MariaDB Cookbook

By Daniel Bartholomew

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Over 95 recipes to unlock the power of MariaDB

About This Book

- Enable performance-enhancing optimizations
- Connect to different databases and file formats
- Filled with clear step-by-step instructions that can be run on a live database

Who This Book Is For

This book is for anyone who wants to learn more about databases in general or MariaDB in particular. Some familiarity with SQL databases is assumed, but the recipes are approachable to almost anyone with basic database skills.

What You Will Learn

- Enable various MariaDB optimizations
- Link MariaDB to a Cassandra cluster
- Enable and use the TokuDB storage engine
- Read from and write to various data formats including XML and CSV
- Search through your data with Sphinx
- Connect to other databases with ODBC
- Tune MariaDB for the best performance

In Detail

MariaDB is a new database that has become very popular. It is easy to install and use, even on personal systems. It is evolving and expanding to meet the database needs of today, tomorrow, and into the future. MariaDB is a drop in replacement for MySQL it also has a lot of new features and performance enhancements that differentiate it from MySQL. It is also powerful enough to be the database of choice for some of the biggest and most popular websites in the world.

This practical guide unlocks the advanced features of MariaDB's capabilities, including new storage engines, performance enhancing optimizations, and other

advanced abilities. If you're looking to backend your enterprise, cloud, or embedded or mobile apps with a fast, free, open source, and familiar SQL database, MariaDB is perfect for you.

We begin with installing MariaDB and configuring it to unlock powerful optimizations that can speed up certain queries exponentially. We will then move on to using the extra storage engines included with MariaDB, such as TokuDB and the CONNECT engine. With those mastered, it's then time to branch out from single to multi-server installations, so we will dive into MariaDB's clustering and replication features, learning how to efficiently search and index our data, work with NoSQL-style data, and connect MariaDB with a Cassandra cluster. It's a dangerous world out there, so last of all, we wrap things up with recipes on securing MariaDB.

This is your ideal guide for getting the most out of MariaDB.

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Editorial Review

About the Author

Daniel Bartholomew

Daniel Bartholomew has been using Linux since 1997 and databases since 1998. He is a frequent contributor to various magazines, including The Linux Journal, Linux Pro, Ubuntu, User, and Tux. He has been involved with the MariaDB project since shortly after it began in early 2009. He currently works for SkySQL and splits his time between MariaDB documentation and maintaining the bits and pieces (including build, email, web, and other servers), which keeps the MariaDB project running smoothly. In addition to his daytoday responsibilities, he also serves as the MariaDB release coordinator and has been deeply involved with almost every MariaDB release. He lives in Raleigh, North Carolina, U.S.A. with his lovely wife and awesome children.

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Joyce Loza:

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