SETC Training Corporate Logo

Java Training: Professional Hibernate Development (JHIB, 4 jours)

Description

Hibernate is the gold standard of ORM technology. The course Professional Hibernate Development (Java Training) covers the design & implementation of data tables, primary & foreign keys, constraints & dialects. The training includes Hibernate security & performance considerations and covers advanced object mapping & HQL. This Java course also compares available ORM solutions including JPA, Struts & Spring MVC.

Tarifs

- Tarification: $3,750/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

Plan de cours

Hibernate Basics

- The Problem with Hand-Coded SQL
- About ORM with Hibernate
- Hibernate Namespaces
- Hibernate Interfaces
- The ISessionFactory
- The Session Instances
- Identity
- Hibernate Application Configuration

Object Mapping

- The Domain Model
- Mapping Basics
- Mapping Objects
- Dealing with Identity
- Mapping Types
- Mapping: Value Types and Entity Types
- Mapping Class Hierarchies
- Mapping Associations
- Mapping Collections
- Mapping and Polymorphism

Object Persistence

- The Mechanics of Persistence
- Persistence Lifecycle
- The Persistence Manager
- About Transitive Persistence
- Techniques for Persistent Objects Retrieval

Transactions

- Transaction Basics
- Transaction Models
- Long Running Transactions
- Isolation Levels and Locking
- Transaction APIs: ADO.NET, COM+, and Hibernate
- Application Transactions

About Hibernate Caching
HQL
Executing HQL Queries
HQL Basic Syntax
Pattern Matching
Polymorphic Queries
Comparison Operators
Logical Operators
Join Operators
Using Identity
Aggregations and Ordering
Dynamic Queries
Filters and Sub-Queries
Optimizing Performance
Hibernate Applications
Application Architecture Overview
Application Design
Using Hibernate in a .NET Application
Some Issues Related to .NET Development
The Hibernate Toolset
hbm2java
hbm2ddl
Tools for Generating the Mapping and Entities from the Database
log4java