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# Unit Test Hibernate – DAO Layer with JPA, Spring & HSQLDB

Posted on [October 5, 2015](#) by [Arulkumaran Kumaraswamipillai](#)

This post extends the previous one on “[Unit Test Hibernate – DAO Layer with Spring & HSQLDB](#)”. The changes are

1. Add “**persistence-jpa.xml**” to src/main/resources.
2. Modify the “**entityManagerFactory()**” method in the “SimpleConfig.java”.

## persistence-jpa.xml

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <persistence xmlns="http://java.sun.com/xml/ns/persistence"
3             xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
4             xsi:schemaLocation="http://java.sun.com/xml/ns/persistence
5                               http://java.sun.com/xml/ns/persistence/2.0.xsd"
6             version="2.0">
7   <persistence-unit name="mydb-persistence-unit">
```

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# entityManagerFactory() change

```

1 package com.mytutorial;
2
3 import javax.sql.DataSource;
4
5 import org.springframework.beans.factory.annotation.Autowired;
6 import org.springframework.context.annotation.Bean;
7 import org.springframework.context.annotation.Configuration;
8 import org.springframework.core.env.Environment;
9 import org.springframework.data.jpa.support.Classmate;
10 import org.springframework.jdbc.datasource.lookup.JndiDataSourceLookup;
11 import org.springframework.orm.jpa.LocalContainerEntityManagerFactoryBean;
12 import org.springframework.orm.jpa.persistenceunit.DefaultPersistenceUnitManager;
13 import org.springframework.orm.jpa.vendor.HibernateJpaVendorAdapter;
14
15 @Configuration
16 @ComponentScan("com.mytutorial")
17 public class SimpleConfig {
18
19     @Autowired
20     Environment environment;
21
22     @Bean
23     public DataSource dataSource() {
24         final JndiDataSourceLookup jndiLookup =
25             new JndiDataSourceLookup();
26         final String dataSourceJndi = environment.getProperty("dataSourceJndi");
27         return jndiLookup.getDataSource(dataSourceJndi);
28     }
29
30     @Bean
31     public LocalContainerEntityManagerFactoryBean entityManagerFactory() {
32         final LocalContainerEntityManagerFactoryBean entityManagerFactoryBean =
33             new LocalContainerEntityManagerFactoryBean();
34         entityManagerFactoryBean.setDataSource(dataSource());
35         entityManagerFactoryBean.setPackagesToScan(new String[] { "com.mytutorial" });
36         entityManagerFactoryBean.setPersistenceUnitName("mytutorial");
37         entityManagerFactoryBean.setPersistenceXmlLocation("META-INF/persistence.xml");
38
39         final HibernateJpaVendorAdapter hibernateJpaVendorAdapter =
40             new HibernateJpaVendorAdapter();
41         entityManagerFactoryBean.setJpaVendorAdapter(hibernateJpaVendorAdapter);
42         entityManagerFactoryBean.setPersistenceUnitPostProcessor(new DefaultPersistenceUnitManager());
43
44         return entityManagerFactoryBean;
45     }
46
47     @Bean
48     public PersistenceUnitPostProcessor[] persistenceUnitPostProcessors() {
49         return new PersistenceUnitPostProcessor[] { };
50     }
51 }
52

```

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Mechanical Eng to freelance Java developer in 3 yrs. Contracting since 2003, and attended 150+ Java job interviews, and often got 4 - 7 job offers to choose from. It pays to prepare. So, published Java



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#### About [Arulkumaran Kumaraswamipillai](#)

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