

Where To Download Java
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Java Persistence With Hibernate

*You can choose several
data access frameworks
when building Java
enterprise applications*

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that work with relational databases. But what about big data? This hands-on introduction shows you how Spring Data makes it relatively easy to build

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applications across a wide range of new data access technologies such as NoSQL and Hadoop. Through several sample projects, you'll learn how Spring Data provides

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*a consistent programming
model that retains NoSQL-
specific features and
capabilities, and helps
you develop Hadoop
applications across a
wide range of use-cases*

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such as data analysis, event stream processing, and workflow. You'll also discover the features Spring Data adds to Spring's existing JPA and JDBC

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*support for writing
RDBMS-based data access
layers. Learn about
Spring's template helper
classes to simplify the
use of database-specific
functionality Explore*

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Spring Data's repository abstraction and advanced query functionality Use Spring Data with Redis (key/value store), HBase (column-family), MongoDB (document database), and

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*Neo4j (graph database)
Discover the GemFire
distributed data grid
solution Export Spring
Data JPA-managed
entities to the Web as
RESTful web services*

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*Simplify the development
of HBase applications,
using a lightweight
object-mapping framework
Build example big-data
pipelines with Spring
Batch and Spring*

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Integration

Implement JPA

*repositories and harness
the performance of Redis
in your applications.*

*JDBC has simplified
database access in Java*

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applications, but a few nagging wrinkles remain—namely, persisting Java objects to relational databases. With this book, you'll learn how the Spring

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Framework makes that job incredibly easy with dependency injection, template classes, and object-relational-mapping (ORM). Through sample code, you'll discover

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how Spring streamlines the use of JDBC and ORM tools such as Hibernate, the Java Persistence API (JPA), and Java Data Objects (JDO). If you're a Java developer

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familiar with Spring (perhaps through O'Reilly's Just Spring tutorial) and want to advance your data access skills, this book shows you how. Learn how to

Where To Download Java Persistence With Hibernate

*use Spring's basic and
advanced data access
tools Work with Spring's
JdbcTemplate class to
separate non-critical
code from business code
Eliminate placeholder*

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*variables in your
queries with the NamedPa
rameterJdbcTemplate
class Use Spring's
template classes to
perform batch executions
Operate inserts on*

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database tables without writing any SQL statements Learn about Spring's support for Hibernate as an object-relational-mapping tool Use JPA as a standards-

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*based ORM—alone or with
Spring support Move data
from a relational to a
non-relational database
with JDO*

*This book jumps to the
"good stuff" from the*

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outset, allowing students to quickly start writing real applications. It introduces readers to a 3-tiered, Model-View-Controller architecture

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*by using Hibernate,
JSPs, and Java Servlets.
This book uses existing
powerful technologies
such as JSP, JavaBeans,
Annotations, JSTL, Java
1.5, Hibernate, Apache*

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Velocity and Tomcat. It also presents Model 1 architectures using Servlets and JSP as alternatives to Perl and PHP. Written for novice developers, this book

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provides an introductory course in web development for undergraduates as well as web developers.

When you use Hibernate in your projects, you

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*quickly recognize that
you need to do more than
just add @Entity
annotations to your
domain model classes.
Real-world applications
often require advanced*

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mappings, complex queries, custom data types and caching. Hibernate can do all of that. You just have to know which annotations and APIs you need to

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use. Hibernate Tips - More than 70 solutions to common Hibernate problems shows you how to efficiently implement your persistence layer with Hibernate's basic

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and advanced features. Each Hibernate Tip consists of one or more code samples and an easy to follow step-by-step explanation. You can also download an example

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*project with executable
test cases for each
Hibernate Tip.*

*Throughout this book,
you will get more than
70 ready-to-use
solutions that show you*

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how to: - Define standard mappings for basic attributes and entity associations. - Implement your own attribute mappings and support custom data

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types. - Use Hibernate's Java 8 support and other proprietary features. - Read data from the database with JPQL, Criteria API, and native SQL queries. - Call

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*stored procedures and
database functions. This
book is for developers
who are already working
with Hibernate and who
are looking for
solutions for their*

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current development tasks. It's not a book for beginners who are looking for extensive descriptions of Hibernate's general concepts. The tips are

Where To Download Java Persistence With Hibernate

*designed as self-
contained recipes which
provide a specific
solution and can be
accessed when needed.
Most of them contain
links to related tips*

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which you can follow if you want to dive deeper into a topic or need a slightly different solution. There is no need to read the tips in a specific order. Feel

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free to read the book from cover to cover or to just pick the tips that help you in your current project.

Get started with the Hibernate 5 persistence

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layer and gain a clear introduction to the current standard for object-relational persistence in Java. This updated edition includes the new

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Hibernate 5.0 framework as well as coverage of NoSQL, MongoDB, and other related technologies, ranging from applications to big data. Beginning

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Hibernate is ideal if you're experienced in Java with databases (the traditional, or connected, approach), but new to open-source, lightweight Hibernate.

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The book keeps its focus on Hibernate without wasting time on nonessential third-party tools, so you'll be able to immediately start building transaction-

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*based engines and
applications.*

*Experienced authors
Joseph Ottinger with
Dave Minter and Jeff
Linwood provide more in-
depth examples than any*

Where To Download Java Persistence With Hibernate

*other book for Hibernate
beginners. They present
their material in a
lively, example-based
manner—not a dry,
theoretical, hard-to-
read fashion. What*

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*You'll Learn Build
enterprise Java-based
transaction-type
applications that access
complex data with
Hibernate Work with
Hibernate 5 using a*

Where To Download Java Persistence With Hibernate

*present-day build
process Use Java 8
features with Hibernate
Integrate into the
persistence life cycle
Map using Java's
annotations Search and*

Where To Download Java Persistence With Hibernate

*query with the new
version of Hibernate
Integrate with MongoDB
using NoSQL Keep track
of versioned data with
Hibernate Envers Who
This Book Is For*

Where To Download Java Persistence With Hibernate

*Experienced Java
developers interested in
learning how to use and
apply object-relational
persistence in Java and
who are new to the
Hibernate persistence*

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framework.

*Gestion optimale de la
persistance dans les
applications Java/JEE
Avec JPA (Java
Persistence API),
composante essentielle*

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*des spécifications EJB
3, le monde Java/JEE
dispose enfin d'un
standard fiable et
efficace pour la gestion
de la persistance et du
mapping objet-*

Where To Download Java Persistence With Hibernate

*relationnel. Largement
inspiré du pragmatisme
d'Hibernate et tirant
parti d'une avancée
majeure de Java SE 5
(les annotations), Java
Persistence privilégie*

Where To Download Java Persistence With Hibernate

*la simplicité de
développement en plaçant
les métadonnées de
persistance au coeur du
code Java SE ou EE et en
reléguant les
descripteurs XML aux cas*

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*extrêmes. Un livre
pratique illustré d'une
étude de cas détaillée A
la fois pratique et
didactique, cet ouvrage
décrit les différentes
facettes de l'API et de*

Where To Download Java Persistence With Hibernate

*son implémentation
Hibernate en montrant
comment les mettre en
oeuvre à travers une
étude de cas déclinée au
fil des chapitres. Il
insiste tout*

Where To Download Java Persistence With Hibernate

*particulièrement sur la
définition des
annotations et
l'utilisation du
gestionnaire d'entités
en environnement Java SE
ou Java EE, ainsi que*

Where To Download Java Persistence With Hibernate

*sur les aspects
méthodologiques et sur
les questions de
performances : mapping
de modèles objet ou de
schémas relationnels
complexes, récupération*

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*efficace des objets
persistants, gestion de
la concourance et
persistance transitive,
configuration des pools
de connexions et des
caches de second niveau,*

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etc. L'ouvrage montre également comment repousser les limites de Java Persistence API grâce aux possibilités d'optimisation et aux extensions offertes par

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*Hibernate. Sur le site www.editions-eyrolles.com
Dialoguez avec l'auteur
Consultez les mises à
jour et compléments
Téléchargez le code
source de l'étude de cas*

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This book is a collection of developer code recipes and best practices for persisting data using Spring, particularly Spring Boot. The book is

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*structured around
practical recipes, where
each recipe discusses a
performance case or
performance-related
case, and almost every
recipe has one or more*

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applications. Mainly, when we try to accomplish something (e.g., read some data from the database), there are several approaches to do it,

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and, in order to choose the best way, you have to know the implied trades-off from a performance perspective. You'll see that in the end, all these penalties

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slow down the application. Besides presenting the arguments that favor a certain choice, the application is written in Spring Boot style which is

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quite different than plain Hibernate.

Persistence is an important set of techniques and technologies for accessing and using

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data, and this book demonstrates that data is mobile regardless of specific applications and contexts. In Java development, persistence is a key factor in

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*enterprise, ecommerce,
cloud and other
transaction-oriented
applications. After
reading and using this
book, you'll have the
fundamentals to apply*

Where To Download Java Persistence With Hibernate

*these persistence
solutions into your own
mission-critical
enterprise Java
applications that you
build using Spring. What
You Will Learn Shape*

Where To Download Java Persistence With Hibernate

**-to-many associations
for best performances
Effectively exploit
Spring Projections (DTO)
Learn best practices for
batching inserts,
updates and deletes*

Where To Download Java Persistence With Hibernate

*Effectively fetch parent
and association in a
single SELECT Learn how
to inspect Persistent
Context content Dissect
pagination techniques
(offset and keyset)*

Where To Download Java Persistence With Hibernate

*Handle queries, locking,
schemas, Hibernate
types, and more Who This
Book Is For Any Spring
and Spring Boot
developer that wants to
squeeze the persistence*

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layer performances.

[Mastering the Java™](#)

[Persistence API](#)

[Spring Data Standard](#)

[Guide](#)

[Hibernate Quickly](#)

[Java Persistence With](#)

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[Hibernate](#)

[For Hibernate 5](#)

[Techniques for scaling](#)

[and optimizing Spring](#)

[and Spring Boot](#)

[applications](#)

[Netty in Action](#)

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[More than 70 solutions
to common Hibernate
problems](#)
[A Developer's Notebook](#)

Pro JPA 2, Second Edition introduces,
explains, and demonstrates how to use

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the new Java Persistence API (JPA) 2.1 from the perspective of one of the specification creators. A one-of-a-kind resource, it provides both theoretical and extremely practical coverage of JPA usage for both beginning and advanced developers. Authors Mike Keith and Merrick Schincariol take a

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hands-on approach, based on their wealth of experience and expertise, by giving examples to illustrate each concept of the API and showing how it is used in practice. The examples use a common model from an overriding sample application, giving readers a context from which to start and helping

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them to understand the examples within an already familiar domain. After completing the book, you will have a full understanding of JPA and be able to successfully code applications using its annotations and APIs. The book also serves as an excellent reference guide during initial and later JPA application

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experiences. Hands-on examples for all aspects of the JPA specification Expert insight about various aspects of the API and when they are useful Portability hints to provide increased awareness of the potential for non-portable JPA code What you'll learn How to get started with enterprise applications using JPA

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**2.1 Simple and advanced
object–relational mapping techniques
How to use the complete Entity
Manager API How to create queries
using the query language (JP QL) and
the Criteria API Locking, concurrency,
and other advanced concepts How to
use XML mapping files and descriptors**

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How to package and deploy your Java Persistence applications How to test your Java Persistence applications Who this book is for The book generally targets enterprise and persistence developers who fall in one of three categories: Those who are new to persistence; we will offer an

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introduction to persistence and to the basic concepts so these readers can have solid base from which to become proficient at JPA. Those who know and/or use existing ORM persistence products such as Hibernate or TopLink/EclipseLink. Those who have already used JPA and want to learn

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about newer features introduced by JPA 2.1, or have a good reference book to consult when they develop JPA applications. In general, we assume that the reader is knowledgeable with Java, SQL, and JDBC, and has a little knowledge of Java EE. Table of Contents Introduction Getting Started

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**Enterprise Applications Object
Relational Mapping Collection Mapping
Entity Manager Using Queries Java
Persistence Query Language Criteria
Advanced Object Relational Mapping
Advanced Queries Advanced Topics
XML Mapping Files Packaging and
Deployment Testing**

Where To Download Java Persistence With Hibernate

Learn how to use the core Hibernate APIs and tools as part of the Spring Framework. This book illustrates how these two frameworks can be best utilized. Other persistence solutions available in Spring are also shown including the Java Persistence API (JPA). Spring Persistence with

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Hibernate, Second Edition has been updated to cover Spring Framework version 4 and Hibernate version 5. After reading and using this book, you'll have the fundamentals to apply these persistence solutions into your own mission-critical enterprise Java applications that you build using

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Spring. Persistence is an important set of techniques and technologies for accessing and using data, and ensuring that data is mobile regardless of specific applications and contexts. In Java development, persistence is a key factor in enterprise, e-commerce, and other transaction-oriented applications.

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Today, the agile and open source Spring Framework is the leading out-of-the-box, open source solution for enterprise Java developers; in it, you can find a number of Java persistence solutions.

What You'll Learn Use Spring Persistence, including using persistence tools in Spring as well as choosing the

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best Java persistence frameworks outside of Spring Take advantage of Spring Framework features such as Inversion of Control (IoC), aspect-oriented programming (AOP), and more Work with Spring JDBC, use declarative transactions with Spring, and reap the benefits of a lightweight

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persistence strategy Harness Hibernate and integrate it into your Spring-based enterprise Java applications for transactions, data processing, and more Integrate JPA for creating a well-layered persistence tier in your enterprise Java application Who This Book Is For This book is ideal for

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developers interested in learning more about persistence framework options on the Java platform, as well as fundamental Spring concepts. Because the book covers several persistence frameworks, it is suitable for anyone interested in learning more about Spring or any of the frameworks

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covered. Lastly, this book covers advanced topics related to persistence architecture and design patterns, and is ideal for beginning developers looking to learn more in these areas.

This book is written for users experienced in using Java with databases but inexperienced in the use

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of the open source, lightweight Hibernate, the most popular de-facto object-relational mapping and database-oriented application development framework. The book has plentiful examples and handy reference sections, including a comprehensive reference for Hibernate O/R mapping strategies.

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Beginning Hibernate 3 is packed with brand-new information on the latest release of the Hibernate persistence layer and provides a clear introduction to the de facto standard for object relational persistence in Java. Readers will get started right away with building transaction-based engines and

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applications.

Describes the features and functions of Hibernate, covering such topics as performing object/relational mapping, working with groups, using Hibernate Query Language, connecting Hibernate to MySQL, and installing Maven.

Understanding how transaction

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management works in Java and developing an effective transaction design strategy can help to avoid data integrity problems in your applications and databases and ease the pain of inevitable system failures. This book is about how to design an effective transaction management strategy using

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the transaction models provided by Java-based frameworks such as EJB and Spring. Techniques, best practices, and pitfalls with each transaction model will be described. In addition, transaction design patterns will bring all these concepts and techniques together and describe how to use these

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models to effectively manage transactions within your EJB or Spring-based Java applications. The book covers:

- The local transaction model**
- The programmatic transaction model**
- The declarative transaction model**
- XA Transaction Processing**
- Transaction Design Patterns**

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This book is the second edition to my previous book: Java Persistence with JPA (Outskirts Press, Denver, March 2010, ISBN: 978-1-4327-5585-0). It adds the new features of JPA 2.1, reorganizes some existing chapters, and updates code examples and tools. The goal of this book is to provide a concise and

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comprehensive coverage of JPA 2.1, which is part of Java EE 7 but can be used in Java SE as well. Concepts are illustrated through code examples for easy understanding. It may serve as an introductory text for Java developers who do not know anything about JPA, and a reference book for experienced

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JPA developers who may look up for concepts and code snippets while they develop complex JPA applications. This book covers Java Persistence API 2.1, the latest Java technology on persisting Java objects to relational databases. This is a new Java persistence standard based on object-relational mapping and

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utilizing object-oriented features of Java. It is expected to gradually replace JDBC and proprietary object-relational mapping frameworks and libraries for most Java applications with database access. JPA makes software development fun and leads to improved productivity. The book introduces

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concepts, techniques, and application trade-offs in a manner that is easy to understand and provides many code examples for an online book ordering system. The Java source code and database DDL scripts are freely downloadable from the author's web site. The book contains instructions on

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how to run the code examples so that the reader can easily learn the concepts through running the code. The book is suitable for Java developers and architects who want to learn this new and standard technology, but may not have prior knowledge of JPA. This book is also aimed at experienced JPA

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developers who may use this book as a reference, by providing complete coverage of JPA 2.1. It has a special chapter on JPA design patterns and performance tuning. This book will prove to be valuable for novice a

The Java EE 7 Tutorial: Volume 2, Fifth Edition, is a task-oriented,

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example-driven guide to developing enterprise applications for the Java Platform, Enterprise Edition 7 (Java EE 7). Written by members of the Java EE documentation team at Oracle, this book provides new and intermediate Java programmers with a deep understanding of the platform. This

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guide includes descriptions of platform features and provides instructions for using the latest versions of NetBeans IDE and GlassFish Server Open Source Edition. The book introduces Enterprise JavaBeans components, the Java Persistence API, the Java Message Service (JMS) API, Java EE security,

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transactions, resource adapters, Java EE Interceptors, Batch Applications for the Java Platform, and Concurrency Utilities for Java EE. The book culminates with three case studies that illustrate the use of multiple Java EE 7 APIs.

A high-performance data access layer

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must resonate with the underlying database system. Knowing the inner workings of a relational database and the data access frameworks in use can make the difference between a high-performance enterprise application and one that barely crawls. This book is a journey into Java data access

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performance tuning. From connection management, to batch updates, fetch sizes and concurrency control mechanisms, it unravels the inner workings of the most common Java data access frameworks. The first part aims to reduce the gap between application developers and database

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administrators. For this reason, it covers both JDBC and the database fundamentals that are of paramount importance when reducing transaction response times. In this first part, you'll learn about connection management, batch updates, statement caching, result set fetching and database transactions.

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The second part demonstrates how you can take advantage of JPA and Hibernate without compromising application performance. In this second part, you'll learn about the most efficient Hibernate mappings (basic types, associations, inheritance), fetching best practices, caching and

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concurrency control mechanisms. The third part is dedicated to jOOQ and its powerful type-safe querying capabilities, like window functions, common table expressions, upsert, stored procedures and database functions.

[Optimize Java Persistence Performance](#)

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[in Spring Boot Applications](#)

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[Spring Persistence with Hibernate](#)

[Java Persistence for Relational](#)

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[Databases](#)

[Akka in Action](#)

[Jpa 101](#)

[A Problem-Solution Approach](#)

[Java 11 Cookbook](#)

*A hands-on guide to
creating, monitoring, and
tuning a high performance*

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*Spring web application Key
Features Understand common
performance pitfalls and
improve your application's
performance Build and deploy
strategies for complex
applications using the
microservice architecture*

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*Understand internals of JVM
- the core of all Java
Runtime Environments Book
Description While writing an
application, performance is
paramount. Performance
tuning for real-world
applications often involves*

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activities geared toward detecting bottlenecks. The recent release of Spring 5.0 brings major advancements in the rich API provided by the Spring framework, which means developers need to master its tools and

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techniques to achieve high performance applications. Hands-On High Performance with Spring 5 begins with the Spring framework's core features, exploring the integration of different Spring projects. It proceeds

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to evaluate various Spring specifications to identify those adversely affecting performance. You will learn about bean wiring configurations, aspect-oriented programming, database interaction, and

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Hibernate to focus on the metrics that help identify performance bottlenecks. You will also look at application monitoring, performance optimization, JVM internals, and garbage collection optimization.

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Lastly, the book will show you how to leverage the microservice architecture to build a high performance and resilient application. By the end of the book, you will have gained an insight into various techniques and

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*solutions to build and
troubleshoot high
performance Spring-based
applications. What you will
learn Master programming
best practices and
performance improvement with
bean wiring Analyze the*

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*performance of various AOP
implementations Explore
database interactions with
Spring to optimize design
and configuration Solve
Hibernate performance issues
and traps Leverage
multithreading and*

Where To Download Java Persistence With Hibernate

*concurrent programming to
improve application
performance Gain a solid
foundation in JVM
performance tuning using
various tools Learn the key
concepts of the microservice
architecture and how to*

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*monitor them Perform Spring
Boot performance tuning,
monitoring, and health
checks Who this book is for
If you're a Spring developer
who'd like to build high
performance applications and
have more control over your*

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application's performance in production and development, this book is for you. Some familiarity with Java, Maven, and Eclipse is necessary.

Persistence -- the ability of data to outlive an

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instance of a program -- is central to modern applications. Hibernate, the most popular Java persistence tool, provides automatic and transparent object/relational mapping so it's a snap to work with SQL

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databases in Java applications. Hibernate conforms to the new EJB 3.0 and Java Persistence 1.0 standards. Java Persistence with Hibernate explores Hibernate by developing an application that ties

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together hundreds of individual examples. You'll immediately dig into the rich programming model of Hibernate 3.2 and Java Persistence, working through queries, fetching strategies, caching,

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*transactions, conversations,
and more. You'll also
appreciate the well-
illustrated discussion of
best practices in database
design, object/relational
mapping, and optimization
techniques. In this revised*

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edition of Manning's bestselling Hibernate in Action, authors Christian Bauer and Gavin King -- the founder of the Hibernate project -- cover Hibernate 3.2 in detail along with the EJB 3.0 and Java Persistence

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1.0 standards.

*A concise introduction to
Hibernate's many
configuration and design
options distills the open
source object/relational
persistence and query
service into digestible*

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pieces with many code examples, practical usage scenarios, and coverage of the tools available. Original. (Advanced) McKenzie brings to light the idea that a technology that is fun and easy to use

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should also be fun and easy to learn. Building upon simple, straightforward examples, this book explores the key concepts needed to leverage the Hibernate framework. (Computer Books) Java is one of the most

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widely accepted languages because of its design and programming features. This book offers a range of software development examples in simple and straightforward Java 11 code, providing step-by-step

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resources and time-saving methods to help you solve data problems efficiently. Summary Akka in Action is a comprehensive tutorial on building message-oriented systems using Akka. The book takes a hands-on approach,

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where each new concept is followed by an example that shows you how it works, how to implement the code, and how to (unit) test it.

Purchase of the print book includes a free eBook in PDF, Kindle, and ePub

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formats from Manning Publications. About the Technology Akka makes it relatively easy to build applications in the cloud or on devices with many cores that efficiently use the full capacity of the

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*computing power available.
It's a toolkit that provides
an actor programming model,
a runtime, and required
support tools for building
scalable applications. About
the Book Akka in Action
shows you how to build*

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message-oriented systems with Akka. This comprehensive, hands-on tutorial introduces each concept with a working example. You'll start with the big picture of how Akka works, and then quickly

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build and deploy a fully functional REST service out of actors. You'll explore test-driven development and deploying and scaling fault-tolerant systems. After mastering the basics, you'll discover how to model

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immutable messages, implement domain models, and apply techniques like event sourcing and CQRS. You'll also find a tutorial on building streaming applications using akka-stream and akka-http.

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Finally, you'll get practical advice on how to customize and extend your Akka system. What's Inside Getting concurrency right Testing and performance tuning Clustered and cloud-based applications Covers Akka

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*version 2.4 About the Reader
This book assumes that
you're comfortable with Java
and Scala. No prior
experience with Akka
required. About the Authors
A software craftsman and
architect, Raymond*

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Roostenburg is an Akka committer. Rob Bakker specializes in concurrent back-end systems and systems integration. Rob Williams has more than 20 years of product development experience. Table of

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patterns for actors Routing**

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*messages Message channels
Finite-state machines and
agents System integration
Streaming Clustering Actor
persistence Performance tips
Looking ahead
Java Persistence with
Hibernate Simon and Schuster*

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Spring Persistence with Hibernate is an easy-to-follow, step-by-step, and example-rich guide to using Spring and Hibernate to build robust and effective Java applications. Furthermore, the book can be

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used as reference in areas where developers need help. All the topics explained in the book are demonstrated with practical examples and uncomplicated figures. The book is primarily for Spring developers and users who

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want to persist using the popular Hibernate persistence framework. Java, Hibernate, JPA, Spring, and open source developers in general will also find the book useful.

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and JDO](#)

*If you're looking for a
short, sweet, and simple
introduction (or*

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reintroduction) to Hibernate, this is the book you want. Through clear real-world examples, you'll learn Hibernate and object-relational mapping from the ground up,

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starting with the basics. Then you'll dive into the framework's moving parts to understand how they work in action. Storing Java objects in relational databases is usually a

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*challenging and complex
task for any Java
developer, experienced or
not. This book, like
others in the Just series,
delivers a concise,
example-driven tutorial*

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for Java beginners. You'll gain enough knowledge and confidence to start working on real-world projects with Hibernate. Compare how JDBC and Hibernate work with object

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Learn how annotations are used to create Hibernate applications Understand how to persist and retrieve Java data structures Focus on the

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*fundamentals of
associations and their
mappings Delve into
advanced concepts such as
caching, inheritance, and
types Walk through the
Hibernate Query Language*

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API, with examples Develop Java Persistence API applications, using Hibernate as the provider Work hands-on with code snippets to understand the technology

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Java Persistence with Hibernate explores Hibernate by developing an application that ties together hundreds of individual examples. You'll immediately dig

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into the rich programming model of Hibernate 3.2 and Java Persistence, working through queries, fetching strategies, caching, transactions, conversations, and more.

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You'll also appreciate the well-illustrated discussion of best practices in database design, object/relational mapping, and optimization techniques.

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Learn how to correctly utilize the most popular Object-Relational Mapping tool for your Enterprise application About This Book Understand the internals of Hibernate and

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*its architecture, and how
it manages Entities,
Events, Versioning,
Filters, and Cache Observe
how Hibernate bridges the
gap between object-
oriented concepts and*

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*relational models Discover
how Hibernate can address
architectural concerns
such as Transaction,
Database Multi-tenancy,
Clustering, and Database
Shards Who This Book Is*

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For Mastering Hibernate is intended for those who are already using or considering using Hibernate as the solution to address the problem of Object Relational Mapping.

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*If you are already using
Hibernate, this book will
help you understand the
internals and become a
power user of Hibernate.*

What You Will Learn

Understand the internals

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*of a Hibernate session and
how Entities are managed
Declare better mapping
between entity classes and
database tables Manage
entity associations and
collections Fetch data not*

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just by entity ID, but also using HQL, Criteria Objects, Filters, and Native SQL Observe the first and second level caches and find out how to manage them Collect

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statistics and metrics data for further observation Make your application work with multi-tenant databases In Detail Hibernate has been so successful since its

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inception that it even influenced the Java Enterprise Edition specification in that the Java Persistence API was dramatically changed to do it the Hibernate way.

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Hibernate is the tool that solves the complex problem of Object Relational Mapping. It can be used in both Java Enterprise applications as well as .Net applications.

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Additionally, it can be used for both SQL and NoSQL data stores. Some developers learn the basics of Hibernate and hit the ground quickly. But when demands go beyond

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the basics, they take a reactive approach instead of learning the fundamentals and core concepts. However, the secret to success for any good developer is knowing

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*and understanding the
tools at your disposal.
It's time to learn about
your tool to use it better
This book first explores
the internals of Hibernate
by discussing what occurs*

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inside a Hibernate session and how Entities are managed. Then, we cover core topics such as mapping, querying, caching, and we demonstrate how to use a

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wide range of very useful annotations. Additionally, you will learn how to create event listeners or interceptors utilizing the improved architecture in the latest version of

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Hibernate. Style and approach This book takes a close look at the core topics, and helps you understand the complex topics by showing you examples and giving you in-

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depth discussions.

A guide to using Hibernate and Java Persistence covers such topics as ORM, application architecture, and developer tools. Enterprise and web

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applications require full-featured, "Google-quality" search capabilities, but such features are notoriously difficult to implement and maintain. Hibernate Search

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*builds on the Lucene
feature set and offers an
easyto-implement interface
that integrates seamlessly
with Hibernate-the
leadingdata persistence
solution for Java*

Where To Download Java Persistence With Hibernate

*applications. Hibernate
Search in Action
introduces both the
principles of enterprise
search and the
implementation details a
Java developer will need*

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to use HibernateSearch effectively. This book blends the insights of the Hibernate Search leaddeveloper with the practical techniques required to index and

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*manipulate data, assemble
and execute search
queries, and create smart
filters for better
searchresults. Along the
way, the reader masters
performance-boosting*

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*concepts like using
Hibernate Search in a
clustered environment and
integrating with
the features already in
your applications. This
book assumes you're a*

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competent Java developer with some experience using Hibernate and Lucene.

Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also

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*available is all code from
the book.*

*Over 50 recipes to help
you build dynamic and
powerful real-time Java
Hibernate applications
About This Book Learn to*

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*associate JDBC and
Hibernate with object
persistence Manage
association mappings,
implement basic
annotations and learn
caching Get to grips with*

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*Hibernate fundamentals
from installation to
developing a business
application with this step-
by-step guide Who This
Book Is For This is book
for Java developers who*

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*now want to learn
Hibernate. Good knowledge
and understanding of Java
is preferred to allow
efficient programming of
the core elements and
applications; it would be*

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helpful if readers are familiar with the basics of SQL. What You Will Learn Set up and install Hibernate on your system and explore different ways in which Hibernate can be

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configured Learn the basic concepts and fundamentals of Java Hibernate Define mappings without a use of XML file using Annotations Persist collection elements such as list,

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*map, set and array Explore
the various mapping
options and learn to work
with Hibernate
associations Understand
advanced Hibernate
concepts such as caching*

Where To Download Java Persistence With Hibernate

*and inheritance Develop an
engaging and robust real-
world hibernate
application based on a
common business scenario
Integrate Hibernate with
other frameworks to*

Where To Download Java Persistence With Hibernate

*develop robust enterprise applications In Detail
Hibernate is a database independent technology, so the same code will work for all databases. It helps a Java developer*

Where To Download Java Persistence With Hibernate

*write a query by mapping
Java bean to database
tables and help create
tuned queries that boost
performance. Even with
limited SQL knowledge one
can easily perform*

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database operations. This makes the development faster and more accurate than JDBC. Hibernate supports useful features like connection pooling, caching, and inheritance

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etc. This book will provide a useful hands-on guide to Hibernate to accomplish the development of a real-time Hibernate application. We will start with the basics of

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Hibernate, which include setting up Hibernate – the pre-requisites and multiple ways of configuring Hibernate using Java. We will then dive deep into the

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*fundamentals of Hibernate
such as SessionFactory,
session, criteria, working
with objects and criteria.
This will help a developer
have a better
understanding of how*

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Hibernate works and what needs to be done to run a Hibernate application. Moving on, we will learn how to work with annotations, associations and collections. In the

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final chapters, we will see explore querying, advanced Hibernate concepts and integration with other frameworks.
Style and approach This book is a practical guide

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filled with carefully organized step-by-step instructions. All recipes are arranged in an easy-to understand and clear manner allowing you to apply the solutions to

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*other situations.
Pro JPA 2 introduces,
explains, and demonstrates
how to use the Java
Persistence API (JPA). JPA
provides Java developers
with both the knowledge*

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and insight needed to write Java applications that access relational databases through JPA. Authors Mike Keith and Merrick Schincariol take a hands-on approach to

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*teaching by giving
examples to illustrate
each concept of the API
and showing how it is used
in practice. All of the
examples use a common
model from an overriding*

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sample application, giving readers a context from which to start and helping them to understand the examples within an already familiar domain. After completing the book, you

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will have a full understanding and be able to successfully code applications using JPA. The book also serves as a reference guide during initial and later JPA

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*application experiences.
Hands-on examples for all
the aspects of the JPA
specification, based on
the reference
implementation of this
specification A special*

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*section on migration to
JPA Expert insight about
various aspects of the API
and when they are useful
Portability hints to
provide increased
awareness of the potential*

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for non-portable JPA code
Summary Java Persistence with Hibernate, Second Edition explores Hibernate by developing an application that ties together hundreds of

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individual examples. In this revised edition, authors Christian Bauer, Gavin King, and Gary Gregory cover Hibernate 5 in detail with the Java Persistence 2.1 standard

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PDF, Kindle, and ePub formats from Manning Publications.

Persistence—the ability of data to outlive an instance of a program—is central to modern

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applications. Hibernate, the most popular Java persistence tool, offers automatic and transparent object/relational mapping, making it a snap to work with SQL databases in Java

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examples. You'll immediately dig into the rich programming model of Hibernate, working through mappings, queries, fetching strategies, transactions,

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conversations, caching, and more. Along the way you'll find a well-illustrated discussion of best practices in database design and optimization techniques. In this

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*revised edition, authors
Christian Bauer, Gavin
King, and Gary Gregory
cover Hibernate 5 in
detail with the Java
Persistence 2.1 standard
(JSR 338). All examples*

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*have been updated for the
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EE specification versions.
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database application*

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*design Comprehensive
Hibernate and Java
Persistence reference
Integration of Java
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JSF, and JAX-RS *
Unmatched breadth and*

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depth About the Reader The book assumes a working knowledge of Java. About the Authors Christian Bauer is a member of the Hibernate developer team and a trainer and

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consultant. Gavin King is the founder of the Hibernate project and a member of the Java Persistence expert group (JSR 220). Gary Gregory is a principal software

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*engineer working on
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Summary Netty in Action introduces the Netty framework and shows you how to incorporate it into your Java network applications.

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You'll learn to write highly scalable applications without the need to dive into the low-level non-blocking APIs at the core of Java. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub

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formats from Manning Publications. About the Technology Netty is a Java-based networking framework that manages complex networking, multithreading, and concurrency for your applications. And Netty

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hides the boilerplate and low-level code, keeping your business logic separate and easier to reuse. With Netty, you get an easy-to-use API, leaving you free to focus on what's unique to your application. About the Book

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Netty in Action introduces the Netty framework and shows you how to incorporate it into your Java network applications. You will discover how to write highly scalable applications without getting into low-

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level APIs. The book teaches you to think in an asynchronous way as you work through its many hands-on examples and helps you master the best practices of building large-scale network apps. What's Inside Netty

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*from the ground up
Asynchronous, event-driven
programming Implementing
services using different
protocols Covers Netty 4.x
About the Reader This book
assumes readers are
comfortable with Java and*

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*basic network architecture.
About the Authors Norman
Maurer is a senior software
engineer at Apple and a core
developer of Netty. Marvin
Wolfthal is a Dell Services
consultant who has
implemented mission-critical*

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A guide to using Hibernate
covers such topics as ORM,
application architecture,
and developer tools.*

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This guide walks the reader through the ins and outs of using Hibernate, from installation and configuration, to complex associations and composite types.

*Java Persistence – механизм,
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*помогающий обеспечить
сохранность данных после
завершения программы, что
является главной чертой
современных приложений.
Hibernate – наиболее
популярный инструмент Java
для работы с базами данных,*

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*предоставляющим
автоматическое прозрачное
объектно-реляционное
отображение, что значительно
упрощает работу с SQL-базами
данных в приложениях Java.
Данная книга описывает
разработку приложения с*

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использованием Hibernate, связывая воедино сотни отдельных примеров. Также вы найдете хорошо иллюстрированное обсуждение лучших методик проектирования баз данных и методов оптимизации. Издание

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*предназначено разработчикам,
знакомым с языком Java.*

Sperko focuses on the overall problem of how to store the primary component of any Java application, the Java object, in the most common business tool: the

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relational database. Hibernate continues to be the most popular out-of-the-box framework solution for Java Persistence and data/database accessibility techniques and patterns. It is used for e-commerce-based

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web applications as well as heavy-duty transactional systems for the enterprise. Gary Mak, the author of the best-selling Spring Recipes, now brings you Hibernate Recipes. This book contains a collection of code recipes

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and templates for learning and building Hibernate solutions for you and your clients. This book is your pragmatic day-to-day reference and guide for doing all things involving Hibernate. There are many

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books focused on learning Hibernate, but this book takes you further and shows how you can apply it practically in your daily work.

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[Spring Boot Persistence Best](#)

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