

Training program:

Java Persistence API (Hibernate)

Info:

Name:	Java Persistence API (Hibernate)
Code:	advanced-JPA
Category:	Advanced Java
Target audience:	developers
Duration:	2-3 days
Format:	50% lecture / 50% workshop

Training program

1. OO basics

2. OO-relational mapping basics

3. Configuration

3.1. Java EE

3.2. Unmanaged

3.3. Spring

4. Basic entity mapping

4.1. Types

4.2. Ids

4.3. Constrains

4.4. Associations

4.5. Fetching data

4.6. Cascade operations

5. Advance mapping

5.1. Embedding

5.2. Value Objects as Embeddable

5.3. Compound keys

6. EntityManager and Persistent Context

6.1. Lifecycle

6.2. API EntityManager

6.3. Extended mode

7. Optimised queries

7.1. JPQL

7.2. Criteria API

7.3. Performance issues

8. Inheritance mapping

9. Transactions

9.1. Locking

10. Performance

10.1. Cache (L1, L2, Query)

10.2. lazy loading (n+1 select problem)

10.3. Sensible data reading

11. Architecture

11.1. Layers

11.2. Ports and Adapters

12. Advanced topics

12.1. Callbacks

12.2. Listeners

12.3. Hibernate Shreads

12.4. Hibernate Search - Lucene

12.5. Hibernate Session