Home   Programming   Java   Web   Databases   Academic   Management   Quality   Telecom   More...   REFERENCES | FORUM | ABOUT | CONTACT

HIBERNATE

Hibernate Tutorial

- Hibernate Home
- ORM Overview
- **Hibernate Overview**
- Hibernate Architecture
- Hibernate Environment
- Hibernate Configuration
- Hibernate Sessions
- Hibernate Persistent Class
- Hibernate Mapping Files
- Hibernate Mapping Types
- Hibernate Examples
- Hibernate O/R Mappings
- Hibernate Annotations
- Hibernate Query Language
- Hibernate Criteria Queries
- Hibernate Native SQL
- Hibernate Caching
- Hibernate Batch Processing
- Hibernate Interceptors

Hibernate Useful Resources

- Hibernate Quick Guide
- Hibernate Useful Resources

Selected Reading

- Developer's Best Practices
- Effective Resume Writing
- Computer Glossary
- Who is Who

Hibernate Overview

◁ Previous Page   Next Page ▷

Hibernate is an Object-Relational Mapping(ORM) solution for JAVA and it raised as an open source persistent framework created by Gavin King in 2001. It is a powerful, high performance Object-Relational Persistence and Query service for any Java Application.

Hibernate maps Java classes to database tables and from Java data types to SQL data types and relieve the developer from 95% of common data persistence related programming tasks.

Hibernate sits between traditional Java objects and database server to handle all the work in persisting those objects based on the appropriate O/R mechanisms and patterns.

Hibernate Advantages:

- Hibernate takes care of mapping Java classes to database tables using XML files and without writing any line of code.
- Provides simple APIs for storing and retrieving Java objects directly to and from the database.
- If there is change in Database or in any table then the only need to change XML file properties.
- Abstract away the unfamiliar SQL types and provide us to work around familiar Java Objects.
- Hibernate does not require an application server to operate.
- Manipulates Complex associations of objects of your database.
- Minimize database access with smart fetching strategies.
- Provides Simple querying of data.

Supported Databases:

Hibernate supports almost all the major RDBMS. Following is list of few of the database engines supported by Hibernate.

- HSQL Database Engine
- DB2/NT
- MySQL
- PostgreSQL
- FrontBase
- Oracle
- Microsoft SQL Server Database
- Sybase SQL Server
- Informix Dynamic Server

Supported Technologies:

Hibernate supports a variety of other technologies, including the following:

- XDoclet Spring
- J2EE
- Eclipse plug-ins
- Maven

◁ Previous Page   🖶 Print Version   📄 PDF Version   Next Page ▷