

# How to generate Hibernate mapping files & annotation with Hibernate Tools

By [mkyong](#) | December 12, 2009 | Updated : April 22, 2011 | Viewed : 268,306 times

In this article, we show you how to use **Hibernate / JBoss Tools** to generate Hibernate mapping files (hbm) and annotation code from database automatically.

Tools in this article

1. Eclipse v3.6 (Helios)
2. JBoss / Hibernate Tools v3.2
3. Oracle 11g
4. JDK 1.6

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## Note

Before proceed, please [Install Hibernate / JBoss Tools in Eclipse IDE](#).

## 1. Hibernate Perspective

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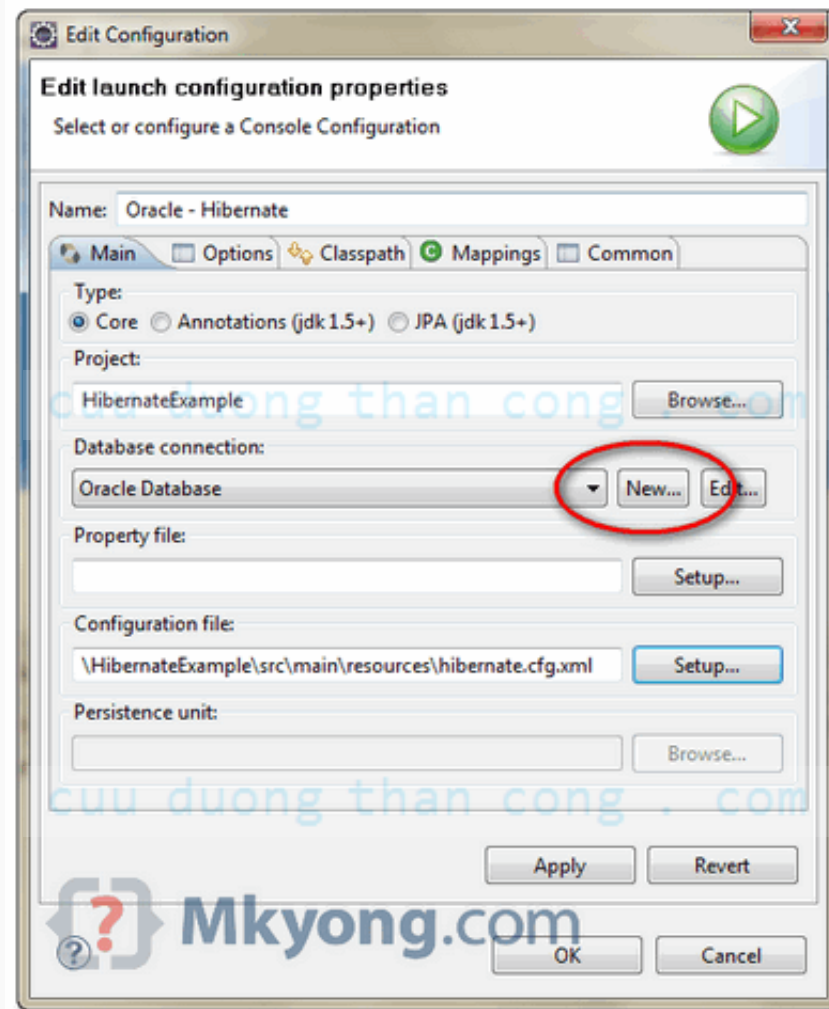
Open your “**Hibernate Perspective**”. In Eclipse IDE, select “**Windows**” >> “**Open Perspective**” >> “**Others...**”, choose “**Hibernate**”.

## 2. New Hibernate Configuration

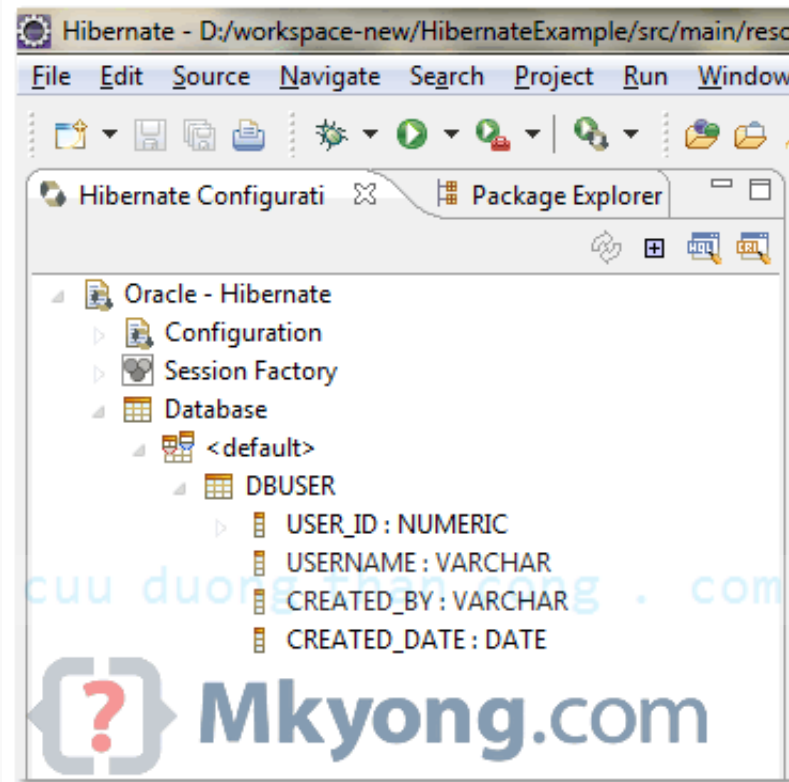
In Hibernate Perspective, right click and select “**Add Configuration...**”

In “Edit Configuration” dialog box,

1. In “**Project**” box, click on the “Browse..” button to select your project.
2. In “**Database Connection**” box, click “New..” button to create your database settings.
3. In “**Configuration File**” box, click “Setup” button to create a new or use existing “Hibernate configuration file”, `hibernate.cfg.xml`.



See your list of your tables in “**Hibernate Perspective**”.



Sample of “hibernate.cfg.xml”, connect to Oracle 11g database.

```
<?xml version="1.0" encoding="utf-8"?>
<!DOCTYPE hibernate-configuration PUBLIC
"-//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</property>
  <property name="hibernate.connection.url">jdbc:oracle:thin:@127.0.0.1:1521:MKYONG</property>
```

Markup

```
<property name="hibernate.connection.username">mkyong</property>
<property name="hibernate.connection.password">password</property>
<property name="hibernate.dialect">org.hibernate.dialect.Oracle10gDialect</property>
<property name="hibernate.default_schema">MKYONG</property>
</session-factory>
</hibernate-configuration>
```

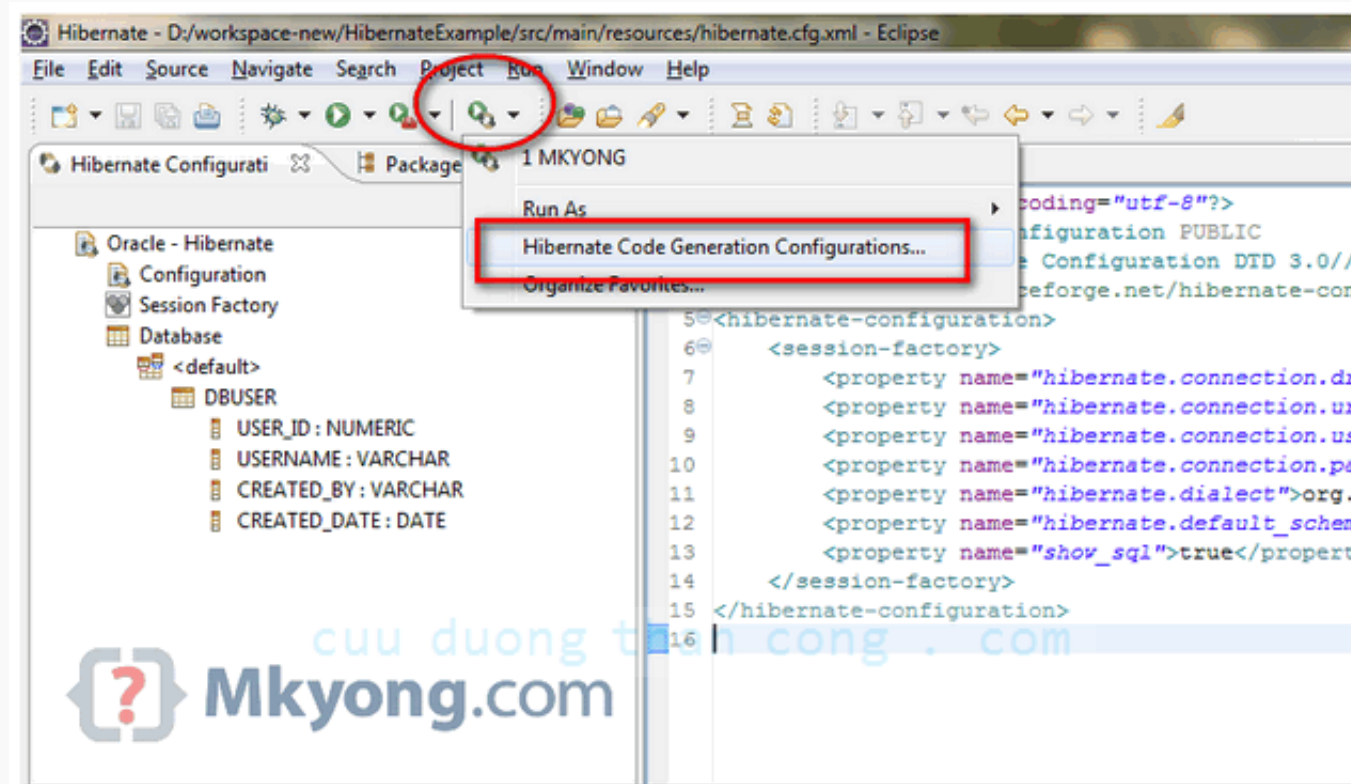
### 3. Hibernate Code Generation

Now, you are ready to generate the Hibernate mapping files and annotation codes.

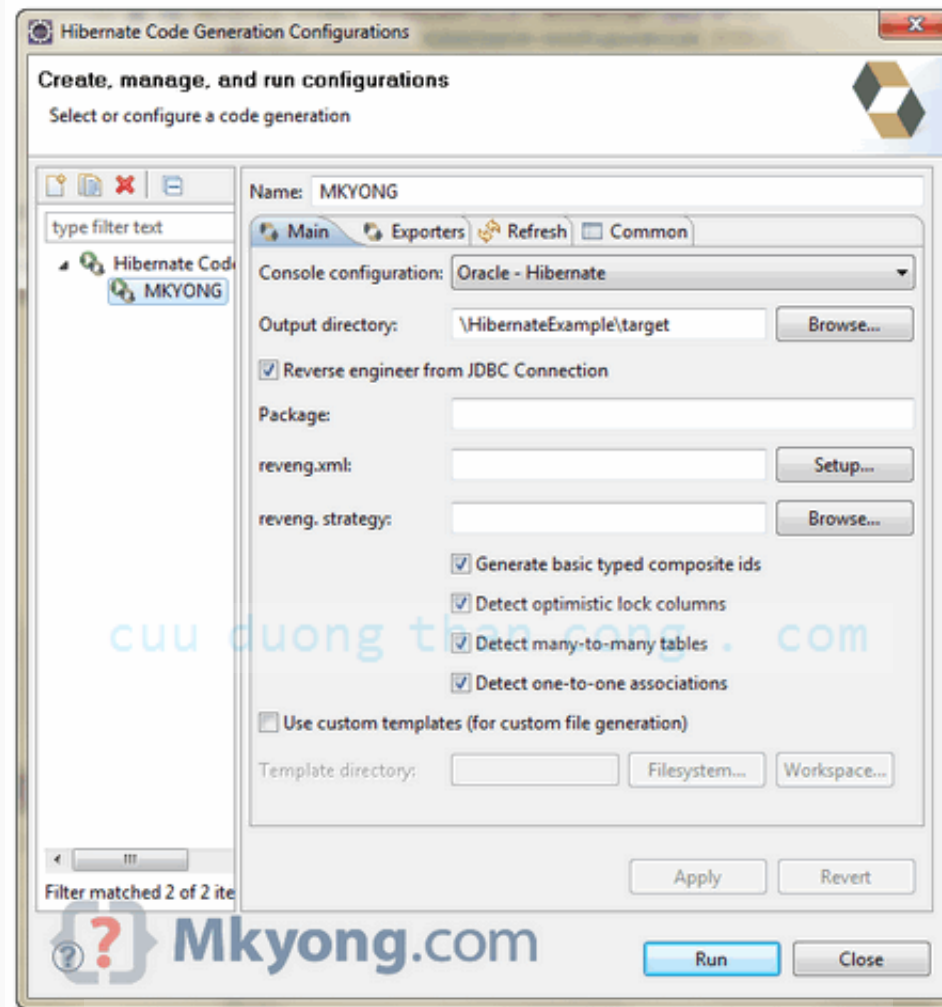
– In “Hibernate Perspective”, click “**Hibernate code generation**” icon (see below figure) and select “Hibernate Code Generation Configuration”

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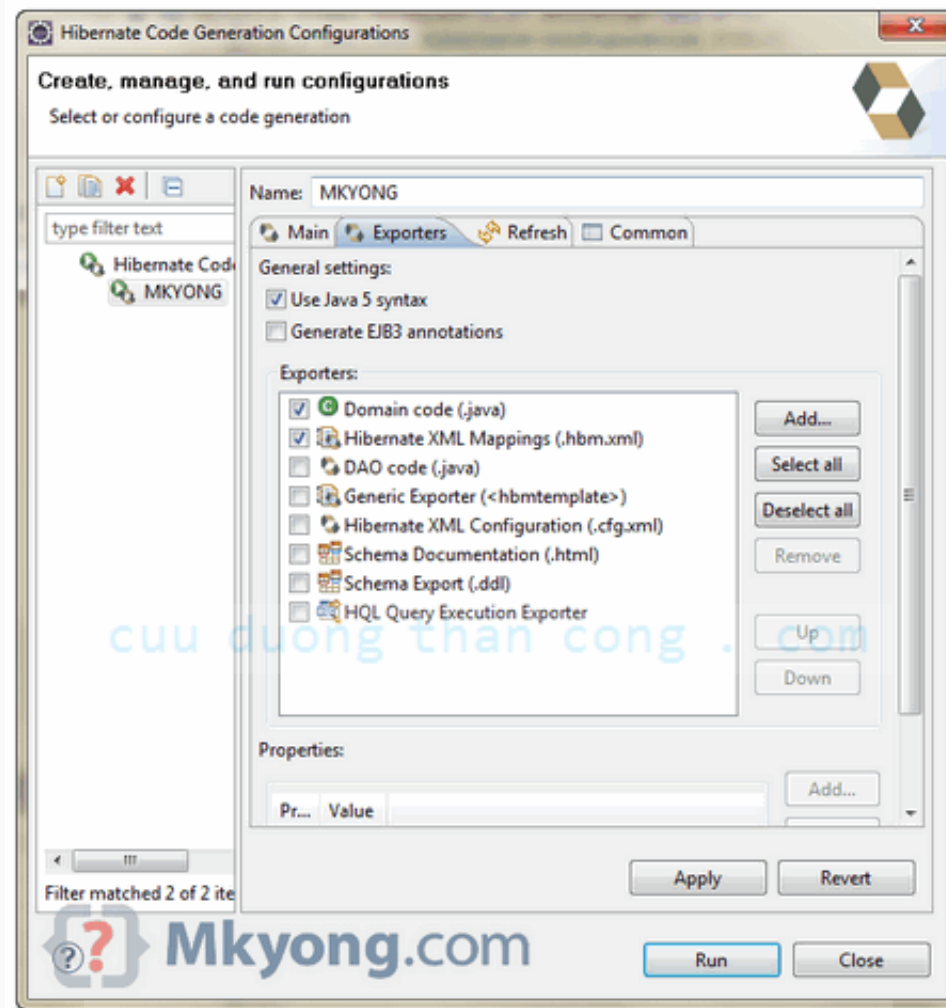
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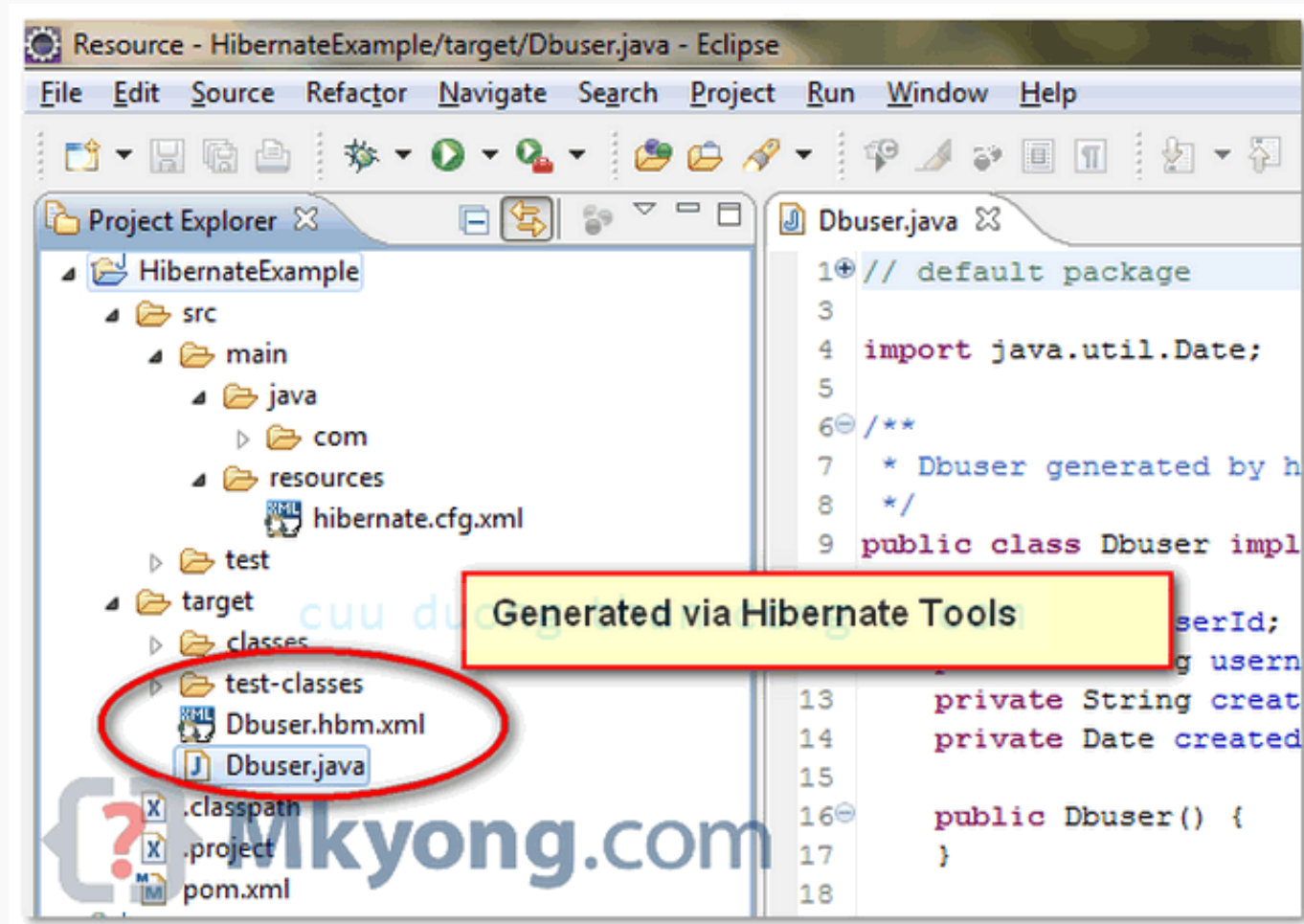
– Create a new configuration, select your “**console configuration**” (configured in step 2), put your “**Output directory**” and checked option “**Reverse engineer from JDBC Connection**”.



– In “**Exporter**” tab, select what you want to generate, Model , mapping file (hbm) , DAO, annotation code and etc.



See result



### Note

The generated Hibernate mapping file and annotations code are very clean, standard and easy to modify. Try explore more features.

Tags : [hibernate](#) [hibernate tools](#)

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