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🏠 8+ in

Create Hibernate SessionFactory example

👤 Posted by: Ilias Tsagklis   📁 in hibernate   🕐 November 11th, 2012   💬 0   👁 1758 Views

In this example we shall show you how to create a new

```
SessionFactory
```

example in Hibernate. To create a new

```
SessionFactory
```

example in Hibernate one should perform the following steps:

- Create a new

```
Configuration
```

, that allows the application to specify properties and mapping documents to be used when creating a

```
SessionFactory
```

. Usually an application will create a single

```
Configuration
```

, build a single instance of

```
SessionFactory
```

and then instantiate Sessions in threads servicing client requests.
- With

```
configure()
```

API method use the mappings and properties specified in an application resource named

```
hibernate.cfg.xml
```

. Then, with

```
buildSessionFactory()
```

instantiate a new

```
SessionFactory
```

, using the properties and mappings in this configuration. The

```
SessionFactory
```

will be immutable, so changes made to the Configuration after building the SessionFactory will not affect it.

In the code snippets that follow, you can see the

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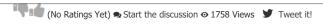
```
CreateHibernateSessionFactoryExample
```

Class that applies all above steps and the

```
hibernate.cfg.xml
```

file, that holds all configuration for Hibernate.

```
01  package com.javacodegeeks.snippets.enterprise;
02
03  import org.hibernate.SessionFactory;
04  import org.hibernate.cfg.Configuration;
05
06  public class CreateHibernateSessionFactoryExample {
07
08      @SuppressWarnings("unused")
09      private static SessionFactory sessionFactory;
10
11      public static void main(String[] args) throws Exception {
12
13          sessionFactory = new Configuration().configure().buildSessionFactory();
14
15      }
16
17  }
```

hibernate.cfg.xml

```
01  <?xml version='1.0' encoding='utf-8'?>
02
03  <!DOCTYPE hibernate-configuration PUBLIC
04
05      "-//Hibernate/Hibernate Configuration DTD 3.0//EN"
06
07      "http://hibernate.sourceforge.net/hibernate-configuration-3.0.dtd">
08
09
10  <hibernate-configuration>
11      <session-factory>
12
13      <!-- JDBC connection settings -->
14
15      <property name="connection.driver_class">com.mysql.jdbc.Driver</property>
16
17      <property name="connection.url">jdbc:mysql://localhost/companydb</property>
18
19      <property name="connection.username">jcg</property>
20
21      <property name="connection.password">jcg</property>
22
23
24
25      <!-- JDBC connection pool, use Hibernate internal connection pool -->
26
27      <property name="connection.pool_size">5</property>
28
29
30      <!-- Defines the SQL dialect used in Hiberante's application -->
31
32      <property name="dialect">org.hibernate.dialect.MySQLDialect</property>
33
34
35      <!-- Enable Hibernate's automatic session context management -->
36
37      <property name="current_session_context_class">thread</property>
38
39
40      <!-- Disable the second-level cache  -->
41
42      <property name="cache.provider_class">org.hibernate.cache.NoCacheProvider</property>
43
44
45      <!-- Display and format all executed SQL to stdout -->
46
47      <property name="show_sql">true</property>
48
49      <property name="format_sql">true</property>
50
51
52      <!-- Drop and re-create the database schema on startup -->
53
54      <property name="hbm2ddl.auto">update</property>
55
56
57      </session-factory>
58
59  </hibernate-configuration>
```

This was an example of how to create a new

```
SessionFactory
```

example in Hibernate.

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