Fast Track to the Java™ Persistence API Version 2

As part of the complete overhaul of the Enterprise JavaBeans™ (EJB) specification, database persistence was broken out into a completely separate specification, the Java Persistence API (JPA). JPA replaces entity beans with powerful new Object-Relational Mapping (ORM) capabilities based on proven technologies such as Toplink® and Hibernate®. This course includes all important features from JPA 2, and is also suitable for users of the 1.0 release.

JPA supports a POJO (Plain Old Java Object) based model using annotations which lets you develop persistent classes following common Java idioms. It supports entity relationships, inheritance, polymorphism, composition, and much more. The Java Persistence Query Language (JPQL), which is based on SQL but operates on the object model, provides a powerful bridge between the object and relational worlds. JPA also allows you to express queries using native SQL, including the capability to map the SQL query results to persistent entities. This course covers everything you need to know to begin working with the Java Persistence API in a very short time. It covers all the important concepts necessary to access and update data stored in relational databases. It includes an extensive series of labs to exercise all major capabilities. The standard platform does all labs with the Eclipse IDE, and the lab instructions include detailed directions for setting up and using it. The course is available for all major development environments, including IBM RAD and IntelliJ.

Audience: Java developers who need to develop their understanding of JPA.

Prerequisites: Proficiency in Java and object-oriented programming, knowledge in relational databases, and some familiarity with Spring® is recommended.

Number of Days: 3 days