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# Spring Neo4j: NoSuchBeanDefinitionException: No qualifying bean of type [org.springframework.data.neo4j.support.Neo4jTemplate] found for dependency



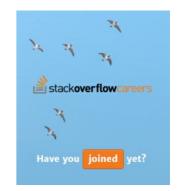
I'm having an issue running my Spring Neo4j controller which uses Neo4jTemplate and other custom Repositories. I looked up a few different questions related to this and they didn't resolve the problems - I'll mention some of what I tried later down the post.

I am using Spring Boot to run everything on the server.

The initial error I get trying to run my application is the following:

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09:07:22.115 [main] WARN o.s.b.c.e.AnnotationConfigEmbeddedWebApplicationContext org.springframework.beans.factory.BeanCreationException: Error creating bean with  $\hbox{at org.} spring framework. beans. factory. annotation. Autowired Annotation Bean Post Promote States and S$  $at \ org. spring framework. beans. factory. support. Abstract Autowire Capable Bean Factory. Support and the support of the$  $\hbox{at org.springframework.beans.factory.support.} Abstract Autowire Capable Bean Factor \\$ at org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactor  $at \ org. spring framework. beans. factory. support. Abstract Bean Factory \$1. get 0 bject (Abstract Bean Factory) \$1. get 0$ at org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getS  $at \ org. spring framework. beans. factory. support. Abstract Bean Factory. do Get Bean (Abstract Bean Factory) and the support of the supp$  $\verb|at org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.getBeanf$  $at \ org. spring framework. beans. factory. support. {\tt DefaultListableBeanFactory.preIns}$ at org.springframework.context.support.AbstractApplicationContext.finishBeanFa at org.springframework.context.support.AbstractApplicationContext.refresh(Abst at org.springframework.boot.context.embedded.EmbeddedWebApplicationContext.ref at org.springframework.boot.SpringApplication.refresh(SpringApplication.java:6 at org.springframework.boot.SpringApplication.run(SpringApplication.java:320) at org.springframework.boot.SpringApplication.run(SpringApplication.java:957) at org.springframework.boot.SpringApplication.run(SpringApplication.java:946) at com.ninjasquare.server.Application.main(Application.java:19) [NinjaSquare at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method) ~[na:1.7.0\_75] at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:5 at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImp at java.lang.reflect.Method.invoke(Method.java:606) ~[na:1.7.0\_75] at org.springframework.boot.loader.MainMethodRunner.run(MainMethodRunner.java: at java.lang.Thread.run(Thread.java:745) [na:1.7.0\_75] Caused by: org.springframework.beans.factory.BeanCreationException: Could not auto  $\verb|at org.spring| framework.beans.factory.annotation.Autowired Annotation Bean PostPro| \\$  $\hbox{at org.springframework.beans.factory.annotation.} Injection \verb+Metadata.inject(Injection \verb+Metadata.injection \verb$  $\hbox{at org.} spring framework. beans. factory. annotation. Autowired {\tt AnnotationBeanPostPropagation} and {\tt AutowiredAnnotationBeanPostPropagation}. \\$ .. 22 common frames omitted

```
Caused by: org.springframework.beans.factory.NoSuchBeanDefinitionException: No qua at org.springframework.beans.factory.support.DefaultListableBeanFactory.raiseN at org.springframework.beans.factory.support.DefaultListableBeanFactory.doReso at org.springframework.beans.factory.support.DefaultListableBeanFactory.resolv at org.springframework.beans.factory.annotation.AutowiredAnnotationBeanPostPro ... 24 common frames omitted

09:07:22.125 [main] INFO o.a.catalina.core.StandardService - Stopping service Tom
```

applicationContext.xml

```
<?xml version="1.0" encoding="UTF-8"?>
   <beans xmlns="http://www.springframework.org/schema/beans"</pre>
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xmlns:context="http://www.springframework.org/schema/context"
      xmlns:tx="http://www.springframework.org/schema/tx"
      xmlns:mvc="http://www.springframework.org/schema/mvc"
      xmlns:neo4j="http://www.springframework.org/schema/data/neo4j"
      xsi:schemaLocation="http://www.springframework.org/schema/beans http://www.
                         http://www.springframework.org/schema/context http://ww
                         http://www.springframework.org/schema/tx http://www.spr
                         http://www.springframework.org/schema/mvc http://www.sp
                         http://www.springframework.org/schema/data/neo4j http:/
   <context:annotation-config />
   <context:spring-configured />
   <context:component-scan base-package="com.ninjasquare.server" />
   <neo4j:repositories base-package="com.ninjasquare.server.repository"/>
   <mvc:annotation-driven/>
   <bean id="jspViewResolver" class="org.springframework.web.servlet.view.Interna</pre>
       roperty name="suffix" value=".jsp" />
   </hean>
   <tx:annotation-driven />
      -- Cypher query server... -->
   <bean id="serverWrapper" class="org.neo4j.server.WrappingNeoServerBootstrapper</pre>
           init-method="start" destroy-method="stop">
   <constructor-arg ref="graphDatabaseService" />
   <beans profile="default">
       <neo4j:config storeDirectory="target/neo4j-db"/>
```

Note that is the same import as in **import** com.ninjasquare.server.repository.ChatMessageRepository;

chatMessageController.java

- No qualifying bean of type [org.springframework.securi ty.config.annotation.web.bu ilders.HttpSecurity] found for dependency
- No qualifying bean ... spring-webmvc: bean defined in applicationContext is not visible in ServletContext
- NoSuchBeanDefinitionExce ption: No qualifying bean of type found for dependency
- 1 Spring Issues: Error creating beans and Injection of autowired dependencies failed

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- Proving that all integers are even or
- Seven overlapping circles
- How to show pagination "go to page" text box?
- Should you always minimize cognitive load
- Need to convert date format in apex
- My 4.5 yrs old son has no dominant hand
- ux Is "user-select: none" bad UX?
- Does adult neurogenesis occur only in the olfactory bulb and the
- What is aliasing and what causes it?
- Is it modest to compliment a woman on her modesty?
- nouble integral problem with sin
- Approximation of Borel sets by a countable collection of majorants
- How to ask dumb questions
- Make subscript size smaller (always)
- Lunch with the CEO
- An "outside the box" sequence
- Can a plane fly backward if its prop's in reverse?
- Did a Kamikaze ever impact the hull of a ship, as opposed to the deck?
- Select polygons one by one and export them using arcpy
- Why did Holly decide to simply wait out the radioactivity?
- ¿Puede "hopefully" traducirse como "ojalá"?
- What are the advantages and disadvantages of an oblique wing over a swing wing
- Why do we still use keys to start cars? why not passwords?

```
import java.util.ArrayList;
import java.util.List;
import org.neo4j.graphdb.Node;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.context.annotation.Lazy;
import org.springframework.data.neo4j.core.EntityPath;
import org.springframework.data.neo4j.support.Neo4jTemplate;
import org.springframework.stereotype.Controller;
import org.springframework.transaction.annotation.Transactional;
import org.springframework.web.bind.annotation.PathVariable;
import org.springframework.web.bind.annotation.RequestBody;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RequestMethod;
import org.springframework.web.bind.annotation.ResponseBody;
import com.ninjasquare.common.communication.model.exception.InvalidPackException;
import com.ninjasquare.common.communication.model.node.chatmessage.ChatMessagePack
import com.ninjasquare.common.util.Util;
import com.ninjasquare.server.model.neo4j.node.ChatMessage;
import com.ninjasquare.server.model.neo4j.node.ChatStream;
import com.ninjasquare.server.model.neo4j.node.Ninja;
import com.ninjasquare.server.repository.ChatMessageRepository;
import com.ninjasquare.server.repository.ChatStreamRepository;
import com.ninjasquare.server.subsystem.chat.GcmMessagingManager;
import\ com.ninjasquare.server.subsystem.chat. {\tt MessageCache};
import\ com.ninjasquare.server.subsystem.chat. Message Cache Manager;
import\ com.ninjasquare.server.subsystem.chat. Process Message Callback;
* Required functionality of this class:

* Create Message for a ChatSession (add) – Implemented
\ast Retrieve all Messages, greater than a particular time, for a particular ChatSes
* @author Dengke
```

package com.niniasquare.server.controller.node:

Now one of the things I tried was to add the @Lazy annotation to the repositories to test if everything else worked, and the application would run. However, when I call one of the API URLs I get the NoSuchBeanDefinitionException error on one of my custom Repository classes (error below):

```
08:54:35.684 [http-nio-8080-exec-1] INFO o.a.c.c.C.[Tomcat].[localhost].[/] - Ini 08:54:35.685 [http-nio-8080-exec-1] INFO o.s.web.servlet.DispatcherServlet - Fram 08:54:35.802 [http-nio-8080-exec-1] INFO o.s.web.servlet.DispatcherServlet - Fram
Deleting all Ninia.
08:54:35.889 [http-nio-8080-exec-1] ERROR o.a.c.c.C.[.[.[.[dispatcherServlet] - Se
org.springframework.beans.factory.NoSuchBeanDefinitionException: No qualifying bea
                 at org.springframework.beans.factory.support.DefaultListableBeanFactory.raiseN
                  at org.springframework.beans.factory.support.DefaultListableBeanFactory.doReso
                  at org.springframework.context.annotation.ContextAnnotationAutowireCandidateRe
                  at org.springframework.aop.framework.JdkDynamicAopProxy.invoke(JdkDynamicAopPr
                  at com.sun.proxy.$Proxy49.deleteAll(Unknown Source) ~[na:na]
                  at com.ninjasquare.server.controller.node.NinjaController.deleteAllNinja(Ninja
                  at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method) ~[na:1.7.0_75]
                  at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:5
                 at \verb| sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.invoke(DelegatingMethodAcces))                       
                  at java.lang.reflect.Method.invoke(Method.java:606) ~[na:1.7.0_75]
                  at org.springframework.web.method.support.InvocableHandlerMethod.doInvoke(Invo
                  at org.springframework.web.method.support.InvocableHandlerMethod.invokeForRequ
                  at org.springframework.web.servlet.mvc.method.annotation.ServletInvocableHandl
                  at org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandler
                  at org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandler
                  at \ org. spring framework. we b. servlet. mvc. method. Abstract Handler Method Adapter. han
                  at \ org. spring framework. web. servlet. Dispatcher Servlet. do Dispatch (Dispatcher Servlet. do Dispatcher 
                  at org.springframework.web.servlet.DispatcherServlet.doService(DispatcherServl
                  at \ org. spring framework. web. servlet. Framework Servlet. process Request (Framework Servlet. pro
                  at org.springframework.web.servlet.FrameworkServlet.doDelete(FrameworkServlet.
```

```
at javax.servlet.http.HttpServlet.service(HttpServlet.java:650) ~[tomcat-embed at org.springframework.web.servlet.FrameworkServlet.service(FrameworkServlet.j at javax.servlet.http.HttpServlet.service(HttpServlet.java:725) ~[tomcat-embed org.apache.catalina.core.ApplicationFilter(Chain.internalDoFilter(Application org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.gapache.catalina.core.ApplicationFilterChain.internalDoFilter(Application org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(Application org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.gapache.catalina.core.ApplicationFilterChain.doFilter.doFilterInternal(Hidd org.springframework.web.filter.UncePerRequestFilter.doFilter(OncePerRequest org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(Application).
```

NinjaRepository.java

```
package com.ninjasquare.server.repository;
import java.util.List;
import org.springframework.data.neo4j.annotation.Query;
import org.springframework.data.neo4j.repository.GraphRepository;
import org.springframework.stereotype.Repository;
import com.ninjasquare.server.model.neo4j.node.Ninja;
import com.ninjasquare.server.model.neo4j.node.Skill;
import\ com. ninjasquare. server. model. neo 4j. relationship. friend. FriendBlockedByRelation friend and fr
import com.ninjasquare.server.model.neo4j.relationship.friend.FriendBlockedRelations import com.ninjasquare.server.model.neo4j.relationship.friend.FriendDeletedByRelatic import com.ninjasquare.server.model.neo4j.relationship.friend.FriendDeletedRelations
import com.ninjasquare.server.model.neo4j.relationship.friend.FriendRelationship;
import\ com.ninjasquare.server.model.neo4j.relationship.friend.FriendRequestRelations
import\ com.ninjasquare.server.model.neo4j.relationship.skill. Has Skill Deleted Relationship.skill. Has S
import com.ninjasquare.server.model.neo4j.relationship.skill.HasSkillRelationship;
@Repository
public interface NinjaRepository extends GraphRepository<Ninja> {
                      // Other code ...
}
```

I think these issues may be related. Any help with this would be much appreciated.

#### Thanks!



0

Try to remove the profile / environment section and see if that works.

The template is made available by Neo4jConfiguration as part of <neo4j:config..../>



share improve this answer



Hi Michael, thanks for the suggestion. When you say remove the profile/environment section do you mean to remove <beans profile="default"> including removing the inside contents and <beans profile="prod"> including removing the inside contents as well? I tried this and I still get the error:

NoSuchBeanDefinitionException: No qualifying bean of type

[org.springframework.data.neo4j.support.Neo4jTemplate] found for dependency: expected at least 1 bean which qualifies as autowire candidate for this dependency. 

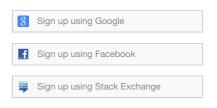
Dengke Sha | Apr 11 at 12:19

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#### Your Answer

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