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Jiyuan Zhang



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High Performance MySQL Baron Schwartz, Peter Zaitsev, Vadim Tkachenko, Jeremy D. Zawodny, Arjen Lentz, Derek J. Balling, 2008-06-18 *High Performance MySQL* is the definitive guide to building fast reliable systems with MySQL Written by noted experts with years of real world experience building very large systems this book covers every aspect of MySQL performance in detail and focuses on robustness security and data integrity *High Performance MySQL* teaches you advanced techniques in depth so you can bring out MySQL's full power Learn how to design schemas indexes queries and advanced MySQL features for maximum performance and get detailed guidance for tuning your MySQL server operating system and hardware to their fullest potential You'll also learn practical safe high performance ways to scale your applications with replication load balancing high availability and failover This second edition is completely revised and greatly expanded with deeper coverage in all areas Major additions include Emphasis throughout on both performance and reliability Thorough coverage of storage engines including in depth tuning and optimizations for the InnoDB storage engine Effects of new features in MySQL 5.0 and 5.1 including stored procedures partitioned databases triggers and views A detailed discussion on how to build very large highly scalable systems with MySQL New options for backups and replication Optimization of advanced querying features such as full text searches Four new appendices The book also includes chapters on benchmarking profiling backups security and tools and techniques to help you measure monitor and manage your MySQL installations

High-Performance MySQL John Smith, 2024-04-24 Dive deep into the world of MySQL and unleash its full potential with *High Performance MySQL Optimization Backups and Replication* This comprehensive guide is your key to understanding and mastering the intricacies of one of the most widely used relational database management systems From the foundational aspects of its architecture and storage engines to advanced topics like indexing strategies query optimization and server performance tuning this book has you covered Learn

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Introducing InnoDB Cluster Charles Bell, 2018-09-07 Set up manage and configure the new InnoDB Cluster feature in MySQL from Oracle If you are growing your MySQL installation and want to explore making your servers highly available this book provides what you need to know about high availability and the new tools that are available in MySQL 8.0.11 and later Introducing InnoDB Cluster teaches you about the building blocks that make up InnoDB Cluster such as MySQL Group Replication for storing data redundantly MySQL Router for the routing of inbound connections and MySQL Shell for simplified setup and configuration status reporting and even automatic failover You will understand how it all works together to ensure that your data are available even when your primary database server goes down Features described in this book are available in the Community Edition of MySQL beginning with the version 8.0.11 GA release making this book relevant for any MySQL users in need of redundancy against failure Tutorials in the book show how to configure a test environment and plan a production deployment Examples are provided in the form of a walk through of a typical MySQL high availability setup What You'll Learn Discover the newest high availability features in MySQL Set up and use InnoDB Cluster as an HA solution Migrate your existing servers to MySQL 8 Employ best practices for using InnoDB Cluster Configure servers for optimal

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Computing and Emerging Technologies Muhammad Arif,Arfan Jaffar,Oana Geman,2025-03-28 The two volume set CCIS 2055 2056 constitutes the refereed proceedings of the First International Conference on Computing and Emerging Technologies ICCET 2023 held in Lahore Pakistan during May 26 27 2023 The 50 full papers and 15 short papers included in this book were carefully reviewed and selected from 250 submissions The papers focused on topics such as blockchain data science machine learning artificial intelligence and and offered in depth analyses and practical implementations

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