



High-Performance Java Persistence

By Vlad Mihalcea

[Download now](#)

[Read Online](#) 

High-Performance Java Persistence By Vlad Mihalcea

A high-performance data access layer 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 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 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.

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 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.

 [Download High-Performance Java Persistence ...pdf](#)

 [Read Online High-Performance Java Persistence ...pdf](#)

High-Performance Java Persistence

By Vlad Mihalcea

High-Performance Java Persistence By Vlad Mihalcea

A high-performance data access layer 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 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 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.

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 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.

High-Performance Java Persistence By Vlad Mihalcea Bibliography

- Rank: #886219 in Books
- Brand: Ingramcontent
- Published on: 2016-10-12
- Original language: English
- Dimensions: 11.00" h x 1.10" w x 8.50" l,
- Binding: Paperback
- 486 pages

 [Download High-Performance Java Persistence ...pdf](#)

 [Read Online High-Performance Java Persistence ...pdf](#)

Download and Read Free Online High-Performance Java Persistence By Vlad Mihalcea

Editorial Review

Review

"This book is a must-read for everyone aiming to push their relational databases to the limit with their Java application."

--*Lukas Eder, Java Champion, founder and CEO of Data Geekery GmbH, the company behind jOOQ*

"There is no resource that better summarizes the performance implications of using JDBC, either directly or via JPA and Hibernate. If you are talking to a database on the JVM, add this book to your reading shelf."

--*Rafael Winterhalter, Java Champion, creator of Byte Buddy*

"Object to database mapping is one of the core requirements in many Java EE related projects. And the available frameworks make it easy for their users to get started. But as soon as you hit particular requirements around distributed transactions or performance you realize how much database and framework knowledge is required to implement them. Vlad made his insane experience available in an easy-to-read book. If you are dealing with JPA or Hibernate, this book is a must read."

--*Markus Eisele, Java Champion, Developer Advocate at Lightbend*

From the Author

The ebook (PDF, EPUB, Kindle) version can be bought on [Leanpub](#)

leanpub.com/high-performance-java-persistence

About the Author

Vlad Mihalcea is a Hibernate Developer Advocate working for Red Hat, passionate about concurrency challenges, high-performance enterprise solutions, and online transaction processing.

He's been answering thousands of questions about Hibernate and JPA on StackOverflow for which he's got gold badges for Hibernate, Java, and JPA tags.

Whenever he finds something interesting, he likes to share it on his personal blog. He believes in Open Source Software, and he thinks every developer should get involved, one way or the other.

If he doesn't find a suitable tool for a job, he takes initiative and starts a new open source project, like FlexyPool.

Users Review

From reader reviews:

Margaret Williams:

Book will be written, printed, or descriptive for everything. You can realize everything you want by a publication. Book has a different type. As we know that book is important issue to bring us around the world. Beside that you can your reading proficiency was fluently. A reserve High-Performance Java Persistence will

make you to be smarter. You can feel far more confidence if you can know about every little thing. But some of you think that open or reading a new book make you bored. It's not make you fun. Why they may be thought like that? Have you trying to find best book or appropriate book with you?

Jess Cooke:

Now a day those who Living in the era exactly where everything reachable by connect to the internet and the resources inside can be true or not need people to be aware of each details they get. How a lot more to be smart in receiving any information nowadays? Of course the solution is reading a book. Examining a book can help men and women out of this uncertainty Information specially this High-Performance Java Persistence book because this book offers you rich info and knowledge. Of course the details in this book hundred per-cent guarantees there is no doubt in it you probably know this.

Lauren Clarke:

Your reading sixth sense will not betray anyone, why because this High-Performance Java Persistence book written by well-known writer who really knows well how to make book which can be understand by anyone who also read the book. Written throughout good manner for you, leaking every ideas and producing skill only for eliminate your hunger then you still hesitation High-Performance Java Persistence as good book but not only by the cover but also by content. This is one guide that can break don't assess book by its include, so do you still needing yet another sixth sense to pick this kind of!? Oh come on your studying sixth sense already told you so why you have to listening to yet another sixth sense.

Mildred Shaw:

What is your hobby? Have you heard that will question when you got college students? We believe that that problem was given by teacher on their students. Many kinds of hobby, Every person has different hobby. And you know that little person including reading or as examining become their hobby. You need to understand that reading is very important along with book as to be the factor. Book is important thing to add you knowledge, except your current teacher or lecturer. You find good news or update about something by book. Amount types of books that can you take to be your object. One of them is High-Performance Java Persistence.

Download and Read Online High-Performance Java Persistence By Vlad Mihalcea #S8IXDMFZWCN

Read High-Performance Java Persistence By Vlad Mihalcea for online ebook

High-Performance Java Persistence By Vlad Mihalcea Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read High-Performance Java Persistence By Vlad Mihalcea books to read online.

Online High-Performance Java Persistence By Vlad Mihalcea ebook PDF download

High-Performance Java Persistence By Vlad Mihalcea Doc

High-Performance Java Persistence By Vlad Mihalcea Mobipocket

High-Performance Java Persistence By Vlad Mihalcea EPub

S8IXDMFZWNC: High-Performance Java Persistence By Vlad Mihalcea