

# Hibernate Recipes A Problem Solution Approach 1st Edition

Optimize Java Persistence Performance in Spring Boot Applications  
 Learn Microservices with Spring Boot  
 Spring Integration in Action  
 Pro C# 5.0 and the .NET 4.5 Framework  
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 Pro Spring MVC: With Web Flow  
 More than 70 solutions to common Hibernate problems  
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 Practical recipes for enterprise Java developers to deliver large scale applications with Jakarta EE, 2nd Edition  
 Jakarta EE Cookbook  
 Pro Spring 5  
 A Practical Approach to RESTful Services using RabbitMQ, Eureka, Ribbon, Zuul and Cucumber  
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 Apache Camel Developer's Cookbook  
 Protect your web applications using Spring Security  
 Agile Java Development with Spring, Hibernate and Eclipse  
 Just Hibernate  
 Agile Principles, Patterns, and Practices in C#

*Hibernate Recipes A Problem Solution Approach 1st Edition*

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## WARE GARDNER

### Optimize Java Persistence Performance in Spring Boot Applications Apress

This strategy guide helps developers to solve Struts problems and highlights the best practices to ensure that applications are secure, robust, and maintainable. Detailed code listings are designed to save developers time and money by jumping straight to the answer. In addition to a solution, each recipe clearly defines the business problem, provides the necessary background to understand the recipe, and discusses the implications of using the solution, and recipes reveal every layer of the model view controller (2) design pattern. Detailed descriptions are also provided for using basic and extended tag libraries (including Struts-Layout), using Ant with Struts, validation, security, and complex problem solving. All of the recipes contained in the book have been used and implemented in enterprise level applications so that they can be used with confidence. Recipes include: \* How to automate your projects using Ant builds \* Cross validate your forms with a pluggable validator \* Unit testing your apps for function, performance, and coverage \* Make your applications secure \* How to effectively deal with exceptions \* Generate alternate view using PDF and XSL \* Refine your UI with Struts-Layout \* How do design a layered Struts application \* Understand the ins and out of the Tiles Controller \* Use a database in your message-resource \* Integration with Hibernate \* Use a Struts plug-in to cache resources \*Extend the iterate tag to alternate row colors \* Use the SSL extension library \* Learn about the undocumented Validator constants \* Create a wizard .... and much more!  
[Learn Microservices with Spring Boot](#) Packt Publishing Ltd

Whether you're relatively new to git or you need a refresher, or if you just need a quick, handy reference for common tasks in git, *Git Recipes* is just the reference book you need. With recipes to cover any task you can think of, including working with GitHub and git on BitBucket, *Git Recipes* shows you how to work with large repositories, new repositories, forks, clones, conflicts, differences, and it even gives you practical scenarios you may find yourself dealing with while using git. If you work with Git at all, you need this hands-on, practical reference for all things Git.

### Spring Integration in Action Apress

Over 90 incredible and powerful recipes to help you efficiently use NHibernate in your application About This Book Master the full range of NHibernate features through detailed example recipes that you can quickly apply to your own applications Reduce hours of application development time and get a better application architecture and improved performance Create, maintain, and update your database structure automatically with the help of NHibernate Who This Book Is For This book is written for .NET developers who want to use NHibernate and those who want to deepen their knowledge of the platform. Examples are written in C# and XML. Some basic knowledge of SQL is assumed. If you build .NET applications that use relational databases, this book is for you. What You Will Learn Create a persistent object model to move data in and out of your database Build the database from your model automatically Configure NHibernate for use with WebForms, MVC, WPF, and WinForms applications Create database queries using a variety of methods Improve the performance of your applications using a variety of techniques Build an infrastructure for fast, easy, test-driven development of your data access layer Implement entity validation, auditing, full-text search, horizontal partitioning (sharding), and spatial queries using NHibernate Contrib projects In Detail NHibernate is a mature, flexible, scalable, and feature-complete open source project for data access. Although it sounds like an easy task to build and maintain database applications, it can be challenging to get beyond the basics and develop applications that meet your needs perfectly. NHibernate allows you to use plain SQL and stored procedures less and keep focus on your application logic instead. Learning the best practices for a NHibernate-based application will help you avoid problems and ensure that your project is a success. The book will take you from the absolute basics of NHibernate through to its most advanced features, showing you how to take full

advantage of each concept to quickly create amazing database applications. You will learn several techniques for each of the four core NHibernate tasks—configuration, mapping, session and transaction management, and querying—and which techniques fit best with various types of applications. In short, you will be able to build an application using NHibernate by the end of the book. You will also learn how to best implement enterprise application architecture patterns using NHibernate, leading to clean, easy-to-understand code and increased productivity. In addition to new features, you will learn creative ways to extend the NHibernate core, as well as gaining techniques to work with the NHibernate search, shards, spatial, envers, and validation projects. Style and approach This book contains recipes with examples organized in functional areas, each containing step-by-step instructions on everything necessary to execute a particular task. The book is designed so you can read it from start to end or just open up any chapter and start following the recipes.

### Pro C# 5.0 and the .NET 4.5 Framework Apress

Summary Spring in Practice shows you how to tackle the challenges you face when you build Spring-based applications. The book empowers software developers to solve concrete business problems by mapping application-level issues to Spring-centric solutions. It diverges from other cookbooks because it presents the background you need to understand the domain in which a solution applies before it offers the specific steps to solve the problem. About this Book Spring in Practice covers 66 Spring development techniques and the practical issues you will encounter when using them. The book starts with three carefully crafted introductory chapters to get you up to speed on the fundamentals. And then, the core of the book takes you step-by-step through the important, practical techniques you will use no matter what type of application you're building. You'll hone your Spring skills with examples on user accounts, security, NoSQL data stores, and application integration. Along the way, you'll explore Spring-based approaches to domain-specific challenges like CRM, configuration management, and site reliability. What's Inside Covers Spring 3 Successful outcomes with integration testing Dozens of web app techniques using Spring MVC Practical examples and real-world context How to work effectively with data Each technique highlights something new or interesting about Spring and focuses on that concept in detail. This book assumes you have a good foundation in Java and Java EE. Prior exposure to Spring Framework is helpful but not required. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Authors Willie Wheeler is a Principal Applications Engineer with 16 years of experience in Java/Java EE and Spring Framework. Joshua White is a Solutions Architect in the financial and health services industries. He has worked with Spring Framework since its inception in 2002. Table of Contents Introducing Spring; the dependency injection container Data persistence, ORM, and transactions Building web applications with Spring Web MVC Basic web forms Enhancing Spring MVC applications with Web Flow Authenticating users Authorizing user requests Communicating with users and customers Creating a rich-text comment engine Integration testing Building a configuration management database Building an article-delivery engine Enterprise integration Creating a Spring-based "site-up" framework

### Hibernate Recipes Apress

Master Spring basics and core topics, and share the authors' insights and real-world experiences with remoting, Hibernate, and EJB. Beyond the basics, you'll learn how to leverage the Spring Framework to build the various tiers and parts of an enterprise Java application: transactions, web and presentation tiers, deployment, and much more. A full sample application allows you to apply many of the technologies and techniques covered in *Pro Spring 5* and see how they work together. This book updates the perennial bestseller with the latest that the new Spring Framework 5 has to offer. Now in its fifth edition, this popular title is by far the most comprehensive and definitive treatment of Spring available. It covers the new functional web framework and interoperability with Java 9. After reading this definitive book, you'll be armed with the power of Spring to build complex

Spring applications, top to bottom. The agile, lightweight, open-source Spring Framework continues to be the de facto leading enterprise Java application development framework for today's Java programmers and developers. It works with other leading open-source, agile, and lightweight Java technologies such as Hibernate, Groovy, MyBatis, and more. Spring now works with Java EE and JPA 2 as well. What You'll Learn Discover what's new in Spring Framework 5 Use the Spring Framework with Java 9 Master data access and transactions Work with the new functional web framework Create microservices and other web services Who This Book Is For Experienced Java and enterprise Java developers and programmers. Some experience with Spring highly recommended. Apress

With the award-winning book *Agile Software Development: Principles, Patterns, and Practices*, Robert C. Martin helped bring Agile principles to tens of thousands of Java and C++ programmers. Now .NET programmers have a definitive guide to agile methods with this completely updated volume from Robert C. Martin and Micah Martin, *Agile Principles, Patterns, and Practices in C#*. This book presents a series of case studies illustrating the fundamentals of Agile development and Agile design, and moves quickly from UML models to real C# code. The introductory chapters lay out the basics of the agile movement, while the later chapters show proven techniques in action. The book includes many source code examples that are also available for download from the authors' Web site. Readers will come away from this book understanding Agile principles, and the fourteen practices of Extreme Programming Spiking, splitting, velocity, and planning iterations and releases Test-driven development, test-first design, and acceptance testing Refactoring with unit testing Pair programming Agile design and design smells The five types of UML diagrams and how to use them effectively Object-oriented package design and design patterns How to put all of it together for a real-world project Whether you are a C# programmer or a Visual Basic or Java programmer learning C#, a software development manager, or a business analyst, *Agile Principles, Patterns, and Practices in C#* is the first book you should read to understand agile software and how it applies to programming in the .NET Framework.

**Hibernate Recipes** "O'Reilly Media, Inc."

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.

*Hibernate Tips* Simon and Schuster

Over 70 recipes for implementing the most important functionalities of Alfresco. Apress

*Pro Spring MVC: With Web Flow* Pearson Education

*Agile Java™ Development With Spring, Hibernate and Eclipse* is a book about robust technologies and effective methods which help bring simplicity back into the world of enterprise Java development. The three key technologies covered in this book, the Spring Framework, Hibernate and Eclipse, help reduce the complexity of enterprise Java development significantly. Furthermore, these technologies enable plain old Java objects (POJOs) to be deployed in light-weight containers versus heavy-handed remote objects that require heavy EJB containers. This book also extensively covers technologies such as Ant, JUnit, JSP tag libraries and touches upon other areas such as such logging, GUI based debugging, monitoring using JMX, job scheduling, emailing, and more. Also, Extreme Programming (XP), Agile Model Driven Development (AMDD) and refactoring are methods that can expedite the software development projects by reducing the amount of up front requirements and design; hence these methods are embedded throughout the book but with just enough details and examples to not sidetrack the focus of this book. In addition, this book contains well separated, subjective material (opinion sidebars), comic illustrations, tips and tricks, all of which provide real-world and practical perspectives on relevant topics. Last but not least, this book demonstrates the complete lifecycle by building and following a sample application, chapter-by-chapter, starting from conceptualization to production using the technology and processes covered in this book. In summary, by using the technologies and methods covered in this book, the reader will be able to effectively develop enterprise-class Java applications, in an agile manner!

**More than 70 solutions to common Hibernate problems** Manning Publications Company

*Hibernate Recipes* A Problem-Solution Approach Apress

**Spring 5 Recipes** Packt Publishing Ltd

Get a concise introduction to Spring, the popular open source framework for building lightweight enterprise applications on the Java platform. This example-driven book for Java developers delves into the framework's basic features, as well as complex concepts such as containers. You'll learn how Spring makes Java Messaging Service easier to work with, and how its support for Hibernate helps you work with data persistence and retrieval. In this revised edition of *Just Spring*, you'll get your hands deep into sample code, beginning with a problem that illustrates Spring's core principle: dependency injection. In the chapters that follow, author Madhusudhan Konda walks you through features that underlie the solution. Dive into the new chapter on advanced concepts, such as bean scopes and property editors Learn dependency injection through a simple object coupling problem Tackle the framework's core fundamentals, including beans and bean factories Discover how Spring makes the Java Messaging Service API easier to use Learn how Spring has revolutionized data access with Java DataBase Connectivity (JDBC) Use Spring with the Hibernate framework to manipulate data as objects

*Over 70 Recipes for Implementing the Most Important Functionalities of Alfresco* Apress

"Charlie and Dinesh bring important skills to this project that enable them to show how LINQ works and the practical ways you can use it in your daily development process." From the Foreword by Anders Hejlsberg LINQ is one of Microsoft's most exciting, powerful new development technologies. *Essential LINQ* is the first LINQ book written by leading members of Microsoft's LINQ and C# teams. Writing for architects, developers, and development managers, these Microsoft insiders share their intimate understanding of LINQ, revealing new patterns and best practices for getting the most out of it. Calvert and Kulkarni begin by clearly explaining how LINQ resolves the long-time "impedance mismatch" between object-oriented code and relational databases. Next, they show how LINQ integrates querying into C# as a "first-class citizen." Using realistic code examples, they show how LINQ provides a strongly typed, IntelliSense-aware technology for working with data from any source, including SQL databases, XML files, and generic data structures. Calvert and Kulkarni carefully explain LINQ's transformative, composable, and declarative capabilities. By fully illuminating these three concepts, the authors allow developers to discover LINQ's full power. In addition to covering core concepts and hands-on LINQ development in C# with LINQ to Objects, LINQ to XML, LINQ to SQL, and LINQ to Entities, they also present advanced topics and new LINQ implementations developed by the LINQ community. This book • Explains the entire lifecycle of a LINQ project: design, development, debugging, and much more • Teaches LINQ from both a practical and theoretical perspective • Leverages C# language features that simplify LINQ development • Offers developers powerful LINQ query expressions to perform virtually any data-related task •

Teaches how to query SQL databases for objects and how to modify those objects • Demonstrates effective use stored procedures and database functions with LINQ • Shows how to add business logic that reflects the specific requirements of your organization • Teaches developers to create, query, and transform XML data with LINQ • Shows how to transform object, relational, and XML data between each other • Offers best patterns and practices for writing robust, easy-to-maintain LINQ code

**Pro HTML5 and CSS3 Design Patterns** "O'Reilly Media, Inc."

*Spring Recipes: A Problem-Solution Approach*, Third Edition builds upon the best-selling success of the previous editions and focuses on the latest Spring Framework features for building enterprise Java applications. This book provides code recipes for the following, found in the latest Spring: Spring fundamentals: Spring IoC container, Spring AOP/ AspectJ, and more. Spring enterprise: Spring Java EE integration, Spring Integration, Spring Batch, Spring Remoting, messaging, transactions, and working with big data and the cloud using Hadoop and MongoDB. Spring web: Spring MVC, other dynamic scripting, integration with the popular Grails Framework (and Groovy), REST/web services, and more This book guides you step-by-step through topics using complete and real-world code examples. When you start a new project, you can consider copying the code and configuration files from this book, and then modifying them for your needs. This can save you a great deal of work over creating a project from scratch!

**Simple Solutions to Difficult Problems in Java 8 and 9** Packt Publishing Ltd

\* 1st and only book to market on the open source Spring MVC and Web Flows, positioned to become the new "Struts." \* Will be the only authoritative solution, by the Spring MVC and Spring Web Flows project leads themselves. \* Two markets for this book. 1) Ex-patriots from the Struts world who have developed numerous web applications, but are looking for more and willing to take the initiative to experiment with new solutions; and 2) early adopter web developers into Web Flow, which has created a lot of buzz and will generate interest around this book as well as Spring MVC.

*A Problem-Solution Approach* Packt Publishing Ltd

When you use Hibernate in your projects, you quickly recognize that you need to do more than just add @Entity annotations to your domain model classes. Real-world applications often require advanced 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 use. *Hibernate Tips* - More than 70 solutions to common Hibernate problems shows you how to efficiently implement your persistence layer with Hibernate's basic 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 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 how to: - Define standard mappings for basic attributes and entity associations. - Implement your own attribute mappings and support custom data 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 stored procedures and database functions. This book is for developers who are already working with Hibernate and who are looking for solutions for their current development tasks. It's not a book for beginners who are looking for extensive descriptions of Hibernate's general concepts. The tips are designed as self-contained recipes which provide a specific solution and can be accessed when needed. Most of them contain links to related tips 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 free to read the book from cover to cover or to just pick the tips that help you in your current project.

*Modern Java Recipes* Apress

The Jakarta Struts Framework is a popular open source platform for building web applications from top to bottom with Java. While this popularity has led to a wealth of online and in-print documentation, developers still find themselves faced with a number of common tasks that are not clearly and succinctly explained. In these situations, programmers can now turn to the Jakarta Struts Cookbook an amazing collection of code solutions to common--and uncommon--problems encountered when working with the Struts Framework. Among many other recipes, this book explains how to: display data in complex HTML tables use JSP, the JSTL, and JavaScript in your user interface define static and dynamic action forms validate data and respond to errors use Logging, Validation, and Exception Handling integrate Struts with persistence frameworks like Hibernate and iBATIS This look-up reference is just what today's time-pressed developers need. With solutions to real-world problems just a few page flips away, information is instantly available. And while the book's solutions focus on getting to the point, each recipe's discussion section imparts valuable concept and insight from a Struts veteran. The Jakarta Struts Cookbook is perfect for independent developers, large development teams, and everyone in between who wishes to use the Struts Framework to its fullest potential. Plus, it's completely up-to-date with the latest versions of Framework, so readers can be sure the information is viable.

**A Problem-Solution Approach** Apress

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

**AGILE PRIN PATTS PRACTS C#\_1** Simon and Schuster

Efficiently integrate OAuth 2.0 to protect your mobile, desktop, Cloud applications and APIs using Spring Security technologies. About This Book Interact with public OAuth 2.0 protected APIs such as Facebook, LinkedIn and Google. Use Spring Security and Spring Security OAuth2 to implement your own OAuth 2.0 provider Learn how to implement OAuth 2.0 native mobile clients for Android applications Who This Book Is For This book targets software engineers and security experts who are looking to develop their skills in API security and OAuth 2.0. Prior programming knowledge and a basic understanding of developing web applications are necessary. As this book's recipes mostly use Spring Security and Spring Security OAuth2, some prior experience with Spring Framework will be helpful. What You Will Learn Use Redis and relational databases to store issued access tokens and refresh tokens Access resources protected by the OAuth2 Provider using Spring Security Implement a web application that dynamically registers itself to the Authorization Server Improve the safety of your mobile client using dynamic client registration Protect your Android client with Proof Key for Code Exchange Protect the Authorization Server from COMPUTERS / Cloud Computing redirection In Detail OAuth 2.0 is a standard protocol for authorization and focuses on client development simplicity while providing specific authorization flows for web applications, desktop applications, mobile phones, and so on. This book also provides useful recipes for solving real-life problems using Spring Security and creating Android applications. The book starts by presenting you how to interact with some public OAuth 2.0 protected APIs such as Facebook, LinkedIn and Google. You will also be able to implement your own OAuth 2.0 provider with Spring Security OAuth2. Next, the book will cover practical scenarios regarding some important OAuth 2.0 profiles such as Dynamic Client

Registration, Token Introspection and how to revoke issued access tokens. You will then be introduced to the usage of JWT, OpenID Connect, and how to safely implement native mobile OAuth 2.0 Clients. By the end of this book, you will be able to ensure that both the server and client are protected against common vulnerabilities. Style and approach With the help of real-world examples, this book provides step by step recipes for troubleshooting and extending your API security. The book also helps you with accessing and securing data on mobile, desktop, and cloud apps with OAuth 2.0.

*Practical recipes for enterprise Java developers to deliver large scale applications with Jakarta EE, 2nd Edition* Apress

Build a microservices architecture with Spring Boot, by evolving an application from a small monolith to an event-driven architecture composed of several services. This book follows an incremental approach to teach microservice structure, test-driven development, Eureka, Ribbon, Zuul, and end-to-end tests with Cucumber. Author Moises Macero follows a very pragmatic approach to explain the benefits of using this type of software architecture, instead of keeping you distracted with theoretical concepts. He covers some of the state-of-the-art techniques in computer programming, from a practical point of view. You'll focus on what's important, starting with the minimum viable product but keeping the flexibility to evolve it. What You'll Learn Build microservices with Spring Boot Use event-driven architecture and messaging with RabbitMQ Create RESTful services with Spring Master service discovery with Eureka and load balancing with Ribbon Route requests with

Zuul as your API gateway Write end-to-end tests for an event-driven architecture using Cucumber Carry out continuous integration and deployment Who This Book Is For Those with at least some prior experience with Java programming. Some prior exposure to Spring Boot recommended but not required.

*Jakarta EE Cookbook* Packt Publishing Ltd

The introduction of functional programming concepts in Java SE 8 was a drastic change for this venerable object-oriented language. Lambda expressions, method references, and streams fundamentally changed the idioms of the language, and many developers have been trying to catch up ever since. This cookbook will help. With more than 70 detailed recipes, author Ken Kousen shows you how to use the newest features of Java to solve a wide range of problems. For developers comfortable with previous Java versions, this guide covers nearly all of Java SE 8, and includes a chapter focused on changes coming in Java 9. Need to understand how functional idioms will change the way you write code? This cookbook—chock full of use cases—is for you. Recipes cover: The basics of lambda expressions and method references Interfaces in the java.util.function package Stream operations for transforming and filtering data Comparators and Collectors for sorting and converting streaming data Combining lambdas, method references, and streams Creating instances and extract values from Java's Optional type New I/O capabilities that support functional streams The Date-Time API that replaces the legacy Date and Calendar classes Mechanisms for experimenting with concurrency and parallelism

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