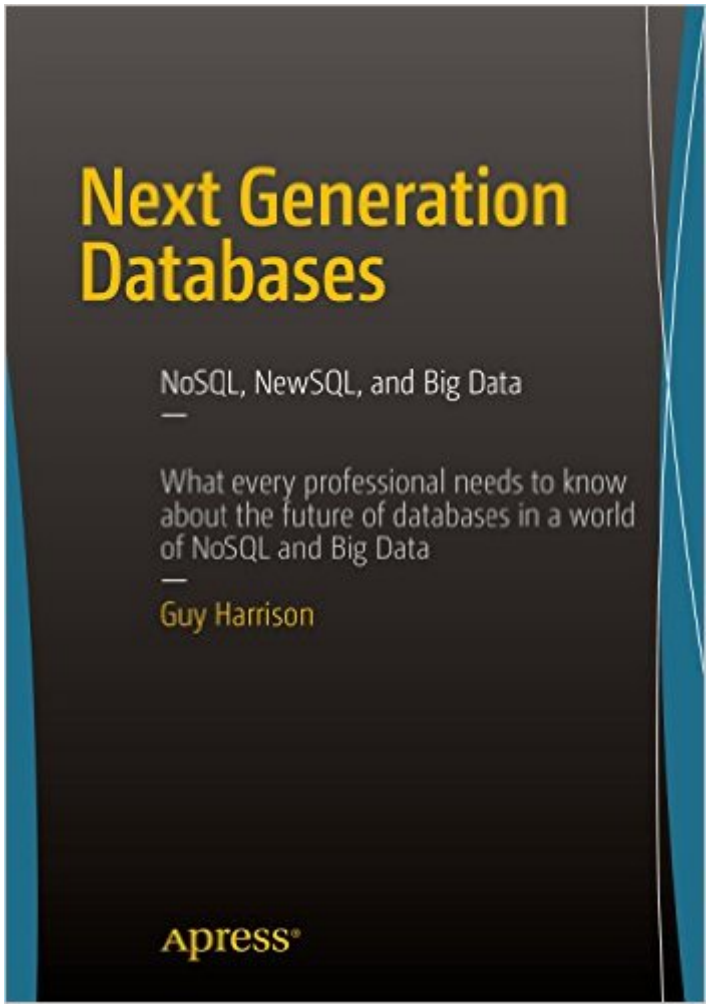
The book was found

Next Generation Databases: NoSQL, NewSQL, And Big Data



PDF
Adobe
DOWNLOAD EBOOK

Synopsis

Next Generation Databases is a book for enterprise architects, database administrators, and developers who need to understand the latest developments in database technologies. It is the book to help you choose the correct database technology at a time when fundamental architectural differences are making what used to be an easy choice into a difficult one that is fraught with risk.The relational database (RDBMS) model completely dominated database technology for over 20 years. Today this "one size fits all" stability has been disrupted by a seemingly sudden explosion of new database technologies. These paradigm-busting technologies are driving the "Big Data" and "NoSQL" revolutions, as well as forcing fundamental changes in databases across the boardDeciding to use a relational database once was truly a no-brainer, and the various commercial relational databases competed on price, performance, reliability, and ease of use rather than on fundamental architectures. All that is changed. Now we have fundamental architectural differences that must be considered or projects will fail. Choosing the right database today is a complex undertaking, with serious economic and technological consequences. Next Generation Databases demystifies todayâ ™s new database technologies. The book describes what each technology was designed to solve. It shows how each technology can be used to solve real word application and business problems. Most importantly, this book highlights the architectural differences between technologies that are so very important for you to consider when choosing a database platform for new and upcoming projects. â ¢ Introduces the new technologies that have revolutionized the database landscapeâ ¢ Describes how each technology can be used to solve specific application or business challengesâ ¢ Reviews the most popular new wave databases and how they use these new database technologiesWhat you’ll learnUnderstand new technologies disrupting the database landscape and powering applications that are changing our lives. Choose the best database technology for the success of your business and projects.Position your career to ride the wave of these new database technologies.Maximize return on investment from NoSQL and other new-wave technologies.Take advantage of next-generation features being incorporated into traditional database products such as Oracle Database and Microsoft SQL Server.Accelerate existing database platforms via new hardware capabilities.Who this book is forNext Generation Databases is a book for software architects, developers, and database professionals who need to understand the next generation of database technologies. Developers and architects need to understand the characteristics of the new wave of databases systems so that they can choose the one which best suits the needs of their current project. Database professionals who want to survive and thrive in increasingly heterogeneous database landscape will find this book a perfect guide to

the new architectures and the problems they are best at solving.

Book Information

File Size: 4363 KB

Print Length: 262 pages

Page Numbers Source ISBN: 1484213300

Publisher: Apress; 1 edition (December 14, 2015)

Publication Date: December 14, 2015

Sold by:Â Digital Services LLC

Language: English

ASIN: B015PQPALM

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Not Enabled

Best Sellers Rank: #118,487 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #5 inÂ Books > Computers & Technology > Databases & Big Data > Relational Databases #41 inÂ Kindle Store > Kindle eBooks > Computers & Technology > Databases #66 inÂ Kindle Store > Kindle eBooks > Computers & Technology > Programming > Software Design > Software Development

Customer Reviews

Hi,I have written a detailed chapter-by-chapter review of this book on www DOT i-programmer DOT info, the first and last parts of this review are given here. For my review of all chapters, search i-programmer DOT info for STIRK together with the book's title.This book aims to help you choose the correct database technology, in the era of Big Data, NoSQL, and NewSQL, how does it fare?This book is aimed at â œenterprise architects, database administrators, and developers who need to understand the latest developments in database technologiesâ •. Some existing knowledge of databases (relational and NoSQL) is useful in understanding the book.Below is a chapter-by-chapter exploration of the topics covered.Part I: Next Generation DatabasesChapter 1 Three Database RevolutionsThe book opens with a diagram showing the timeline of major database releases, being divided into: pre-relational (1950-1972), relational (1972-2005), and Next Generation (2005-2015). This book is concerned with the Next Generation databases, but first a bit of history and context...The chapter takes a brief look at the first database revolution, involving

Database Management Systems (DBMS) such as hierarchical databases (e.g. IMS) and network databases (e.g. IDMS) , running on mainframes. These systems were relatively inflexible and difficult to maintain.Next, the second database revolution is examined, concerned with the widely used relational databases (RDBMS). These are based on relational theory, with its tuples, relations, constraints, normalization, and transactions. The widespread adoption of SQL enhanced their usage.

Download to continue reading...

Next Generation Databases: NoSQL, NewSQL, and Big Data Next Generation Databases: NoSQLand Big Data Data Architecture: A Primer for the Data Scientist: Big Data, Data Warehouse and Data Vault Big Data For Beginners: Understanding SMART Big Data, Data Mining & Data Analytics For improved Business Performance, Life Decisions & More! Data Analytics: Practical Data Analysis and Statistical Guide to Transform and Evolve Any Business Leveraging the Power of Data Analytics, Data Science, ... (Hacking Freedom and Data Driven Book 2) The Data Revolution: Big Data, Open Data, Data Infrastructures and Their Consequences Big Data, MapReduce, Hadoop, and Spark with Python: Master Big Data Analytics and Data Wrangling with MapReduce Fundamentals using Hadoop, Spark, and Python Understanding Cloud, IoT and Big data (Cloud, IoT & Big Data: Basic To AWS SA Professional Book 1) Graph Databases: New Opportunities for Connected Data Data Management: Databases & Organizations Spatial Databases: With Application to GIS (The Morgan Kaufmann Series in Data Management Systems) Making Sense of NoSQL: A guide for managers and the rest of us NoSQL Distilled: A Brief Guide to the Emerging World of Polyglot Persistence NoSQL for Mere Mortals NoSQL Web Development with Apache Cassandra LEARN IN A DAY! DATA WAREHOUSING. Top Links and Resources for Learning Data Warehousing ONLINE and OFFLINE: Use these FREE and PAID resources to Learn Data Warehousing in little to no time Discovering Knowledge in Data: An Introduction to Data Mining (Wiley Series on Methods and Applications in Data Mining) Data Just Right: Introduction to Large-Scale Data & Analytics (Addison-Wesley Data and Analytics) Generation to Generation: Family Process in Church and Synagogue (Guilford Family Therapy (Paperback)) German Home Cooking: More Than 100 Authentic German Recipes; Passed Down from Generation to Generation

Dmca