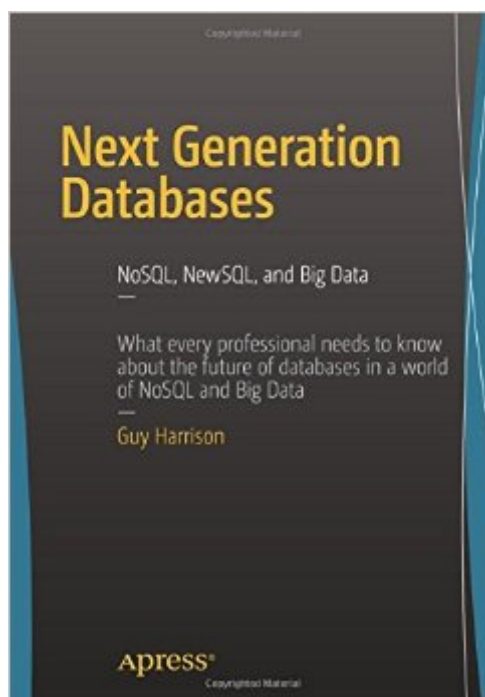


The book was found

Next Generation Databases: NoSQL and Big Data



Synopsis

"It's not easy to find such a generous book on big data and databases. Fortunately, this book is the one." Feng Yu. Computing Reviews. June 28, 2016. This 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 concepts such as Big Data, NoSQL and NewSQL are making what used to be an easy choice into a complex decision with significant implications. 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 relatively recent explosion of new database technologies. These paradigm-busting technologies are powering the "Big Data" and "NoSQL" revolutions, as well as forcing fundamental changes in databases across the board. Deciding to use a relational database was once truly a no-brainer, and the various commercial relational databases competed on price, performance, reliability, and ease of use rather than on fundamental architectures. Today we are faced with choices between radically different database technologies. Choosing the right database today is a complex undertaking, with serious economic and technological consequences. Next Generation Databases demystifies today'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 world application and business problems. Most importantly, this book highlights the architectural differences between technologies that are the critical factors to consider when choosing a database platform for new and upcoming projects. Introduces the new technologies that have revolutionized the database landscape Describes how each technology can be used to solve specific application or business challenges Reviews the most popular new wave databases and how they use these new database technologies

Book Information

Paperback: 235 pages

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

Language: English

ISBN-10: 1484213300

ISBN-13: 978-1484213308

Product Dimensions: 7 x 0.6 x 10 inches

Shipping Weight: 12.6 ounces (View shipping rates and policies)

Average Customer Review: 4.8 out of 5 stars See all reviews (9 customer reviews)

Best Sellers Rank: #318,932 in Books (See Top 100 in Books) #11 in Books > Computers & Technology > Databases & Big Data > Relational Databases #325 in Books > Textbooks > Computer Science > Database Storage & Design #368 in Books > Textbooks > Computer Science > Software Design & Engineering

Customer Reviews

Hi,I have written a detailed chapter-by-chapter review of this book on [www.DOT i-programmer DOT info](http://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](http://www.DOT-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 enterprise architects, database administrators, and developers who need to understand the latest developments in database technologies • 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 Databases

Chapter 1

Three Database Revolutions

The 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: NoSQLand Big Data Next Generation Databases: NoSQL, NewSQL, and 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) Discovering Knowledge in Data: An Introduction to Data Mining (Wiley Series on Methods and Applications in Data Mining) 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 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 GENERATION Z: How this Generation is Different from Millennials (What Parents Need to Know) Contemporary Fashion Dolls: The Next Generation Next Generation SOA: A Concise Introduction to Service Technology & Service-Oriented Architecture (The Prentice Hall Service Technology Series from Thomas Erl) I Am Plastic, Too: The Next Generation of Designer Toys

[Dmca](#)