

JAVA PERSISTENCE WITH HIBERNATE

SECOND EDITION

Christian Bauer
Gavin King
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Foreword by Linda DeMichiel



Java Persistence With Hibernate Second Edition Meap

A Loxley



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Java Persistence with Hibernate, Second Edition Gary Gregory, Christian Bauer, 2015 Java Persistence with Hibernate Second Edition explores Hibernate by developing an application that ties together hundreds of individual examples You ll immediately dig into the rich programming model of Hibernate working through mappings queries fetching strategies transactions 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 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 have been updated for the latest Hibernate and Java EE specification versions *Java Persistence with Hibernate* Gary Gregory, Christian Bauer, 2015-10-27 Summary Java Persistence with Hibernate Second Edition explores Hibernate by developing an application that ties together hundreds of 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 JSR 338 All examples have been updated for the latest Hibernate and Java EE specification versions About the Technology Purchase of the print book includes a free eBook in PDF Kindle and ePub formats from Manning Publications Persistence the ability of data to outlive an instance of a program is central to modern 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 applications About the Book Java Persistence with Hibernate Second Edition explores Hibernate by developing an application that ties together hundreds of individual examples You ll immediately dig into the rich programming model of Hibernate working through mappings queries fetching strategies transactions 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 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 have been updated for the latest Hibernate and Java EE specification versions What s Inside Object relational mapping concepts Efficient database application design Comprehensive Hibernate and Java Persistence reference Integration of Java Persistence with EJB CDI JSF and JAX RS Unmatched breadth and 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 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 engineer working on application servers and legacy integration Table of Contents PART 1 GETTING STARTED WITH ORM Understanding object relational persistence Starting a project Domain models and metadata PART 2 MAPPING STRATEGIES Mapping persistent classes Mapping value types Mapping inheritance Mapping collections and entity associations Advanced entity association mappings Complex and legacy schemas PART 3 TRANSACTIONAL DATA PROCESSING Managing data Transactions and concurrency Fetch plans strategies and profiles Filtering data PART 4 WRITING QUERIES Creating and

executing queries The query languages Advanced query options Customizing SQL

Spring Persistence with Hibernate Paul Fisher, Brian D. Murphy, 2011-02-01 Persistence is an important set of techniques and technologies for accessing and transacting 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 Today the Spring framework is the leading out of the box solution for enterprise Java developers in it you can find a number of Java Persistence solutions This book gets you rolling with fundamental Spring Framework 3 concepts and integrating persistence functionality into enterprise Java applications using Hibernate the Java™ Persistence API JPA 2 and the Grails Object Relational Mapping tool GORM Covers core Hibernate fundamentals demonstrating how the framework can be best utilized within a Spring application context Covers how to use and integrate JPA 2 found in the new Java EE 6 platform Covers how to integrate and use the new Grails persistence engine GORM

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Gavin King and Gary Gregory are the authors of Java Persistence with Hibernate Second Edition on which this book is based

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Hibernate Recipes Gary Mak, Srinivas Guruzu, 2010-08-11 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 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 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 books focused on learning Hibernate but this book takes you further and shows how you can apply it practically in your daily work

Pro JPA 2 Mike Keith, Merrick Schincariol, 2013-09-24 Pro JPA 2 Second Edition introduces explains and demonstrates how to use 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 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 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 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 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 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 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 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

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Java Persistence with Jpa 2.1 Daoqi Yang, 2013-09 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 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 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 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 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 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 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

Beginning Hibernate Jeff Linwood, 2010 Beginning Hibernate Second Edition is ideal if you're experienced in Java with databases the traditional or connected approach but new to open source lightweight Hibernate the de facto object relational mapping and database oriented application development framework This book packs in information about the release of the Hibernate 3.5 persistence layer and provides a clear introduction to the current standard for object relational persistence in Java And since the book keeps its focus on Hibernate without wasting time on nonessential third party tools

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