

A Jboss Developer Studio Hibernate Tutorial

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A Jboss Developer Studio Hibernate Tutorial

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HEIDI POWELL

Thoughts on Java

This book will kick-start your productivity and help you to master JBoss AS development. The author's experience with JBoss enables him to share insights on JBoss AS development in a clear and friendly way. By the end of the book, you will have the confidence to apply all the newest programming techniques to your JBoss applications. If you are a Java architect or developer who wants to get the most out of the latest release of the JBoss application server, then this book is for you. You are not expected to have accumulated experience on the application server though you must know the basic concepts of Java EE.

InfoWorld IOS Press

RichFaces 4 is a component library for JavaServer Faces, and an advanced framework for easily integrating AJAX capabilities into business applications. It lets you quickly develop next-generation web applications based on JSF 2/Ajax. In this definitive RichFaces 4 book, instead of using JBoss Tools, the author bases all examples on Maven so that any IDE can be used—whether it's NetBeans, Eclipse, JBoss or even Spring. Practical RichFaces also describes how to best take advantage of RichFaces—the integration of the Ajax4jsf and RichFaces libraries—to create flexible and powerful programs. Assuming some JSF background, it shows how you can radically reduce programming time and effort to create rich AJAX-based applications.

Knowledge Innovation Through Intelligent Software Methodologies, Tools and Techniques Simon and Schuster

Get started with the Hibernate 5 persistence layer and gain a clear introduction to the current standard for object-relational persistence in Java. This updated edition includes the new Hibernate 5.0 framework as well as coverage of NoSQL, MongoDB, and other related technologies, ranging from applications to big data. Beginning Hibernate is ideal if you're experienced in Java with databases (the traditional, or connected, approach), but new to open-source, lightweight Hibernate. 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-based engines and applications. Experienced authors Joseph Ottinger with Dave Minter and Jeff Linwood provide more in-depth examples than any other book for Hibernate beginners. They present their material in a lively, example-based manner—not a dry, theoretical, hard-to-read fashion. What You'll Learn Build enterprise Java-based transaction-type applications that access complex data with Hibernate Work with Hibernate 5 using a present-day build process Use Java 8 features with Hibernate Integrate into the persistence life cycle Map using Java's annotations Search and 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 Experienced Java developers interested in learning how to use and apply object-relational persistence in Java and who are new to the Hibernate persistence framework.

Leveraging Java Open Source Technologies Packt Publishing Ltd

What is this book about? Expert One-on-One J2EE Development without EJB shows Javadevelopers and architects how to build robust J2EE applications without having to use Enterprise JavaBeans (EJB). This practical, code-intensive guide provides best practices for using simpler and more effective methods and tools, including JavaServer pages, servlets, and lightweight frameworks. What does this book cover? The book begins by examining the limits of EJB technology— what it does well and not so well. Then the authors guide you through alternatives to EJB that you can use to create higher quality applications faster and at lower cost — both agile methods as well as new classes of tools that have evolved over the past few years. They then dive into the details, showing solutions based on the lightweight framework they pioneered on SourceForge — one of the most innovative open source communities. They demonstrate how to leverage practical techniques and tools, including the popular open source Spring Framework and Hibernate. This book also guides you through productive solutions to core problems, such as transaction management, persistence, remoting, and Web tier design. You will examine how these alternatives affect testing, performance, and scalability, and discover how lightweight architectures can slash time and effort on many projects. What will you learn from this book? Here are some details on what you'll find in this book: How to find the simplest and most maintainable architecture for your application Effective transaction management without EJB How to solve common problems in enterprise software development using AOP and Inversion of Control Web tier design and the place of the Web tier in a well-designed J2EE application Effective data access techniques for J2EE applications with JDBC, Hibernate, and JDO How to leverage open source products to improve productivity and reduce custom coding How to design for optimal performance and scalability

Pro Hibernate and MongoDB CRC Press

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.

Seam 2.X Web Development Apress

Annotation JBoss AS is the most used Java application server on the market meeting high standards of reliability, efficiency, and robustness and is used to build powerful and secure Java EE applications. It supports the most important areas of Java Enterprise programming including EJB 3.0, dependency injection, web services, the security framework, and more. Getting started with JBoss application server development can be challenging;

however, with the right approach and guidance, you can easily master it and this book promises that. Written in an easy-to-read style, this book will take you from the basics of JBoss AS such as installing core components and plug-ins to the skills that will make you a JBoss developer to be reckoned with, covering advanced topics such as developing applications with JBoss Messaging service, JBoss web services, clustered applications, and more. You will learn the necessary steps to install a suitable environment for developing enterprise applications on JBoss AS. Then, your journey will continue through the heart of the application server, explaining how to customize each service for optimal usage. You will learn how to design Enterprise applications using Eclipse and JBoss plug-ins. You will then learn how to enable distributed communication using JMS. Storing and retrieving objects will be made easier using Hibernate. The core section of the book will take you into the programming arena with tested, real-world examples. The example programs have been carefully crafted to be easy to understand and useful as starting points for your applications. This book will kick-start your productivity and help you to master JBoss AS development. The author's experience with JBoss enables him to share insights on JBoss AS development, in a clear and friendly way. By the end of the book, you will have the confidence to apply all the newest programming techniques to your JBoss applications.

Expert One-on-One J2EE Development without EJB Apress

A tutorial and reference to Java-based APIs for application software development covers such topics as XDoclet, JavaServer Faces, Hibernate API, Enterprise JavaBeans, and J2EE security.

JBoss AS 7 Development Manning Publications

JBoss Seam is an exciting new application framework based on the Java EE platform that is used to build rich, web-based business applications. Seam is rapidly capturing the interest of Java enterprise developers because of its focus on simplicity, ease of use, transparent integration, and scalability. Seam in Action offers a practical and in-depth look at JBoss Seam. The book puts Seam head-to-head with the complexities in the Java EE architecture. The author presents an unbiased view of Seam from outside the walls of RedHat/JBoss, focusing on such topics as Spring integration and deployment to alternative application servers to steer clear of vendor lock-in. By the end of the book, you should expect to not only gain a deep understanding of Seam, but also come away with the confidence to teach the material to others. To start off, you will see a working Java EE-compliant application come together by the end of the second chapter. As you progress through the book, you will discover how Seam eliminates unnecessary layers and configurations, solves the most common JSF pain points, and establishes the missing link between JSF, EJB 3 and JavaBean components. The author also shows you how Seam opens doors for you to incorporate technologies you previously have not had time to learn, such as business processes and stateful page flows (JBPM), Ajax remoting, PDF generation, asynchronous tasks, and more. All too often, developers spend a majority of their time integrating disparate technologies, manually tracking state, struggling to understand JSF, wrestling with Hibernate exceptions, and constantly redeploying applications, rather than on the logic pertaining to the business at hand. Seam in Action dives deep into thorough explanations of how Seam eliminates these non-core tasks by leveraging configuration by exception, Java 5 annotations, and aspect-oriented programming. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book.

Hibernate in Action CRC Press

Software methodologies, tools and techniques have become an ever more important part of our lives, and are crucial to the decision-making processes that affect us every day. This book presents papers from the 19th International Conference on New Trends in Intelligent Software Methodology Tools, and Techniques (SoMeT20), held in Kitakyushu, Japan from 22–24 September 2020. The SoMeT conferences bring together researchers and practitioners to share their original research results and experience of practical developments in software science and related new technologies, and this book explores new trends and theories that highlight the direction and development of intelligent software methodologies, tools and techniques. It covers newly developed techniques, enhanced methodologies, software related solutions and recently developed tools, as well as indicating the direction of future research, and the 40 revised papers included here have been selected by the SoMeT20 international reviewing committee on the basis of technical soundness, relevance, originality, significance, and clarity. The book is divided into 5 chapters: artificial intelligence techniques on software engineering, and requirement engineering; software methods for informatics, medical informatics and bio-medicine applications; applied software tools, techniques and related software engineering models; intelligent-software systems design, software quality, software evolution and validation techniques; and knowledge science and intelligent computing. Providing an overview of the state-of-the-art in software science and its supporting technology, this book will be of interest to all those working in the field.

Insights and Strategies JBoss Tools 3 Developers Guide

This practical guide is intended for those who want to learn how to build extremely scalable applications. This book is easy to read and is aimed at Java enterprise developers with a solid knowledge of Java. However, no previous coding experience with Infinispan is required.

A Developer's Notebook Packt Publishing Ltd

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 its architecture, and how it manages Entities, Events, Versioning, Filters, and Cache Observe how Hibernate bridges the gap between object-oriented concepts and relational models Discover how Hibernate can address architectural concerns such as Transaction, Database Multi-tenancy, Clustering, and Database Shards Who This Book Is 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. 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 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 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 statistics and metrics data for further observation Make your application work with multi-tenant databases In Detail Hibernate has been so successful since its 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. 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. 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 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 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 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 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 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-depth discussions.

Professional Hibernate Apress

A hands-on practical guide disclosing all areas of Java EE 8 development on the newest WildFly application server. Covers everything from the foundation components (EJB, Servlets, CDI, JPA) to the new technology stack defined in Java Enterprise Edition 7 hence including the new Batch API, JSON-P Api, the Concurrency API, Web Sockets, the JMS 2.0 API, the core Web services stack (JAX-WS, JAX-RS). The testing area with Arquillian framework and the Security API complete the list of topics discussed in the book.

Continuous Enterprise Development in Java Apress

Learn a use-case approach for developing Java enterprise applications in a continuously test-driven fashion. With this hands-on guide, authors and JBoss project leaders Andrew Lee Rubinger and Aslak Knutsen show you how to build high-level components, from persistent storage to the user interface, using the Arquillian testing platform and several other JBoss projects and tools. Through the course of the book, you'll build a production-ready software conference tracker called GeekSeek, using source code from GitHub. Rubinger and Knutsen demonstrate why testing is the very foundation of development—essential for ensuring that code is consumable, complete, and correct. Bootstrap an elementary Java EE project from start to finish before diving into the full-example application, GeekSeek Use both relational and NoSQL storage models to build and test GeekSeek's data persistence layers Tackle testable business logic development and asynchronous messaging with an SMTP service Expose enterprise services as a RESTful interface, using Java EE's JAX-RS framework Implement OAuth authentication with JBoss's PicketLink identity management service Validate the UI by automating interaction in the browser and reading the rendered page Perform full-scale integration testing on the final deployable archive **Quickstart guide for developing, deploying and securing Java EE applications on WildFly application server** John Wiley & Sons

In the classic style of Manning's "In Action" series, NHibernate in Action shows .NET developers how to use the NHibernate Object/Relational Mapping tool. This book is a translation from Java to .NET, as well as an expansion, of Manning's bestselling Hibernate in Action. All traces of Java have been carefully replaced by their .NET equivalents. The book shows how to implement complex business objects, and later teaches advanced techniques like caching and session management. Readers will discover how to implement persistence in a .NET application, and how to configure NHibernate to specify the mapping information between business objects and database tables. Readers will also be introduced to the internal architecture of NHibernate by progressively building a complete sample application using Agile methodologies. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book.

GPS Tracking with Java EE Components Packt Publishing Ltd

"This book is for professional Java developers who already know how to build sophisticated applications and have at least a general familiarity with databases, Java application development, and Web development. No prior experience with Hibernate is required."--BOOK JACKET.

Software Development Addison-Wesley Professional

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 "O'Reilly Media, Inc."

This is a brilliantly practical work that lets the reader experience a real-world scalable agile enterprise Java-based application being built from the ground up using the latest Spring 2.x kit available. The open source agile lightweight Spring (meta) Framework 2.x is by far the leading innovative force and "lightning rod" that's driving today's Java industry. Spring has time and time again proven itself in real-world highly scalable enterprise settings such as banks and other financial institutions. This book is the only authoritative Spring 2 authored book, as it has been written by team members of Interface21, the group that lead the Spring Foundation and its growing community.

NHibernate in Action "O'Reilly Media, Inc."

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.

Lightweight Java Web Development Using Plain Old Java Objects in Spring, Hibernate, and Tapestry Apress

Over the past few years, the now-open source Adobe Flex framework has been adopted by the Java community as the preferred framework for Java rich Internet applications (RIAs) using Flash for the presentation layer. Flex helps Java developers to build and maintain expressive web/desktop applications that deploy consistently on all major browsers, desktops, and operating systems. Beginning Java and Flex describes new, simpler, and faster ways to develop enterprise RIAs. This book is not only for Java or Flex developers, but also for all web developers who want to increase their productivity and the quality of their development. The aim of the book is to teach the new frontier of web development using open source, agile, lightweight Java frameworks with Flex. Java lightweight framework programming helps Flex developers create dynamic-looking enterprise applications. Flex and Java are becoming very popular for both business and interactive applications.

Migrating Java, Spring, Hibernate and Maven Developers to Adobe Flex Packt Publishing Ltd

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