# 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.

Edit launch configuration properties		
Select or configure a Console Configuration		
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Project:		
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Database connection:		
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Property file:		
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Configuration file:		
\HibernateExample\src\main\resources\hibernate.cfg.xml	Setup	
Persistence unit:		
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See your list of your tables in "Hibernate Perspective".



#### Sample of "hibernate.cfg.xml", connect to Oracle 11g database.



```
<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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- Create a new configuration, select your "**console configuration**" (configured in step 2), puts your "**Output directory**" and checked option "**Reverse engineer from JDBC Connection**".

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- In "Exporter" tab, select what you want to generate, Model, mapping file (hbm), DAO, annotation code and etc.

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? M	Kyong.com Run Close

See result



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#### Note

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

Tags :hibernatehibernate tools

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