

# .NET Training: Professional NHibernate Development (NFNHIB, 4 jours)

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## Description

The course Professional NHibernate Development (.NET Training) teaches you to implement ORM for data access with NHibernate & .NET. The course begins with an exploration of NHibernate building blocks such as dialects, sessions, entities, identity & mapping files. The training includes the details of mapping files, persistence, caching, transactions & HQL. The course concludes with an exploration of the various tools and utilities that are commonly used in the context of an NHibernate based .NET application.

## Tarifs

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

## Plan de cours

### NHibernate Basics

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The Problem with Hand-Coded SQL

About O/RM with NHibernate

NHibernate Namespaces

NHibernate Interfaces

The ISessionFactory

The Session Instances

Identity

NHibernate Application Configuration

### Object Mapping

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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

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The Mechanics of Persistence

Persistence Lifecycle

The Persistence Manager

About Transitive Persistence

Techniques for Persistent Objects Retrieval

### Transactions

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Transaction Basics

Transaction Models

Long Running Transactions

Isolation Levels and Locking

Transaction APIs: ADO.NET, COM+, and NHibernate

[Application Transactions](#)

[About NHibernate Caching](#)

## [HQL](#)

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[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](#)

## [NHibernate Applications](#)

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[Application Architecture Overview](#)

[Application Design](#)

[Using NHibernate in a .NET Application](#)

[Some Issues Related to .NET Development](#)

## [The NHibernate Toolset](#)

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[hbm2net](#)

[hbm2ddl](#)

[Tools for Generating the Mapping and Entities from the Database](#)

[log4net](#)