

HIBERNATE - ENVIRONMENT

http://www.tutorialspoint.com/hibernate/hibernate_environment.htm

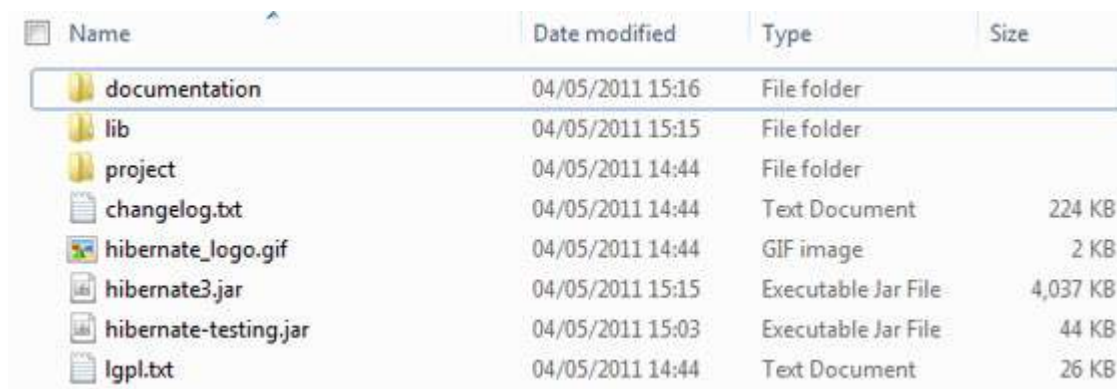
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This chapter will explain how to install Hibernate and other associated packages to prepare a develop environment for the Hibernate applications. We will work with MySQL database to experiment with Hibernate examples, so make sure you already have setup for MySQL database. For a more detail on MySQL you can check our [MySQL Tutorial](#).

Downloading Hibernate:

It is assumed that you already have latest version of Java is installed on your machine. Following are the simple steps to download and install Hibernate on your machine.

- Make a choice whether you want to install Hibernate on Windows, or Unix and then proceed to the next step to download .zip file for windows and .tz file for Unix.
- Download the latest version of Hibernate from <http://www.hibernate.org/downloads>.
- At the time of writing this tutorial I downloaded **hibernate-distribution-3.6.4.Final** and when you unzip the downloaded file it will give you directory structure as follows.



Name	Date modified	Type	Size
documentation	04/05/2011 15:16	File folder	
lib	04/05/2011 15:15	File folder	
project	04/05/2011 14:44	File folder	
changelog.txt	04/05/2011 14:44	Text Document	224 KB
hibernate_logo.gif	04/05/2011 14:44	GIF image	2 KB
hibernate3.jar	04/05/2011 15:15	Executable Jar File	4,037 KB
hibernate-testing.jar	04/05/2011 15:03	Executable Jar File	44 KB
lgpl.txt	04/05/2011 14:44	Text Document	26 KB

Installing Hibernate:

Once you downloaded and unzipped the latest version of the Hibernate Installation file, you need to perform following two simple steps. Make sure you are setting your CLASSPATH variable properly otherwise you will face problem while compiling your application.

- Now copy all the library files from **/lib** into your CLASSPATH, and change your classpath variable to include all the JARs:
- Finally copy **hibernate3.jar** file into your CLASSPATH. This file lies in the root directory of the installation and is the primary JAR that Hibernate needs to do its work.

Hibernate Prerequisites:

Following is the list of the packages/libraries required by Hibernate and you should install them before starting with Hibernate. To install these packages you would have to copy library files from **/lib** into your CLASSPATH, and change your CLASSPATH variable accordingly.

S.N. Packages/Libraries

- 1 **dom4j** - XML parsing www.dom4j.org/
- 2 **Xalan** - XSLT Processor <http://xml.apache.org/xalan-j/>
- 3 **Xerces** - The Xerces Java Parser <http://xml.apache.org/xerces-j/>
- 4 **cglib** - Appropriate changes to Java classes at runtime <http://cglib.sourceforge.net/>
- 5 **log4j** - Logging Faremwork <http://logging.apache.org/log4j>

- 6 **Commons** - Logging, Email etc. <http://jakarta.apache.org/commons>
- 7 **SLF4J** - Logging Facade for Java <http://www.slf4j.org>