xlongbuilder** * 等级: 一星会员 * [xlongbuilder的博客](http://xlongbuilder.iteye.com/) * 性别: http://www.iteye.com/images/icon_minigender_1.gif * 文章: 147 * 积分: 100 * 来自: 上海->杭州 * http://www.iteye.com/images/status/offline.gif | | | 发表时间：2012-04-18  [收藏](http://www.iteye.com/admin/link?user_favorite%5Btitle%5D=xlongbuilder%E5%9B%9E%E5%B8%96%3ASpring%E4%BA%8B%E5%8A%A1%E5%A4%84%E7%90%86%E6%97%B6%E8%87%AA%E6%88%91%E8%B0%83%E7%94%A8%E7%9A%84%E8%A7%A3%E5%86%B3%E6%96%B9%E6%A1%88%E5%8F%8A%E4%B8%80%E4%BA%9B%E5%AE%9E%E7%8E%B0%E6%96%B9%E5%BC%8F%E7%9A%84%E9%A3%8E%E9%99%A9&user_favorite%5Burl%5D=http%3A%2F%2Fwww.iteye.com%2Ftopic%2F1122740%3Fpage%3D3%232341950)  **http://dl.iteye.com/upload/attachment/0066/6253/ff7eef80-207b-31ed-8fa8-08990fec1e82.jpgjinnianshilongnian 写道**  问一下这个是什么工具的截图？ | | | | | |
| [返回顶楼](http://www.iteye.com/topic/1122740?page=3) | | | [回帖地址](http://www.iteye.com/topic/1122740?page=3#2341950)  [0](http://www.iteye.com/topic/1122740?page=3) [0](http://www.iteye.com/topic/1122740?page=3) 已投票 | | | | | |
|  | | | | | | | | |
| * **rentianchou** * 等级: 初级会员 * [rentianchou的博客](http://rentianchou.iteye.com/) * 性别: http://www.iteye.com/images/icon_minigender_1.gif * 文章: 113 * 积分: 0 * 来自: 北京 * http://www.iteye.com/images/status/offline.gif | | | 发表时间：2012-04-18  [收藏](http://www.iteye.com/admin/link?user_favorite%5Btitle%5D=rentianchou%E5%9B%9E%E5%B8%96%3ASpring%E4%BA%8B%E5%8A%A1%E5%A4%84%E7%90%86%E6%97%B6%E8%87%AA%E6%88%91%E8%B0%83%E7%94%A8%E7%9A%84%E8%A7%A3%E5%86%B3%E6%96%B9%E6%A1%88%E5%8F%8A%E4%B8%80%E4%BA%9B%E5%AE%9E%E7%8E%B0%E6%96%B9%E5%BC%8F%E7%9A%84%E9%A3%8E%E9%99%A9&user_favorite%5Burl%5D=http%3A%2F%2Fwww.iteye.com%2Ftopic%2F1122740%3Fpage%3D3%232341951)  楼主的图是什么工具画的？http://www.iteye.com/images/smiles/icon_biggrin.gif | | | | | |
| [返回顶楼](http://www.iteye.com/topic/1122740?page=3) | | | [回帖地址](http://www.iteye.com/topic/1122740?page=3#2341951)  [0](http://www.iteye.com/topic/1122740?page=3) [0](http://www.iteye.com/topic/1122740?page=3) 已投票 | | | | | |
|  | | | | | | | | |
| * **jinnianshilongnian** * 等级: 五钻会员 * [jinnianshilongnian的博客](http://jinnianshilongnian.iteye.com/) * 性别: http://www.iteye.com/images/icon_minigender_1.gif * 文章: 1112 * 积分: 2280 * http://www.iteye.com/images/status/offline.gif | | | 发表时间：2012-04-18  [收藏](http://www.iteye.com/admin/link?user_favorite%5Btitle%5D=jinnianshilongnian%E5%9B%9E%E5%B8%96%3ASpring%E4%BA%8B%E5%8A%A1%E5%A4%84%E7%90%86%E6%97%B6%E8%87%AA%E6%88%91%E8%B0%83%E7%94%A8%E7%9A%84%E8%A7%A3%E5%86%B3%E6%96%B9%E6%A1%88%E5%8F%8A%E4%B8%80%E4%BA%9B%E5%AE%9E%E7%8E%B0%E6%96%B9%E5%BC%8F%E7%9A%84%E9%A3%8E%E9%99%A9&user_favorite%5Burl%5D=http%3A%2F%2Fwww.iteye.com%2Ftopic%2F1122740%3Fpage%3D3%232341975)  **xlongbuilder 写道**  **http://dl.iteye.com/upload/attachment/0066/6253/ff7eef80-207b-31ed-8fa8-08990fec1e82.jpgjinnianshilongnian 写道**  问一下这个是什么工具的截图？    PrtSc （PrintScreen 按键 拷贝到 画图工具 效果有点差） | | | | | |
| [返回顶楼](http://www.iteye.com/topic/1122740?page=3) | | | [回帖地址](http://www.iteye.com/topic/1122740?page=3#2341975)  [0](http://www.iteye.com/topic/1122740?page=3) [0](http://www.iteye.com/topic/1122740?page=3) 已投票 | | | | | |
|  | | | | | | | | |
| * **jinnianshilongnian** * 等级: 五钻会员 * [jinnianshilongnian的博客](http://jinnianshilongnian.iteye.com/) * 性别: http://www.iteye.com/images/icon_minigender_1.gif * 文章: 1112 * 积分: 2280 * http://www.iteye.com/images/status/offline.gif | | | 发表时间：2012-04-18  [收藏](http://www.iteye.com/admin/link?user_favorite%5Btitle%5D=jinnianshilongnian%E5%9B%9E%E5%B8%96%3ASpring%E4%BA%8B%E5%8A%A1%E5%A4%84%E7%90%86%E6%97%B6%E8%87%AA%E6%88%91%E8%B0%83%E7%94%A8%E7%9A%84%E8%A7%A3%E5%86%B3%E6%96%B9%E6%A1%88%E5%8F%8A%E4%B8%80%E4%BA%9B%E5%AE%9E%E7%8E%B0%E6%96%B9%E5%BC%8F%E7%9A%84%E9%A3%8E%E9%99%A9&user_favorite%5Burl%5D=http%3A%2F%2Fwww.iteye.com%2Ftopic%2F1122740%3Fpage%3D3%232341976)  **rentianchou 写道**  楼主的图是什么工具画的？http://www.iteye.com/images/smiles/icon_biggrin.gif  Visio啊 而且还是2003http://www.iteye.com/images/smiles/icon_redface.gif | | | | | |
| [返回顶楼](http://www.iteye.com/topic/1122740?page=3) | | | [回帖地址](http://www.iteye.com/topic/1122740?page=3#2341976)  [0](http://www.iteye.com/topic/1122740?page=3) [0](http://www.iteye.com/topic/1122740?page=3) 已投票 | | | | | |
|  | | | | | | | | |
| * **xlongbuilder** * 等级: 一星会员 * [xlongbuilder的博客](http://xlongbuilder.iteye.com/) * 性别: http://www.iteye.com/images/icon_minigender_1.gif * 文章: 147 * 积分: 100 * 来自: 上海->杭州 * http://www.iteye.com/images/status/offline.gif | | | 发表时间：2012-04-18  [收藏](http://www.iteye.com/admin/link?user_favorite%5Btitle%5D=xlongbuilder%E5%9B%9E%E5%B8%96%3ASpring%E4%BA%8B%E5%8A%A1%E5%A4%84%E7%90%86%E6%97%B6%E8%87%AA%E6%88%91%E8%B0%83%E7%94%A8%E7%9A%84%E8%A7%A3%E5%86%B3%E6%96%B9%E6%A1%88%E5%8F%8A%E4%B8%80%E4%BA%9B%E5%AE%9E%E7%8E%B0%E6%96%B9%E5%BC%8F%E7%9A%84%E9%A3%8E%E9%99%A9&user_favorite%5Burl%5D=http%3A%2F%2Fwww.iteye.com%2Ftopic%2F1122740%3Fpage%3D3%232341979)  **jinnianshilongnian 写道**  **xlongbuilder 写道**  **http://dl.iteye.com/upload/attachment/0066/6253/ff7eef80-207b-31ed-8fa8-08990fec1e82.jpgjinnianshilongnian 写道**  问一下这个是什么工具的截图？    PrtSc （PrintScreen 按键 拷贝到 画图工具 效果有点差）  哦 你理解错我的意思了，我是问的这个图是什么工具上面的而不是图片如何截的，应该不是eclipse，我在找可以方便查看系统代码调用和流转情况的工具。 | | | | | |
| [返回顶楼](http://www.iteye.com/topic/1122740?page=3) | | | [回帖地址](http://www.iteye.com/topic/1122740?page=3#2341979)  [0](http://www.iteye.com/topic/1122740?page=3) [0](http://www.iteye.com/topic/1122740?page=3) 已投票 | | | | | |
|  | | | | | | | | |
| * **jinnianshilongnian** * 等级: 五钻会员 * [jinnianshilongnian的博客](http://jinnianshilongnian.iteye.com/) * 性别: http://www.iteye.com/images/icon_minigender_1.gif * 文章: 1112 * 积分: 2280 * http://www.iteye.com/images/status/offline.gif | | | 发表时间：2012-04-18  [收藏](http://www.iteye.com/admin/link?user_favorite%5Btitle%5D=jinnianshilongnian%E5%9B%9E%E5%B8%96%3ASpring%E4%BA%8B%E5%8A%A1%E5%A4%84%E7%90%86%E6%97%B6%E8%87%AA%E6%88%91%E8%B0%83%E7%94%A8%E7%9A%84%E8%A7%A3%E5%86%B3%E6%96%B9%E6%A1%88%E5%8F%8A%E4%B8%80%E4%BA%9B%E5%AE%9E%E7%8E%B0%E6%96%B9%E5%BC%8F%E7%9A%84%E9%A3%8E%E9%99%A9&user_favorite%5Burl%5D=http%3A%2F%2Fwww.iteye.com%2Ftopic%2F1122740%3Fpage%3D3%232342014)  **xlongbuilder 写道**  **jinnianshilongnian 写道**  **xlongbuilder 写道**  **http://dl.iteye.com/upload/attachment/0066/6253/ff7eef80-207b-31ed-8fa8-08990fec1e82.jpgjinnianshilongnian 写道**  问一下这个是什么工具的截图？    PrtSc （PrintScreen 按键 拷贝到 画图工具 效果有点差）  哦 你理解错我的意思了，我是问的这个图是什么工具上面的而不是图片如何截的，应该不是eclipse，我在找可以方便查看系统代码调用和流转情况的工具。  IntelliJ IDEA sorry | | | | | |
| [返回顶楼](http://www.iteye.com/topic/1122740?page=3) | | | [回帖地址](http://www.iteye.com/topic/1122740?page=3#2342014)  [0](http://www.iteye.com/topic/1122740?page=3) [0](http://www.iteye.com/topic/1122740?page=3) 已投票 | | | | | |
|  | | |  | | | | | |
| **锁定老帖子**[**主题：Spring事务处理时自我调用的解决方案及一些实现方式的风险**](http://www.iteye.com/topic/1122740)  **该帖已经被评为精华帖** | | | | | |
| **作者** | | **正文** | | | |
| * **grzrt** * 等级: 初级会员 * [grzrt的博客](http://grzrt.iteye.com/) * 性别: http://www.iteye.com/images/icon_minigender_1.gif * 文章: 13 * 积分: 30 * 来自: 北京 * http://www.iteye.com/images/status/offline.gif | | 发表时间：2012-04-20  [收藏](http://www.iteye.com/admin/link?user_favorite%5Btitle%5D=grzrt%E5%9B%9E%E5%B8%96%3ASpring%E4%BA%8B%E5%8A%A1%E5%A4%84%E7%90%86%E6%97%B6%E8%87%AA%E6%88%91%E8%B0%83%E7%94%A8%E7%9A%84%E8%A7%A3%E5%86%B3%E6%96%B9%E6%A1%88%E5%8F%8A%E4%B8%80%E4%BA%9B%E5%AE%9E%E7%8E%B0%E6%96%B9%E5%BC%8F%E7%9A%84%E9%A3%8E%E9%99%A9&user_favorite%5Burl%5D=http%3A%2F%2Fwww.iteye.com%2Ftopic%2F1122740%3Fpage%3D4%232343355)  楼主很强大啊，支持原创 | | | |
| [返回顶楼](http://www.iteye.com/topic/1122740?page=4) | | [回帖地址](http://www.iteye.com/topic/1122740?page=4#2343355)  [0](http://www.iteye.com/topic/1122740?page=4) [0](http://www.iteye.com/topic/1122740?page=4) 已投票 | | | |
|  | | | | | |
| * **hui\_windows** * 等级: 初级会员 * [hui_windows的博客](http://hui-windows.iteye.com/) * 性别: http://www.iteye.com/images/icon_minigender_1.gif * 文章: 10 * 积分: 30 * 来自: 北京 * http://www.iteye.com/images/status/offline.gif | | 发表时间：2012-04-25  [收藏](http://www.iteye.com/admin/link?user_favorite%5Btitle%5D=hui_windows%E5%9B%9E%E5%B8%96%3ASpring%E4%BA%8B%E5%8A%A1%E5%A4%84%E7%90%86%E6%97%B6%E8%87%AA%E6%88%91%E8%B0%83%E7%94%A8%E7%9A%84%E8%A7%A3%E5%86%B3%E6%96%B9%E6%A1%88%E5%8F%8A%E4%B8%80%E4%BA%9B%E5%AE%9E%E7%8E%B0%E6%96%B9%E5%BC%8F%E7%9A%84%E9%A3%8E%E9%99%A9&user_favorite%5Burl%5D=http%3A%2F%2Fwww.iteye.com%2Ftopic%2F1122740%3Fpage%3D4%232345034)  讲的不错，LZ是spring控~ 呵呵 | | | |
| [返回顶楼](http://www.iteye.com/topic/1122740?page=4) | | [回帖地址](http://www.iteye.com/topic/1122740?page=4#2345034)  [0](http://www.iteye.com/topic/1122740?page=4) [0](http://www.iteye.com/topic/1122740?page=4) 已投票 | | | |
|  | | | | | |
| * **jinnianshilongnian** * 等级: 五钻会员 * [jinnianshilongnian的博客](http://jinnianshilongnian.iteye.com/) * 性别: http://www.iteye.com/images/icon_minigender_1.gif * 文章: 1112 * 积分: 2280 * http://www.iteye.com/images/status/offline.gif | | 发表时间：2012-04-25  [收藏](http://www.iteye.com/admin/link?user_favorite%5Btitle%5D=jinnianshilongnian%E5%9B%9E%E5%B8%96%3ASpring%E4%BA%8B%E5%8A%A1%E5%A4%84%E7%90%86%E6%97%B6%E8%87%AA%E6%88%91%E8%B0%83%E7%94%A8%E7%9A%84%E8%A7%A3%E5%86%B3%E6%96%B9%E6%A1%88%E5%8F%8A%E4%B8%80%E4%BA%9B%E5%AE%9E%E7%8E%B0%E6%96%B9%E5%BC%8F%E7%9A%84%E9%A3%8E%E9%99%A9&user_favorite%5Burl%5D=http%3A%2F%2Fwww.iteye.com%2Ftopic%2F1122740%3Fpage%3D4%232345101)  **hui\_windows 写道**  讲的不错，LZ是spring控~ 呵呵  http://www.iteye.com/images/smiles/icon_biggrin.gif | | | |
| [返回顶楼](http://www.iteye.com/topic/1122740?page=4) | | [回帖地址](http://www.iteye.com/topic/1122740?page=4#2345101)  [0](http://www.iteye.com/topic/1122740?page=4) [0](http://www.iteye.com/topic/1122740?page=4) 已投票 | | | |
|  | | | | | |
| * **在世界的中心呼喚愛** * 等级: 初级会员 * [在世界的中心呼喚愛的博客](http://chrisyujie.iteye.com/) * 性别: http://www.iteye.com/images/icon_minigender_1.gif * 文章: 230 * 积分: 30 * 来自: 厦门 * http://www.iteye.com/images/status/offline.gif | | 发表时间：2012-05-09  [收藏](http://www.iteye.com/admin/link?user_favorite%5Btitle%5D=%E5%9C%A8%E4%B8%96%E7%95%8C%E7%9A%84%E4%B8%AD%E5%BF%83%E5%91%BC%E5%96%9A%E6%84%9B%E5%9B%9E%E5%B8%96%3ASpring%E4%BA%8B%E5%8A%A1%E5%A4%84%E7%90%86%E6%97%B6%E8%87%AA%E6%88%91%E8%B0%83%E7%94%A8%E7%9A%84%E8%A7%A3%E5%86%B3%E6%96%B9%E6%A1%88%E5%8F%8A%E4%B8%80%E4%BA%9B%E5%AE%9E%E7%8E%B0%E6%96%B9%E5%BC%8F%E7%9A%84%E9%A3%8E%E9%99%A9&user_favorite%5Burl%5D=http%3A%2F%2Fwww.iteye.com%2Ftopic%2F1122740%3Fpage%3D4%232350811)  收藏lz好多spring文章，等着双休看 | | | |
| [返回顶楼](http://www.iteye.com/topic/1122740?page=4) | | [回帖地址](http://www.iteye.com/topic/1122740?page=4#2350811)  [0](http://www.iteye.com/topic/1122740?page=4) [0](http://www.iteye.com/topic/1122740?page=4) 已投票 | | | |
|  | | | | | |
| * **liuyaxuan1234** * 等级: 初级会员 * [liuyaxuan1234的博客](http://liuyaxuan1234.iteye.com/) * 文章: 5 * 积分: 30 * http://www.iteye.com/images/status/offline.gif | | 发表时间：2012-05-09  [收藏](http://www.iteye.com/admin/link?user_favorite%5Btitle%5D=liuyaxuan1234%E5%9B%9E%E5%B8%96%3ASpring%E4%BA%8B%E5%8A%A1%E5%A4%84%E7%90%86%E6%97%B6%E8%87%AA%E6%88%91%E8%B0%83%E7%94%A8%E7%9A%84%E8%A7%A3%E5%86%B3%E6%96%B9%E6%A1%88%E5%8F%8A%E4%B8%80%E4%BA%9B%E5%AE%9E%E7%8E%B0%E6%96%B9%E5%BC%8F%E7%9A%84%E9%A3%8E%E9%99%A9&user_favorite%5Burl%5D=http%3A%2F%2Fwww.iteye.com%2Ftopic%2F1122740%3Fpage%3D4%232350865)  小张老师太强力了 = =菜鸟小胖表示神马都看不懂,纯支持了! | | | |
| [返回顶楼](http://www.iteye.com/topic/1122740?page=4) | | [回帖地址](http://www.iteye.com/topic/1122740?page=4#2350865)  [0](http://www.iteye.com/topic/1122740?page=4) [0](http://www.iteye.com/topic/1122740?page=4) 已投票 | | | |
|  | | | | | |
| * **whking2003** * 等级: 初级会员 * [whking2003的博客](http://whking2003.iteye.com/) * 性别: http://www.iteye.com/images/icon_minigender_1.gif * 文章: 101 * 积分: 30 * 来自: 上海 * http://www.iteye.com/images/status/offline.gif | | 发表时间：2012-05-15  [收藏](http://www.iteye.com/admin/link?user_favorite%5Btitle%5D=whking2003%E5%9B%9E%E5%B8%96%3ASpring%E4%BA%8B%E5%8A%A1%E5%A4%84%E7%90%86%E6%97%B6%E8%87%AA%E6%88%91%E8%B0%83%E7%94%A8%E7%9A%84%E8%A7%A3%E5%86%B3%E6%96%B9%E6%A1%88%E5%8F%8A%E4%B8%80%E4%BA%9B%E5%AE%9E%E7%8E%B0%E6%96%B9%E5%BC%8F%E7%9A%84%E9%A3%8E%E9%99%A9&user_favorite%5Burl%5D=http%3A%2F%2Fwww.iteye.com%2Ftopic%2F1122740%3Fpage%3D4%232352214)  JE看来还是没死。还是有点料的。 看了楼主最近的几个帖子，实践性很强，质量也比较高，代码引用充分而又不显得多余，算是恰到好处。但是时间间隔很近，感觉有点不像一个人完成的。 有可能跟楼主的工作有关系吧，不过我觉得，楼主即使是为了宣传自己的东西，能发出来这样的帖子，我们也应该欢迎。 鼓掌！！顶。 | | | |
| [返回顶楼](http://www.iteye.com/topic/1122740?page=4) | | [回帖地址](http://www.iteye.com/topic/1122740?page=4#2352214)  [0](http://www.iteye.com/topic/1122740?page=4) [0](http://www.iteye.com/topic/1122740?page=4) 已投票 | | | |
|  | | | | | |
| * **jinnianshilongnian** * 等级: 五钻会员 * [jinnianshilongnian的博客](http://jinnianshilongnian.iteye.com/) * 性别: http://www.iteye.com/images/icon_minigender_1.gif * 文章: 1112 * 积分: 2280 * http://www.iteye.com/images/status/offline.gif | | 发表时间：2012-05-16  [收藏](http://www.iteye.com/admin/link?user_favorite%5Btitle%5D=jinnianshilongnian%E5%9B%9E%E5%B8%96%3ASpring%E4%BA%8B%E5%8A%A1%E5%A4%84%E7%90%86%E6%97%B6%E8%87%AA%E6%88%91%E8%B0%83%E7%94%A8%E7%9A%84%E8%A7%A3%E5%86%B3%E6%96%B9%E6%A1%88%E5%8F%8A%E4%B8%80%E4%BA%9B%E5%AE%9E%E7%8E%B0%E6%96%B9%E5%BC%8F%E7%9A%84%E9%A3%8E%E9%99%A9&user_favorite%5Burl%5D=http%3A%2F%2Fwww.iteye.com%2Ftopic%2F1122740%3Fpage%3D4%232352223)  **whking2003 写道**  JE看来还是没死。还是有点料的。  看了楼主最近的几个帖子，实践性很强，质量也比较高，代码引用充分而又不显得多余，算是恰到好处。但是时间间隔很近，感觉有点不像一个人完成的。  有可能跟楼主的工作有关系吧，不过我觉得，楼主即使是为了宣传自己的东西，能发出来这样的帖子，我们也应该欢迎。  鼓掌！！顶。  是我一个人写的，都是晚上和周末花时间写的http://www.iteye.com/images/smiles/icon_biggrin.gif | | | |
| [返回顶楼](http://www.iteye.com/topic/1122740?page=4) | | [回帖地址](http://www.iteye.com/topic/1122740?page=4#2352223)  [0](http://www.iteye.com/topic/1122740?page=4) [0](http://www.iteye.com/topic/1122740?page=4) 已投票 | | | |
|  | | | | | |
| * **pudong** * 等级: 初级会员 * [pudong的博客](http://pudong.iteye.com/) * 性别: http://www.iteye.com/images/icon_minigender_1.gif * 文章: 23 * 积分: 0 * 来自: 北京 * http://www.iteye.com/images/status/offline.gif | | 发表时间：2012-10-18  [收藏](http://www.iteye.com/admin/link?user_favorite%5Btitle%5D=pudong%E5%9B%9E%E5%B8%96%3ASpring%E4%BA%8B%E5%8A%A1%E5%A4%84%E7%90%86%E6%97%B6%E8%87%AA%E6%88%91%E8%B0%83%E7%94%A8%E7%9A%84%E8%A7%A3%E5%86%B3%E6%96%B9%E6%A1%88%E5%8F%8A%E4%B8%80%E4%BA%9B%E5%AE%9E%E7%8E%B0%E6%96%B9%E5%BC%8F%E7%9A%84%E9%A3%8E%E9%99%A9&user_favorite%5Burl%5D=http%3A%2F%2Fwww.iteye.com%2Ftopic%2F1122740%3Fpage%3D4%232376509)  正好碰到这个问题，找了好久的资料，太好了，谢谢！！！！！ | | | |
| [返回顶楼](http://www.iteye.com/topic/1122740?page=4) | | [回帖地址](http://www.iteye.com/topic/1122740?page=4#2376509)  [0](http://www.iteye.com/topic/1122740?page=4) [0](http://www.iteye.com/topic/1122740?page=4) 已投票 | | | |
|  | | | | | |
| * **jinnianshilongnian** * 等级: 五钻会员 * [jinnianshilongnian的博客](http://jinnianshilongnian.iteye.com/) * 性别: http://www.iteye.com/images/icon_minigender_1.gif * 文章: 1112 * 积分: 2280 * http://www.iteye.com/images/status/offline.gif | | 发表时间：2012-10-18  [收藏](http://www.iteye.com/admin/link?user_favorite%5Btitle%5D=jinnianshilongnian%E5%9B%9E%E5%B8%96%3ASpring%E4%BA%8B%E5%8A%A1%E5%A4%84%E7%90%86%E6%97%B6%E8%87%AA%E6%88%91%E8%B0%83%E7%94%A8%E7%9A%84%E8%A7%A3%E5%86%B3%E6%96%B9%E6%A1%88%E5%8F%8A%E4%B8%80%E4%BA%9B%E5%AE%9E%E7%8E%B0%E6%96%B9%E5%BC%8F%E7%9A%84%E9%A3%8E%E9%99%A9&user_favorite%5Burl%5D=http%3A%2F%2Fwww.iteye.com%2Ftopic%2F1122740%3Fpage%3D4%232376524)  **pudong 写道**  正好碰到这个问题，找了好久的资料，太好了，谢谢！！！！！  http://www.iteye.com/images/smiles/icon_biggrin.gif | | | |
| [返回顶楼](http://www.iteye.com/topic/1122740?page=4) | | [回帖地址](http://www.iteye.com/topic/1122740?page=4#2376524)  [0](http://www.iteye.com/topic/1122740?page=4) [0](http://www.iteye.com/topic/1122740?page=4) 已投票 | | | |