



The Definitive Guide to SQLite (Expert's Voice in Open Source)

Grant Allen, Mike Owens

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Outside of the world of enterprise computing, there is one database that enables a huge range of software and hardware to flex relational database capabilities, without the baggage and cost of traditional database management systems. That database is SQLite—an embeddable database with an amazingly small footprint, yet able to handle databases of enormous size. SQLite comes equipped with an array of powerful features available through a host of programming and development environments. It is supported by languages such as C, Java, Perl, PHP, Python, Ruby, TCL, and more.

The Definitive Guide to SQLite, Second Edition is devoted to complete coverage of the latest version of this powerful database. It offers a thorough overview of SQLite's capabilities and APIs. The book also uses SQLite as the basis for helping newcomers make their first foray into database development. In only a short time you can be writing programs as diverse as a server-side browser plug-in or the next great iPhone or Android application!

- Learn about SQLite extensions for C, Java, Perl, PHP, Python, Ruby, and Tcl.
- Get solid coverage of SQLite internals.
- Explore developing iOS (iPhone) and Android applications with SQLite.

SQLite is the solution chosen for thousands of products around the world, from mobile phones and GPS devices to set-top boxes and web browsers. You almost certainly use SQLite every day without even realizing it!

What you'll learn

- Deploy SQLite as the database engine for iPhone and Android applications.
- Interact with SQLite from Java, C++, PHP, and other key languages.
- Create robust database designs, taking advantage of support for primary and foreign key constraints.
- Embed zero-maintenance databases directly within applications that you write.
- Improve performance through a good understanding of SQLite internals.
- Exploit features such as the shared cache, the SQL Logic Test Suite, the Unlock and Notify APIs, and query plan improvements.

Who this book is for

The Definitive Guide to SQLite is for developers needing a zero-maintenance database solution to deploy as an embedded component within their product. The book is especially useful for mobile developers delivering applications to run on the iPhone, or on the Android platform. PHP developers will also find the book useful if they are using the default database delivered as part of a PHP installation.

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