

JBoss HIBERNATE TECHNOLOGY

LEARN ABOUT RELATIONAL PERSISTENCE FOR JAVA THROUGH THE HIBERNATE APPLICATION STACK

VALUE OF TRAINING

Your team is your most valuable asset. By investing in the expertise of your staff, you can ensure optimal system performance, enhance productivity, and mitigate risk. When you include hands-on training from Red Hat as part of your deployment and maintenance strategy, you can maximize the value of your Red Hat technology investment and reach new productivity heights.

COURSE DESCRIPTION

JBoss® Hibernate is a certified Java Persistence API (JPA) provider that offers high-performing object/relational persistence and query services. JBoss Hibernate tooling, with JBoss Developer Studio, adapts to your development process, no matter if you start with a design from scratch or work with an existing database.

The JBoss Hibernate Technology (JB297) course provides Java developers the knowledge and skills required to leverage the powerful JPA relational data framework using the Hibernate application stack. Through clear interactive lectures and hands-on labs, students will leverage JPA with Hibernate, including both simple Java and advanced JEE application architectures, to provide an integrated platform for next-generation, standards-based Java applications. By the end of the course, students will have learned the best practices to leverage Hibernate to produce and maintain well-designed, robust business applications while optimizing performance and reducing software maintenance costs.

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

FORMAT	LENGTH	PRICE*
Classroom JB297	3 days	\$2,025 7 training units
Virtual JB297VT	4 days	\$2,025 7 training units
Team on-sites	Contact a training specialist for a quote at 866-626-2994	

* Price subject to change

PREREQUISITES

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

COURSE DETAILS

Understanding Java Persistence

Learn how Hibernate effectively answers the question of how to represent relational data in an object-oriented environment.

Getting Started with Hibernate

Deploy a simple application leveraging core Hibernate mappings and persistence features.

Hibernate Projects & Tools

Use available JBoss Developer Studio Hibernate tooling to analyze a project's domain objects.

Advanced Hibernate Mapping

Extend Hibernate Entities with built-in and user-defined types and develop robust identifiers.





Entity Relations and Inheritance

Use advanced relational mappings to manage uni- and bi-directional associations, and map Java inheritance to database tables.

Persistent State and Transactions in Hibernate

Examine how Hibernate manages the relationship between the data in a table and the values in an entity, and associate these state changes with a unit of work.

Querying Data Efficiently

Learn how to leverage Hibernate fetching strategies, query options, and filters to produce efficient queries.

Design and Best Practices Review

Learn the basics of Hibernate design patterns and best practices and how to apply them to build efficient Hibernate systems.

Hibernate Configuration and Deployment

Use Hibernate's highly adaptable framework in a variety of application types, from simple Java standalone applications to full-fledged Java Enterprise class deployments.

Hibernate Advanced Frameworks

Learn about Hibernate's advanced tooling to assist developers in the areas of testing, validation, search, and spanning database instances.

WAYS TO TRAIN

Whether you need to train a team of IT professionals, or just yourself, Red Hat offers a variety of learning styles, delivery methods, certifications, savings programs, and customized solutions to maximize return on your Red Hat Enterprise investment.

Classroom training

Red Hat offers a robust six-month schedule of classroom training in more than 40 locations across North America. That convenience, combined with our high-quality classroom experience and instructor expertise, helps ensure companies and individuals will achieve their training goals.

Virtual training

The flexibility of our virtual training courses allows IT professionals to experience the same industry-recognized classroom training while maintaining a partial work schedule and achieving cost savings objectives. This is live, instructor-led training, taken from your office or home.

On-site team training

Training teams together is a proven way for IT staff to maximize the performance, savings, and management of Red Hat solutions. Available for the entire curriculum, onsite training also provides the option of customizing the course content to meet your specific training requirements. Whether at your offices, our training venues, or hosted in a virtual environment, onsite training solutions offer flexibility and cost-effective training options.

READY TO TRAIN?

Contact a training specialist

Red Hat training is a critical strategy that helps companies realize the full potential of their IT teams and Red Hat enterprise technology. Contact a member of our sales team or a Red Hat training specialist for assistance designing a training path that is right for your needs.

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