Hibernate Sales Data

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Chapter 1

Introduction

Guide you through

Configuring your hibernate file. Configuring the spring configuration file. Populating the Data

1.1 Populating the Data

Data Populator Tests

The problem with creating a database schema and then populating.

The SchemaExport utility wants a Configuration which comes from a hibernate.cfg.xml file

 $Session Factory\ such\ as\ org.spring framework.orm. hibernate 3. Local Session Factory Bean\ are\ configure\ through\ an\ Spring\ application\ context$

When trying to use hibernate in memory database a Connection cannot be shared, when closed the database goes away

1.2 Problems

currently using etc/hibernate.cfg.xml and application-context.xml must be configured the same

1.3 Configuration Files

1.3.1 hibernate.cfg.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE hibernate-configuration PUBLIC</pre>
"-//Hibernate/Hibernate Configuration DTD 3.0//EN"
"http://hibernate.sourceforge.net/hibernate-configuration-3.0.dtd">
<hibernate-configuration>
   <session-factory>
       <property name="hibernate.connection.driver_class">oracle.jdbc.driver.OracleDriver
            Oracle type 4 URLS are of the form jdbc:oracle:thin@HHHHH:PPPP:SSSS
            where HHHHH is the host name or IP
                  PPPPP is the port probably 1521
                  SSSS is the service name or SID
<!--
       cproperty name="hibernate.connection.username">sales/property>
       cproperty name="hibernate.connection.password">areup/property>
       <property name="hibernate.dialect">org.hibernate.dialect.Oracle10gDialect/property>
-->
       <!-- needed for oracle or reverse engineering will try for all users -->
<!--
       cproperty name="hibernate.default_schema">SALES/property>
-->
<property name="hibernate.connection.driver_class">org.h2.Driver
```

1.3.2 Spring configuration

```
<?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:aop="http://www.springframework.org/schema/aop
xmlns:tx="http://www.springframework.org/schema/tx"
xsi:schemaLocation="http://www.springframework.org/schema/beans
           http://www.springframework.org/schema/beans/spring-beans-2.5.xsd
           http://www.springframework.org/schema/tx http://www.springframework.org/schema/tx/spring-tx-2.5
           http://www.springframework.org/schema/aop http://www.springframework.org/schema/aop/spring-aop-
<bean id="extractor" class="org.springframework.jdbc.support.nativejdbc.CommonsDbcpNativeJdbcExtractor" />
<!--
<bean id="datasource" class="org.apache.commons.dbcp.BasicDataSource"</pre>
destroy-method="close">
<property name="driverClassName" value="oracle.jdbc.driver.OracleDriver" />
cproperty name="url" value="jdbc:oracle:thin:@localhost:1521:DEV11F" />
cproperty name="username" value="sales" />
cproperty name="password" value="areup" />
cproperty name="initialSize" value="1" />
cproperty name="maxActive" value="10" />
</bean>
-->
<bean id="datasource" class="org.apache.commons.dbcp.BasicDataSource"</pre>
destroy-method="close">
cproperty name="driverClassName" value="org.h2.Driver" />
cproperty name="url" value="jdbc:h2:target/database/sales" />
cproperty name="username" value="sales" />
cproperty name="password" value="" />
<!-- runtime hibernate config properties set here -->
<bean id="sessionFactory"</pre>
class="org.springframework.orm.hibernate3.LocalSessionFactoryBean">
cproperty name="dataSource" ref="datasource" />
<!--
property name="mappingLocations" value="classpath*:/hbm/*.hbm.xml" /
-->
<property name="mappingLocations" value="classpath*:**/*.hbm.xml" />
property name="hibernateProperties">
<value>
hibernate.transaction.factory_class=org.hibernate.transaction.JDBCTransactionFactory
hibernate.current_session_context_class=thread
<!-- DB dialect -->
hibernate.dialect=org.hibernate.dialect.Oracle10gDialect
<!-- 2nd level cache -->
<!--
\verb|hibernate.cache.provider_class=org.hibernate.cache.jbc2.JBossCacheRegionFactory| \\
hibernate.cache.provider_class=org.hibernate.cache.TreeCacheProvider
-->
```

</beans>

hibernate.cache.provider_class=org.hibernate.cache.EhCacheProvider <!-- repeatable read isolation --> hibernate.connection.isolation=4 <!-- 2nd level cache debugging --> $\verb|hibernate.generate_statistics=true|\\$ hibernate.cache.use_structured_entries=true <!-- sql debugging --> hibernate.show_sql=false hibernate.format_sql=true <!-following causes sql to fail w/ derby DB --> hibernate.use_sql_comments=true </value> </property> </bean> <bean id="daoFactory" class="org.javautil.persist.hibernate.Persistence"> cproperty name="sessionFactory"> <ref bean="sessionFactory" /> </property> roperty name="extractor"> <ref bean="extractor" /> </property> </bean> <bean id="transactionManager"</pre> class="org.springframework.orm.hibernate3.HibernateTransactionManager"> cproperty name="sessionFactory" ref="sessionFactory" /> </bean>