

Setup Dev Environment - Part 2



Configuration for Spring + Hibernate

Step-By-Step

1. Define database dataSource / connection pool
2. Setup Hibernate session factory
3. Setup Hibernate transaction manager
4. Enable configuration of transactional annotations

Placement of Configurations

Add the following configurations in your Spring MVC configuration file

For our example
spring-mvc-crud-demo-servlet.xml

Step 1: Define database dataSource / connection pool

```
<bean id="myDataSource" class="com.mchange.v2.c3p0.ComboPooledDataSource"
    destroy-method="close">

    <property name="driverClass" value="com.mysql.jdbc.Driver" />
    <property name="jdbcUrl"
        value="jdbc:mysql://localhost:3306/web_customer_tracker?useSSL=false" />

    <property name="user" value="springstudent" />
    <property name="password" value="springstudent" />

    <!-- these are connection pool properties for C3P0 -->
    <property name="minPoolSize" value="5" />
    <property name="maxPoolSize" value="20" />
    <property name="idleTime" value="30000" />
</bean>
```

Step 2: Setup Hibernate session factory

```
<bean id="sessionFactory"
  class="org.springframework.orm.hibernate5.LocalSessionFactoryBean">

  <property name="dataSource" ref="myDataSource" />
  <property name="packagesToScan" value="com.luv2code.springdemo.entity" />

  <property name="hibernateProperties">
    <props>
      <prop key="hibernate.dialect">org.hibernate.dialect.MySQLDialect</prop>
      <prop key="hibernate.show_sql">true</prop>
    </props>
  </property>

</bean>
```

Step 3: Setup Hibernate transaction manager

```
<bean id="myTransactionManager"
      class="org.springframework.orm.hibernate5.HibernateTransactionManager">

    <property name="sessionFactory" ref="sessionFactory"/>

</bean>
```

Step 4: Enable configuration of transactional annotations

```
<tx:annotation-driven transaction-manager="myTransactionManager" />
```

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