

## <<高性能MySQL>>

### 图书基本信息

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## 前言

I have known Peter, Vadim, and Arjen a long time and have witnessed their long history of both using MySQL for their own projects and tuning it for a lot of different high-profile customers. On his side, Baron has written client software that enhances the usability of MySQL. The authors' backgrounds are clearly reflected in their complete reworking in this second edition of High Performance MySQL: Optimizations, Replication, Backups, and More. It's not just a book that tells you how to optimize your work to use MySQL better than ever before. The authors have done considerable extra work, carrying out and publishing benchmark results to prove their points. This will give you the reader, a lot of valuable insight into MySQL's inner workings that you can't easily find in any other book. In turn, that will allow you to avoid a lot of mistakes in the future that can lead to suboptimal performance. I recommend this book both to new users of MySQL who have played with the server a little and now are ready to write their first real applications, and to experienced users who already have well-tuned MySQL-based applications but need to get "a little more" out of them.—Michael Widenius

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### 内容概要

《高性能MySQL（影印版）（第2版）》教你如何使用MySQL构建快速、可靠的系统。

本书的作者都是知名专家，具有多年构建大型系统的实际经验。

本书第二版涵盖了MySQL性能细节并且专注于健壮性、安全性和数据完整性。

《高性能MySQL（影印版）（第2版）》深入讲解高级技巧从而让你能够受益于MySQL的全部威力。

你将学到如何设计模板、索引、查询和令性能最大化的高级MySQL特性。

另外，你将获得详细的指导来为你的MySQL服务器、操作系统和硬件进行性能调优以便发挥它们的全部潜能。

同时还包括运用实用、安全和高性能的方法来扩展你的应用，使其具有副本保存、负载均衡、高可用和失败自动切换的功能。

本书第二版进行了全面修改以及很大程度地扩展，对所有专题都进行了更有深度的覆盖。

主要的新增内容包括：

- \* 强调性能和可靠性的每一方面
- \* 详细涵盖搜索引擎，包括深度调优和InnoDB存储引擎的优化
- \* MySQL 5.0和5.1新功能的效用，包括存储过程、数据库分区、触发器和视图
- \* 对如何使用MySQL构建大型、高可扩展系统进行了详细的讨论
- \* 备份和副本的新选项
- \* 高级查询功能的优化，例如全文检索
- \* 四个全新的附录

《高性能MySQL（影印版）（第2版）》的内容还包括基准分析、评测报告、备份、安全性以及帮你测量、监控并管理所安装的MySQL的工具和技巧。

## 作者简介

作者：(美国)Baron Schwartz (美国)Peter Zaitsev (美国)Vadim Tkachenko 等

## 书籍目录

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## 章节摘录

插图：At some point, you're bound to need more performance from MySQL. But what should you try to improve ?

A particular query ?

Your schema ?

Your hardware ?

The only way to know is to measure what your system is doing, and test its performance under various conditions. That's why we put this chapter early in the book. The best strategy is to find and strengthen the weakest link in your application's chain of components. This is especially useful if you don't know what prevents better performance—or what will prevent better performance in the future. Benchmarking and profiling are two essential practices for finding bottlenecks. They are related, but they're not the same. A benchmark measures your system's performance. This can help determine a system's capacity, show you which changes matter and which don't, or show how your application performs with different data. In contrast, profiling helps you find where your application spends the most time or consumes the most resources. In other words, benchmarking answers the question "How well does this perform ?

" and profiling answers the question "Why does it perform the way it does ?

"We've arranged this chapter in two parts, the first about benchmarking and the second about profiling. We begin with a discussion of reasons and strategies for benchmarking, then move on to specific benchmarking tactics. We show you how to plan and design benchmarks, design for accurate results, run benchmarks, and analyze the results. We end the first part with a look at benchmarking tools and examples of how to use several of them. The rest of the chapter shows how to profile both applications and MySQL. We show detailed examples of real-life profiling code we've used in production to help analyze application performance. We also show you how to log MySQL's queries, analyze the logs, and use MySQL's status counters and other tools to see what MySQL and your queries are doing.

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“我向那些初涉MySQL并且现在正准备编写第一个实际应用的新手、和那些已经把基于MySQL的应用优化得不错但还需再上一层楼的有经验用户推荐此书。

” ——Michael Widenius, MySQL的初始开发人员

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## 编辑推荐

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我想推荐这本书,因为它对ASP.NET最常用的知识和技能进行了很棒的讲解。

读者通读全书,将会碰到他们在创建小型动态网站时可能面临的所有任务。

”

——Mike Pope, 微软用户教育



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