

## Hibernate for Java

CODICE	DT0066
DURATA	3 gg
PREZZO	1.190,00 €
EXAM	

### DESCRIZIONE

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Il corso si rivolge a tutti i capi progetto, gli architetti Software, analisti e sviluppatori con una buona conoscenza del linguaggio Java e dei Database relazionali, interessati allo sviluppo di applicazioni basate sul framework Hibernate.

### TARGET

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Sviluppatori Java

### PREREQUISITI

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Conoscenza di Java core

### CONTENUTI

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## Introduction to Hibernate

- Introducing Hibernate
- The Object/Relational Mapping Problem
- JDBC
- The Users-Roles Schema
- Tools and Environment Setup
- Creating the Database

## Configuring Hibernate

- Hibernate Distributions
- Required Libraries
- Configuration Files
- hibernate.properties
- hibernate.cfg.xml

# Hibernate Persistence

- The Hibernate Architecture
- SessionFactory Methods
- Hibernate Sessions
- Object States
- State Transitions
- Session Methods
- Transactions
- Session-Per-Operation
- Session-Per-Request
- The Data Access Object Pattern

# Object/Relational Mapping

- Object-Oriented Design
- Relational Mapping
- Bidirectional Association
- O/R Mapping Techniques
- The Mapping Document
- The Mapping XML Model
- Primary Keys and Identity
- Generating Identifiers
- Other Mapping Elements
- Components
- Mapping Associations
- The Mapping XML Model for Associations
- Unidirectional Many-to-One
- Eager Fetching
- Bidirectional One-To-Many
- Bidirectional One-To-One
- Mapping Inheritance
- Inheritance and Databases
- Single-Table Inheritance
- Mapping Single-Table Inheritance
- Table-Per-Subclass
- Table-Per-Subclass Mapping
- Table-Per-Concrete-Class

# The Hibernate Query Language

- The Hibernate Query Language
- Fundamentals

- HQL Queries
- Polymorphism
- Named Parameters
- Entity Parameters
- Joining on Associations
- Aggregate Methods
- Updates and Deletes
- Named Queries
- Using Native SQL