

[JAVA TUTORIAL](#)[#INDEX POSTS](#)[#INTERVIEW QUESTIONS](#)[RESOURCES](#)[HIRE ME](#)[DOWNLOAD ANDROID APP](#)[CONTRIBUTE](#)**Subscribe to Download Java Design Patterns eBook****DOWNLOAD NOW**[HOME](#) » [HIBERNATE](#) » [HIBERNATE TOOLS ECLIPSE PLUGIN](#)

Hibernate Tools Eclipse Plugin

APRIL 2, 2018 BY [PANKAJ](#) — [8 COMMENTS](#)

If you have worked on **hibernate projects**, you must be familiar with a lot of properties we need for hibernate mapping and configuration file. Without any proper tool that can guide us in looking for correct properties, it will become very hard to correctly configure our application. This is when **Hibernate Tools Eclipse Plugin** comes handy and a must have plugin for hibernate projects.

Table of Contents [\[hide\]](#)

[1 Hibernate Tools](#)

[1.1 Hibernate Tools Eclipse Plugin Installation](#)

[1.2 Generating Hibernate Mapping File using Hibernate Tools Eclipse Plugin](#)

[1.3 Generating Hibernate Configuration File using Hibernate Tools Eclipse Plugin](#)

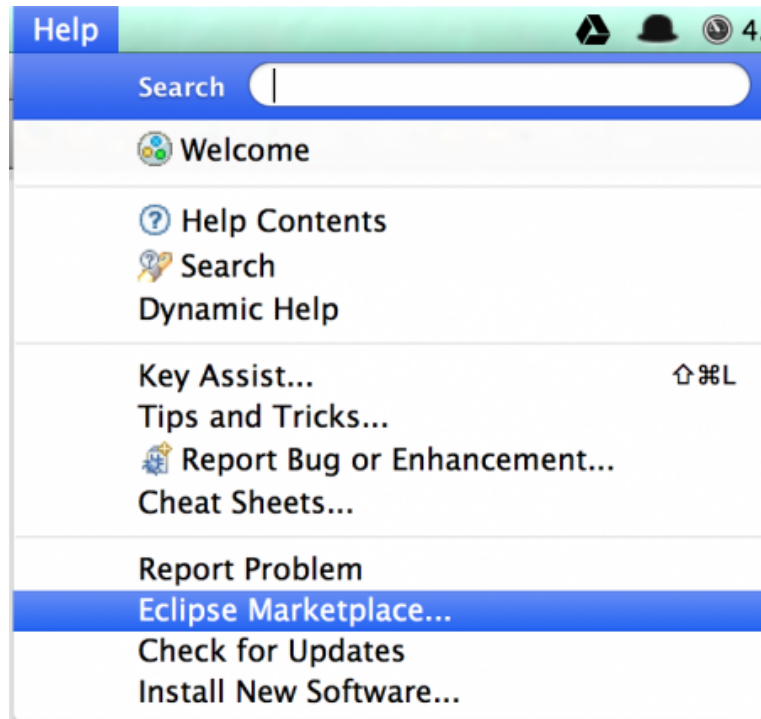
Hibernate Tools

Today we will look into installing hibernate tools in Eclipse and how to use it for generating Hibernate mapping and configuration xml files.

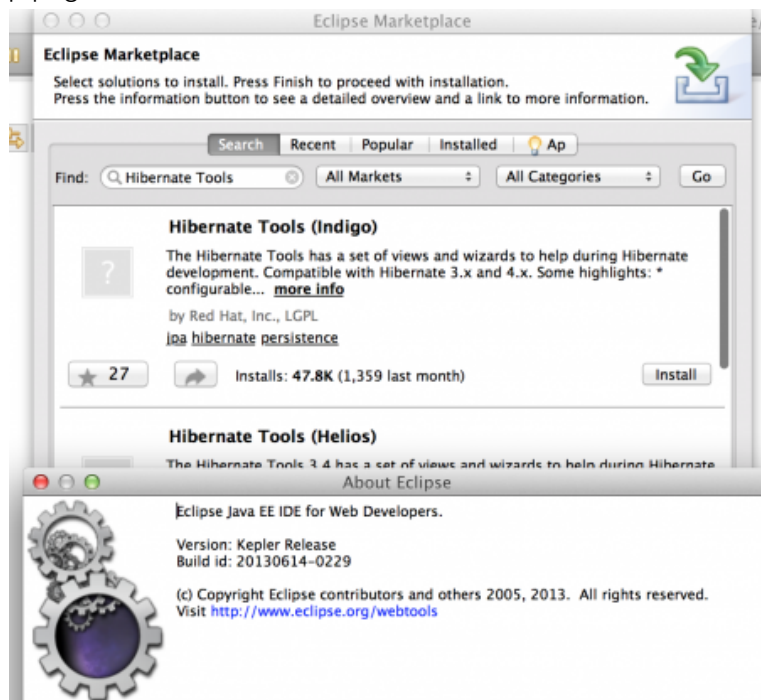
Hibernate Tools Eclipse Plugin Installation

Installing Hibernate Tools eclipse plugin requires following steps.

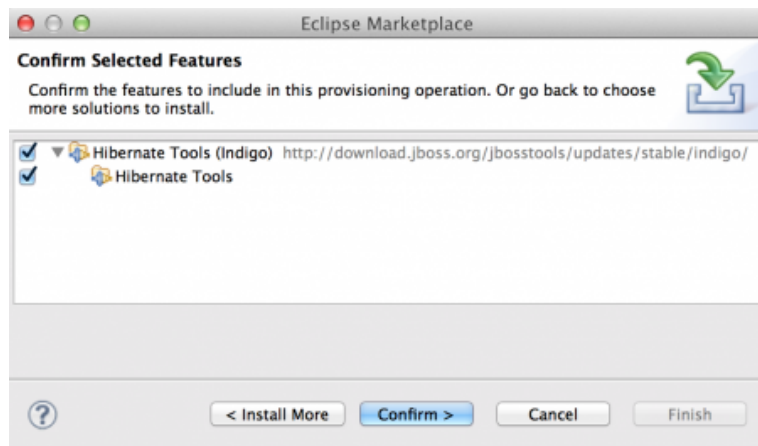
1. Go to "Eclipse Marketplace" from the Help Menu, as shown in below image.



2. Use the search option to find the "Hibernate Tools" plugin, hibernate plugins are Eclipse version specific. So make sure you choose the same one as your eclipse. You can find Eclipse version from "About Eclipse" popup page.



3. Click on the install button, make sure the "Hibernate Tools" check box is selected and follow the instructions to install.



4. Once the plugin is installed, it will ask to restart the Eclipse. Just restart it and you are ready to use it for hibernate projects.

Generating Hibernate Mapping File using Hibernate Tools Eclipse Plugin

Now that **Hibernate Tools Plugin** is installed, let's see how to generate Hibernate Mapping XML file using it.

For my example, I have created a simple Java Bean in one of my example projects.

Customer.java

```
package com.journaldev.hibernate.model;

public class Customer {

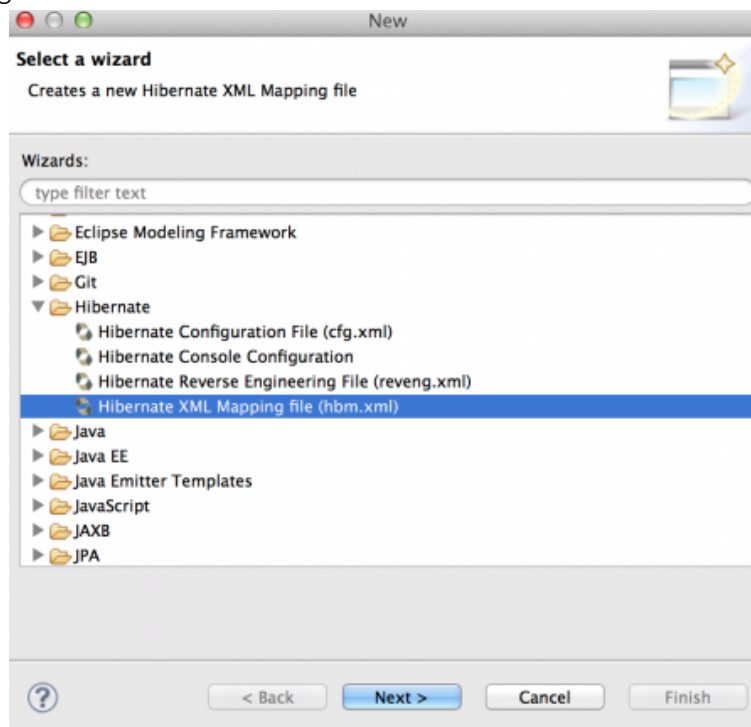
    private int id;
    private String name;

    public int getId() {
        return id;
    }
    public void setId(int id) {
        this.id = id;
    }
    public String getName() {
        return name;
    }
    public void setName(String name) {
        this.name = name;
    }
}
```

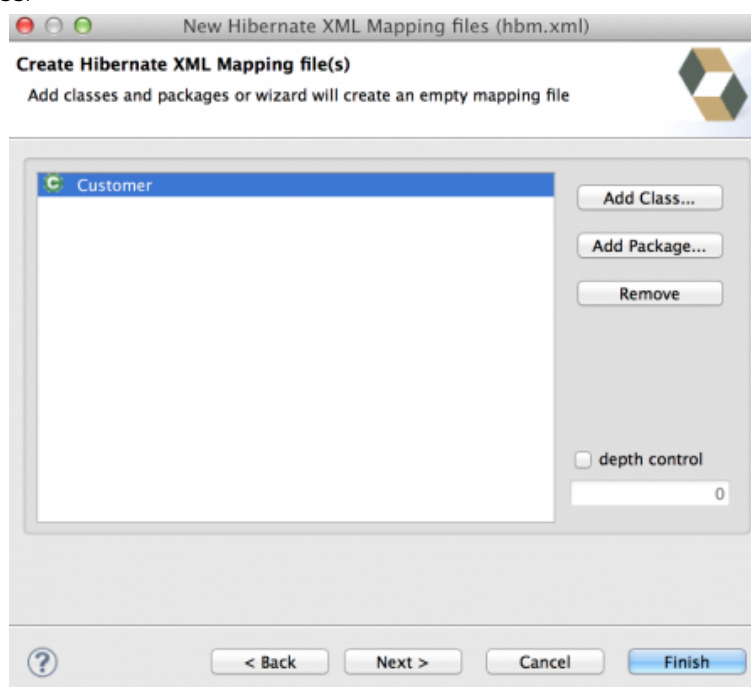


Now let's see how we can easily generate Hibernate Mapping file using hibernate tools plugin.

1. Select the project and go to "New" -> "Other" or you can open this window using keyboard Command+N (Mac), Ctrl+N (Windows). In the popup window, select "Hibernate XML Mapping File" as shown in below image.



2. When you will click Next button, a new popup will come to add Classes, packages etc. Use it to add above Customer class.



3. When you will click Finish button, a new file will get added in the same package where your java bean is present. For our Customer class, file name will be Customer.hbm.xml. Below is the content of the auto generated file.

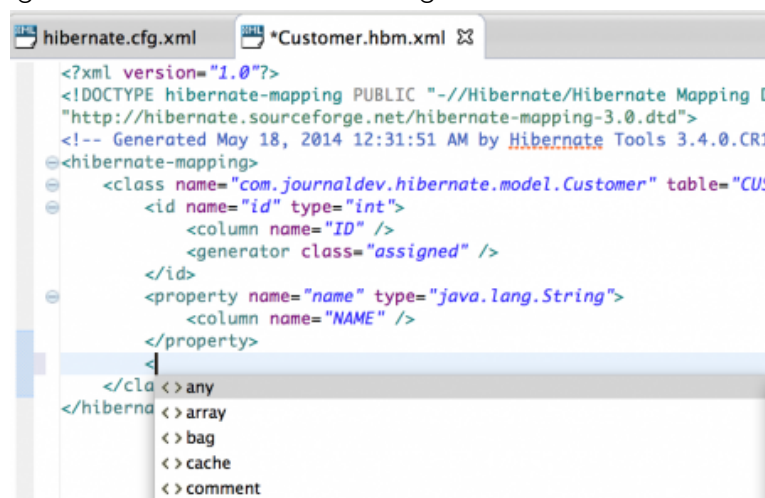
Customer.hbm.xml

```
<?xml version="1.0"?>
<!DOCTYPE hibernate-mapping PUBLIC "-//Hibernate/Hibernate Mapping DTD 3.0//EN"
"http://hibernate.sourceforge.net/hibernate-mapping-3.0.dtd">
<!-- Generated May 18, 2014 12:31:51 AM by Hibernate Tools 3.4.0.CR1 -->
<hibernate-mapping>
    <class name="com.journaldev.hibernate.model.Customer" table="CUSTOMER">
        <id name="id" type="int">
            <column name="ID" />
            <generator class="assigned" />
        </id>
        <property name="name" type="java.lang.String">
            <column name="NAME" />
        </property>
    </class>
</hibernate-mapping>
```

4. Note that the hibernate tool points to old DTD location from SourceForge, you should change it to use from hibernate official website.

```
<!DOCTYPE hibernate-configuration PUBLIC
"-//Hibernate/Hibernate Configuration DTD 3.0//EN"
"http://hibernate.org/dtd/hibernate-configuration-3.0.dtd">
```

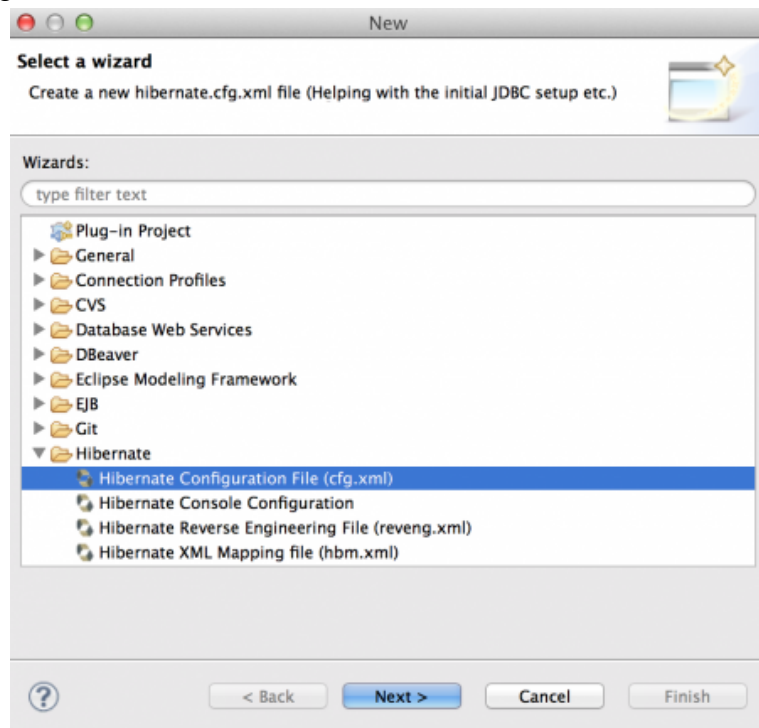
5. The major benefit of using Hibernate tool is the content assist when we want to change something in the hibernate mapping file, as shown in the below image.



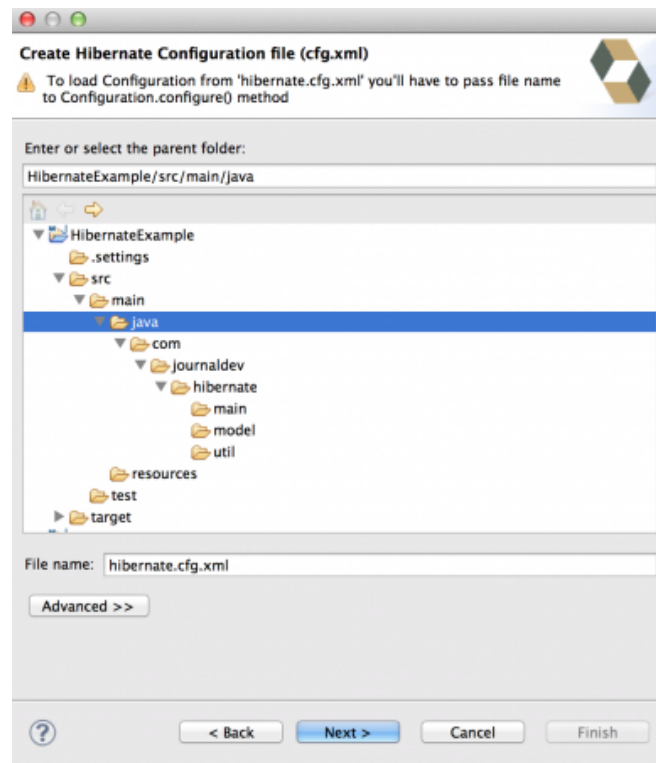
Generating Hibernate Configuration File using Hibernate Tools Eclipse Plugin

Hibernate Configuration XML file contains properties used to configure Database settings, connection pool settings etc. We can use Hibernate Tools plugin to generate the basic hibernate configuration xml file and then use it's content assist to add additional properties.

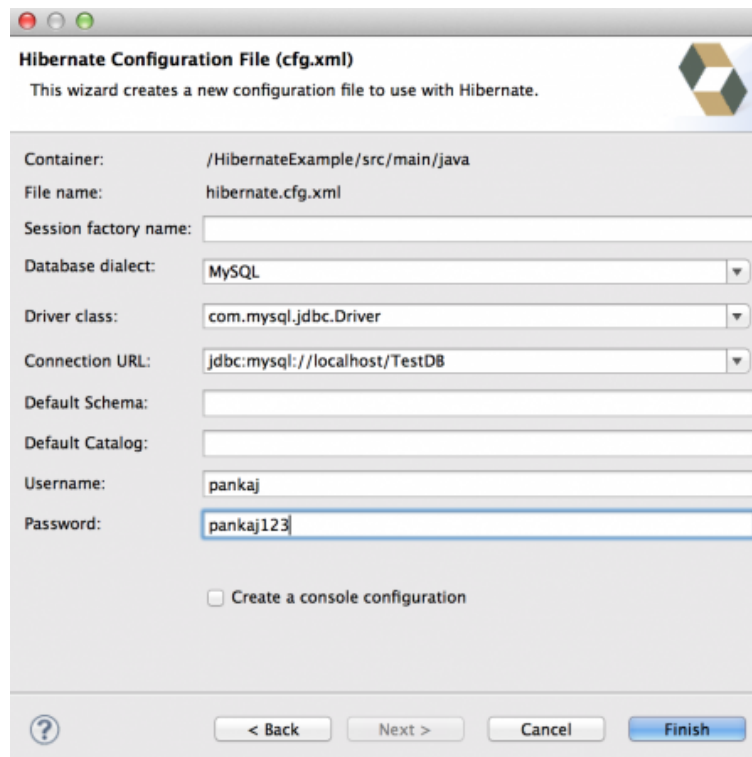
1. Select the project and go to "New" -> "Other" or you can open this window using keyboard Command+N (Mac), Ctrl+N (Windows). In the popup window, select "Hibernate Configuration File" as shown in below image.



2. In the next window, you can select the file location and set the file name, as shown below.



3. The next window lets you set the database properties such as dialect, database user, password and connection URLs.



4. When you click on Finish button, below file will get generated.

hibernate.cfg.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE hibernate-configuration PUBLIC
```

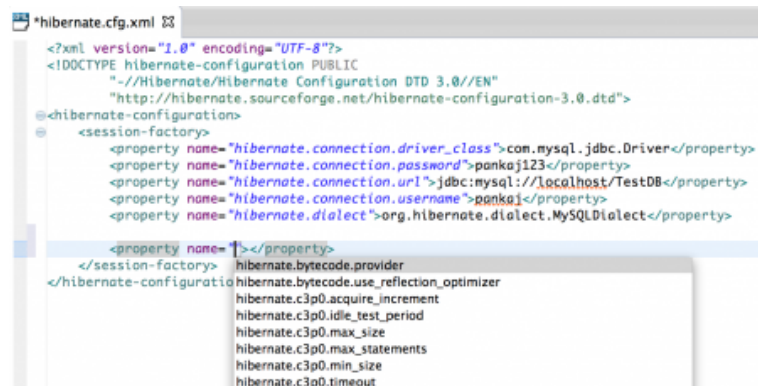
```

"-//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">com.mysql.jdbc.Driver</property>
        <property
name="hibernate.connection.password">pankaj123</property>
        <property
name="hibernate.connection.url">jdbc:mysql://localhost/TestDB</property>
        <property name="hibernate.connection.username">pankaj</property>
        <property
name="hibernate.dialect">org.hibernate.dialect.MySQLDialect</property>
    </session-factory>
</hibernate-configuration>

```

Note that again the DTD is pointing to SourceForge and you should change it to point to Hibernate official DTD location, as specified above.

- Again the major benefit of using hibernate tools is the content assist that comes with it, as shown in the below image.



Because of content assist, we can easily find out the properties that we are looking for, rather than going through a lot of documentations or online resource. This saves a lot of development time and helps us in configuring our application easily.

That's all for using hibernate tools eclipse plugin, I use it for all my hibernate projects and it saves a lot of time every single day.

« PREVIOUS[Hibernate Many To Many Mapping – Join Tables](#)**NEXT »**[HQL – Hibernate Query Language – Example Tutorial](#)**About Pankaj**

If you have come this far, it means that you liked what you are reading. Why not reach little more and connect with me directly on [Google Plus](#), [Facebook](#) or [Twitter](#). I would love to hear your thoughts and opinions on my articles directly.

Recently I started creating video tutorials too, so do check out my videos on [Youtube](#).

FILED UNDER: [HIBERNATE](#)

Comments**xmen says**[DECEMBER 28, 2017 AT 2:00 AM](#)

donot be lazy please try to find answers yourself instead of posting such silly questions here

[Reply](#)

safdar says

MAY 16, 2016 AT 12:08 PM

Good Document !!

Is there any tool like hibernate tool for other versions of eclipse including Mars ?

Thanks

[Reply](#)

Lova Chittumuri says

APRIL 18, 2016 AT 3:01 AM

Sounds Good

[Reply](#)

vinod says

MARCH 25, 2016 AT 4:17 AM

Hi, if we want to install hibernate tools in eclipse .

we want any permissions for installing hibernate tools

[Reply](#)

Pranish says

DECEMBER 6, 2015 AT 10:49 PM

I have created database and I want it to map to hibernate I have questions :-

1. Do I have to map all the database tables including the join table?
2. How do I declare foreign key in mapping file

thank you

[Reply](#)

Rahul Wagh says

AUGUST 2, 2015 AT 11:11 PM

Nice article on the Hibernate setup.

For setting hibernate without using Hibernate eclipse tool you can refer to following link.

This is just alternate if you do not have the Hibernate eclipse tool with you...

<http://techpost360.blogspot.in/2015/07/configuring-hibernate-with-java.html>

[Reply](#)

Danny says

SEPTEMBER 19, 2014 AT 12:49 PM

thanks a lot, i've googled so many sites to know how to install hibernate api in eclipse, but did not find anything working for me, finally i have get this done by your blog.

[Reply](#)

Leave a Reply

Your email address will not be published. Required fields are marked *

Comment

Name *

Email *

☐

Save my name, email, and website in this browser for the next time I comment.

POST COMMENT



DOWNLOAD ANDROID APP



HIBERNATE FRAMEWORK

Hibernate Tutorial

- > [Hibernate Example](#)
- > [Hibernate SessionFactory](#)
- > [Hibernate Session get load](#)
- > [Hibernate Session save](#)
- > [HQL Example](#)
- > [Hibernate Criteria](#)
- > [Hibernate SQL](#)
- > [Hibernate Named Query](#)
- > [Hibernate Log4J](#)
- > [Hibernate Validator](#)
- > [Hibernate Tomcat DataSource](#)

Hibernate Mapping

- > [Hibernate One to One Mapping](#)
- > [Hibernate One to Many Mapping](#)
- > [Hibernate Many to Many Join Tables](#)

Hibernate Caching

- > [Hibernate Cache](#)
- > [Hibernate EHCache](#)

Hibernate Integrations

- > [Hibernate Spring](#)

- > [Hibernate Spring MVC](#)
- > [Hibernate Struts 2](#)
- > [Hibernate Primefaces](#)
- > [Hibernate Primefaces Spring](#)
- > [Hibernate SpringRoo Primefaces](#)
- > [Hibernate JSF Spring](#)

Miscellaneous

- > [Hibernate Tools Eclipse Plugin](#)
- > [Hibernate Configuration Offline](#)
- > [\[Solved\] No identifier specified](#)
- > [Hibernate Program Not Terminating](#)
- > [Access to DialectResolutionInfo](#)
- > [get is not valid](#)
- > [No CurrentSessionContext configured](#)
- > [Hibernate Interview Questions](#)

RECOMMENDED TUTORIALS

Java Tutorials

- > [Java IO](#)
- > [Java Regular Expressions](#)
- > [Multithreading in Java](#)
- > [Java Logging](#)
- > [Java Annotations](#)
- > [Java XML](#)
- > [Collections in Java](#)
- > [Java Generics](#)
- > [Exception Handling in Java](#)
- > [Java Reflection](#)
- > [Java Design Patterns](#)
- > [JDBC Tutorial](#)

Java EE Tutorials

- > [Servlet JSP Tutorial](#)
- > [Struts2 Tutorial](#)
- > [Spring Tutorial](#)
- > [Hibernate Tutorial](#)
- > [Primefaces Tutorial](#)
- > [Apache Axis 2](#)
- > [JAX-RS](#)
- > [Memcached Tutorial](#)

Oracle Database Tools

Java Programming Courses

Learn Programming Online

Employer Interview Questions

Web Design Tutorials

Learn Java in 7 Days

Create Your Own Website

Java Tutorial for Beginners



© 2018 · Privacy Policy · Don't copy, it's Bad Karma · P