JB297 JBoss Hibernate Technology

Course Summary

Description

JBoss Hibernate offers high-performing object/relational persistence and query services. The JBoss Hibernate Technology (JB297) course gives Java developers the knowledge and skills required to leverage the powerful Java Hibernate Application Stack. Through clear interactive lectures and hands-on labs, students are introduced to Hibernate essentials and internals along with its practical applications and best practices strategies. Hibernate helps students produce and maintain well-designed, robust business applications while optimizing performance and reducing software maintenance costs. This course will also demonstrate to the students how Web Platform can use a slimmed down profile of the JBoss Application Server to provide an integrated platform for next-generation, standards-based Java applications.

JBoss Hibernate adapts to your development process, no matter if you start with a design from scratch or work with an existing database. It supports any application architecture. Combined with Hibernate EntityManager and Hibernate Annotations, you can use Hibernate as a certified Java Persistence provider.

Topics

- State of the union
  - Introductions
  - Explanation of .org vs. .com
  - Brief overview of products
- Understanding the object-relational mismatch
- Introduction to Hibernate ORM
- Hibernate tooling and development
- Persistent classes in Hibernate
- O/R mapping details and inheritance
- Hibernate Transactions
- Understanding Hibernate Query technology
- Best practices and improving performance
- Additional Hibernate modules

Audience

- Enterprise systems architects
- Experienced Java developers who work with SQL-based database systems
- Business component and database developers
- Database administrators who need to understand how ORM may affect performance and how to tune the performance of the SQL database management system and persistence layer

Prerequisites

- Experience with Java Platform, Enterprise Edition (Java EE) or Java 2 Platform, Enterprise Edition (J2EE)
- A high-level understanding of enterprise software systems development
- An understanding of legacy systems integration

Duration

Three days

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