

# Sql Server Query Performance Tuning Distilled 2nd Edition

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**Microsoft SQL Server 2012 Integration Services** - Reza Rad  
2012-01-01

Over 100 expert recipes to design, create, and deploy SSIS packages with this book and ebook.

**Microsoft Dynamics NAV 2009** - Steven Renders

2011-10-03

This book doesn't assume any prior experience with Dynamics NAV reporting. It is designed as an easy to follow guide, where each chapter builds upon the previous one, but can also be read completely separately. Basically this book is for everyone who is using Microsoft Dynamics NAV or has an interest on the reporting capabilities of NAV 2009. The book does not have major prerequisites, although it is mainly focused on Dynamics NAV 2009, RDLC and Business Intelligence. Whether you are a Dynamics NAV consultant, developer, customer, project manager, or just interested in the reporting capabilities of Dynamics NAV, this book can provide you with information from a helicopter view down to the smallest details, tips and tricks, and workarounds. Empowered with the

information in this book you should be able to master, analyse and deliver the most challenging reporting requirements in Dynamics NAV.

*SQL Server Query Performance Tuning Distilled, Second Edition* - Sajal Dam 2005\*

**Handbook of Research on Machine Learning Innovations and Trends** -

Hassanien, Aboul Ella  
2017-04-03

Continuous improvements in technological applications have allowed more opportunities to develop automated systems. This not only leads to higher success in smart data analysis, but it increases the overall probability of technological progression. The Handbook of Research on Machine Learning Innovations and Trends is a key resource on the latest advances and research regarding the vast range of advanced systems and applications involved in

machine intelligence. Highlighting multidisciplinary studies on decision theory, intelligent search, and multi-agent systems, this publication is an ideal reference source for professionals and researchers working in the field of machine learning and its applications.

**Microsoft Dynamics Nav Administration** - Amit Sachdev 2010-09-24

A quick book and eBook guide to installing, configuring, deploying, and administering Dynamics NAV with ease

**PostgreSQL Development Essentials** - Manpreet Kaur 2016-09-26

Develop programmatic functions to create powerful database applications About This Book Write complex SQL queries and design a robust database design that fits your application's need Improve database performance by indexing, partitioning tables, and query optimizing A comprehensive guide

covering the advanced PostgreSQL concepts without any hassle Who This Book Is For If you are a PostgreSQL developer with a basic knowledge of PostgreSQL development and you're want deeper knowledge to develop applications, then this book is for you. As this book does not cover basic installation and configurations, you should have PostgreSQL installed on your machine as a prerequisite. What You Will Learn Write more complex queries with advanced SQL queries Design a database that works with the application exactly the way you want Make the database work in extreme conditions by tuning, optimizing, partitioning, and indexing Develop applications in other programming languages such as Java and PHP Use extensions to get extra benefits in terms of functionality and performance Build an application that does not get locked by data manipulation

Explore in-built db functions and data type conversions In Detail PostgreSQL is the most advanced open source database in the world. It is easy to install, configure, and maintain by following the documentation; however, it's difficult to develop applications using programming languages and design databases accordingly. This book is what you need to get the most out of PostgreSQL You will begin with advanced SQL topics such as views, materialized views, and cursors, and learn about performing data type conversions. You will then perform trigger operations and use trigger functions in PostgreSQL. Next we walk through data modeling, normalization concepts, and the effect of transactions and locking on the database. The next half of the book covers the types of indexes, constrains, and the concepts of table partitioning, as well as the different mechanisms and

approaches available to write efficient queries or code. Later, we explore PostgreSQL Extensions and Large Object Support in PostgreSQL. Finally, you will perform database operations in PostgreSQL using PHP and Java. By the end of this book, you will have mastered all the aspects of PostgreSQL development. You will be able to build efficient enterprise-grade applications with PostgreSQL by making use of these concepts Style and approach Every chapter follows a step by step approach that first explains the concept , then shows you how to execute it practically so that you can implement them in your application.

**Microsoft SQL Server 2012 Performance Tuning Cookbook** - Ritesh Shah 2012-07-26  
Over 80 recipes to help you tune SQL Server 2012 and achieve optimal performance.

## **SQL Server 2012 Query Performance Tuning -**

Grant Fritchey 2013-11-19  
Queries not running fast enough? Tired of the phone calls from frustrated users? Grant Fritchey's book *SQL Server 2012 Query Performance Tuning* is the answer to your SQL Server query performance problems. The book is revised to cover the very latest in performance optimization features and techniques. It is current with SQL Server 2012. It provides the tools you need to approach your queries with performance in mind. *SQL Server 2012 Query Performance Tuning* leads you through understanding the causes of poor performance, how to identify them, and how to fix them. You'll learn to be proactive in establishing performance baselines using tools like Performance Monitor and Extended Events. You'll learn to recognize bottlenecks and defuse them before the phone

rings. You'll learn some quick solutions too, but emphasis is on designing for performance and getting it right, and upon heading off trouble before it occurs. Delight your users. Silence that ringing phone. Put the principles and lessons from *SQL Server 2012 Query Performance Tuning* into practice today. Establish performance baselines and monitor against them. Troubleshoot and eliminate bottlenecks that frustrate users. Plan ahead to achieve the right level of performance.

*Zen of Cloud* - Haishi Bai  
2014-08-12  
*Zen of Cloud: Learning Cloud Computing by Examples on Microsoft Azure* provides comprehensive coverage of the essential theories behind cloud computing and the Windows Azure cloud platform. Sharing the author's insights gained while working at Microsoft's headquarters, it presents nearly 70 end-to-end examples with step-by-

step guidance on implement

**Beginning T-SQL** - Kathi Kellenberger 2014-08-18

Beginning T-SQL is a performance-oriented introduction to the T-SQL language underlying the Microsoft SQL Server database engine. T-SQL is essential in writing SQL statements to get data into and out of a database. T-SQL is the foundation for business logic embedded in the database in the form of stored procedures and functions. Beginning T-SQL starts you on the path to mastering T-SQL, with an emphasis on best-practices and sound coding techniques leading to excellent performance. This new edition is updated to cover the essential features of T-SQL found in SQL Server 2014, 2012, and 2008. Beginning T-SQL begins with an introduction to databases, normalization, and to SQL Server Management Studio. Attention is given to Azure SQL Database and how to

connect to remote databases in the cloud. Each subsequent chapter teaches an aspect of T-SQL, building on the skills learned in previous chapters. Exercises in most chapters provide an opportunity for the hands-on practice that leads to true learning and distinguishes the competent professional. Important techniques such as windowing functions are covered to help write fast executing queries that solve real business problems. A stand-out feature in this book is that most chapters end with a "Thinking About Performance" section. These sections cover aspects of query performance relative to the content just presented. They'll help you avoid beginner mistakes by knowing about and thinking about performance from Day 1. Imparts best practices for writing T-SQL Helps you avoid common errors Shows how to write scalable code for good performance

**Beginning T-SQL 2012** -

Kathi Kellenberger

2012-09-14

Beginning T-SQL 2012 is the first step toward learning the T-SQL language that underlies Microsoft's SQL Server database engine. T-SQL is essential in writing SQL statements to get data into and out of a database. T-SQL is the foundation for business logic embedded in the database in the form of stored procedures and functions. Beginning T-SQL 2012 starts you on the path to mastering T-SQL, with an emphasis on best practices and sound coding techniques. Beginning T-SQL 2012 begins with an introduction to databases, normalization, and to SQL Server Management Studio. Each subsequent chapter teaches an aspect of T-SQL, building on the skills learned in previous chapters. Exercises in each chapter give readers an opportunity for the hands-on practice that leads to true learning and distinguishes the competent professional.

Imparts best practices for writing T-SQL Helps you avoid common errors Shows how to write scalable code for good performance

*NoSQL Distilled* - Pramod J. Sadalage 2013

'NoSQL Distilled' is designed to provide you with enough background on how NoSQL databases work, so that you can choose the right data store without having to trawl the whole web to do it. It won't answer your questions definitively, but it should narrow down the range of options you have to consider.

**The Art of High Performance SQL Code** - Grant Fritchey 2009-03

Execution plans show you what's going on behind the scenes in SQL Server. They can provide you with a wealth of information on how your queries are being executed by SQL Server, including: Which indexes are being used, and where no indexes are being used at all. How the data is being retrieved, and joined, from

the tables defined in your query. How aggregations in GROUP BY queries are put together. The anticipated load and the estimated cost that all these operations place upon the system. Grant Fritchey's book is the only in-depth look at how to improve your SQL query performance through careful design of execution plans. Sample chapters of the ebook have garnered stunning reviews, such as: "All I can say is WOW. This has to be the best reference I have ever seen on Execution Plans in SQL Server. My hats off to Grant Fritchey" Jonathan Kehayias.

### **SQL Server Execution**

**Plans** - Grant Fritchey 2012 Every day, out in the various online forums devoted to SQL Server, and on Twitter, the same types of questions come up repeatedly: Why is this query running slowly? Why is SQL Server ignoring my index? Why does this query run quickly sometimes and slowly at others? My response is the

same in each case: have you looked at the execution plan? An execution plan describes what's going on behind the scenes when SQL Server executes a query. It shows how the query optimizer joined the data from the various tables defined in the query, which indexes it used, if any, how it performed any aggregations or sorting, and much more. It also estimates the cost of all of these operations, in terms of the relative load placed on the system. Every Database Administrator, developer, report writer, and anyone else who writes T-SQL to access SQL Server data, must understand how to read and interpret execution plans. My book leads you right from the basics of capturing plans, through how to interrupt them in their various forms, graphical or XML, and then how to use the information you find there to diagnose the most common causes of poor query performance,



and so optimize your SQL queries, and improve your indexing strategy.

*SQL Server 2008 Query Performance Tuning Distilled*

- Sajal Dam 2009-05-01

SQL Server 2008 Query Performance Tuning Distilled

presents a direct trouble-shooting methodology for identifying poorly-performing stored procedures and queries, isolating the causes of that poor performance, and fixing the underlying problems. Each chapter is dedicated to one of the top causes of poorly performing queries and shows methods for identifying and dealing with the problems in that chapter's domain. Emphasis is always put upon or placed upon practical methods that you can put to immediate use in your day-to-day work. SQL Server 2008 functionality, tips, and tricks are emphasized in each subject area. Emphasizes the practical. Does not bury readers in theory. Gives readers practical techniques

to immediately apply in their daily work. Dedicating a chapter to each of the most common, performance-related problem areas.

**SQL Tuning** - Dan Tow 2003-11-19

A poorly performing database application not only costs users time, but also has an impact on other applications running on the same computer or the same network. SQL Tuning provides an essential next step for SQL developers and database administrators who want to extend their SQL tuning expertise and get the most from their database applications. There are two basic issues to focus on when tuning SQL: how to find and interpret the execution plan of an SQL statement and how to change SQL to get a specific alternate execution plan. SQL Tuning provides answers to these questions and addresses a third issue that's even more important: how to find the optimal

execution plan for the query to use. Author Dan Tow outlines a timesaving method he's developed for finding the optimum execution plan--rapidly and systematically--regardless of the complexity of the SQL or the database platform being used. You'll learn how to understand and control SQL execution plans and how to diagram SQL queries to deduce the best execution plan for a query. Key chapters in the book include exercises to reinforce the concepts you've learned. SQL Tuning concludes by addressing special concerns and unique solutions to "unsolvable problems." Whether you are a programmer who develops SQL-based applications or a database administrator or other who troubleshoots poorly tuned applications, SQL Tuning will arm you with a reliable and deterministic method for tuning your SQL queries to gain optimal performance.

## **Apache Spark**

## **Implementation on IBM z/OS** - Lydia Parziale 2016-08-13

The term big data refers to extremely large sets of data that are analyzed to reveal insights, such as patterns, trends, and associations.

The algorithms that analyze this data to provide these insights must extract value from a wide range of data sources, including business data and live, streaming, social media data. However, the real value of these insights comes from their timeliness. Rapid delivery of insights enables anyone (not only data scientists) to make effective decisions, applying deep intelligence to every enterprise application.

Apache Spark is an integrated analytics framework and runtime to accelerate and simplify algorithm development, deployment, and realization of business insight from analytics. Apache Spark on IBM® z/OS® puts the open source engine, augmented with unique differentiated

features, built specifically for data science, where big data resides. This IBM Redbooks® publication describes the installation and configuration of IBM z/OS Platform for Apache Spark for field teams and clients. Additionally, it includes examples of business analytics scenarios.

### **Beginning SQL Server 2008 Administration** -

Robert Walters 2010-03-26  
Beginning SQL Server 2008 Administration is essential for anyone wishing to learn about implementing and managing SQL Server 2008 database. From college students, to experienced database administrators from other platforms, to those already familiar with SQL Server and wanting to fill in some gaps of knowledge, this book will bring all readers up to speed on the enterprise platform Microsoft SQL Server 2008. Clearly describes relational database concepts Explains the SQL Server database engine and supporting tools

Shows various database maintenance scenarios

### **Mastering SQL Queries for SAP Business One** -

Gordon Du 2011-05-24

Utilize the power of SQL queries to bring Business Intelligence to your small to medium-sized business with this book and eBook.

### SQL Server Query

Performance Tuning - Grant Fritchey 2014-09-16

Queries not running fast enough? Wondering about the in-memory database features in 2014? Tired of phone calls from frustrated users? Grant Fritchey's book SQL Server Query Performance Tuning is the answer to your SQL Server query performance problems. The book is revised to cover the very latest in performance optimization features and techniques, especially including the newly-added, in-memory database features formerly known under the code name Project Hekaton. This book provides the tools you need to

approach your queries with performance in mind. *SQL Server Query Performance Tuning* leads you through understanding the causes of poor performance, how to identify them, and how to fix them. You'll learn to be proactive in establishing performance baselines using tools like Performance Monitor and Extended Events. You'll learn to recognize bottlenecks and defuse them before the phone rings. You'll learn some quick solutions too, but emphasis is on designing for performance and getting it right, and upon heading off trouble before it occurs. Delight your users. Silence that ringing phone. Put the principles and lessons from *SQL Server Query Performance Tuning* into practice today. Covers the in-memory features from Project Hekaton Helps establish performance baselines and monitor against them Guides in troubleshooting and

eliminating of bottlenecks that frustrate users  
*SQL Performance Tuning* - Peter Gulutzan 2003  
A very practical guide to making databases run faster and better. A poorly performing database application can cost each user time, and have an impact on other applications running on the same computer or the same network. This book will help DBAs and programmers improve the performance of their databases.

**Professional SQL Server 2008 Internals and Troubleshooting** - Christian Bolton 2010-06-22  
A hands-on resource for SQL Server 2008 troubleshooting methods and tools SQL Server administrators need to ensure that SQL Server remains running 24/7. Authored by leading SQL Server experts and MVPs, this book provides in-depth coverage of best practices based on a deep understanding of the internals of both SQL Server

and the Windows operating system. You'll get a thorough look at the SQL Server database architecture and internals as well as Windows OS internals so that you can approach troubleshooting with a solid grasp of the total processing environment. Armed with this comprehensive understanding, readers will then learn how to use a suite of tools for troubleshooting performance problems whether they originate on the database server or operating system side.

Topics Covered: SQL Server Architecture Understanding Memory SQL Server Waits and Extended Events Working with Storage CPU and Query Processing Locking and Latches Knowing Tempdb Defining Your Approach To Troubleshooting Viewing Server Performance with PerfMon and the PAL Tool Tracing SQL Server with SQL Trace and Profiler

Consolidating Data Collection with SQLDiag and the PerfStats Script  
Introducing RML Utilities for Stress Testing and Trace File Analysis Bringing It All Together with SQL Nexus Using Management Studio Reports and the Performance Dashboard Using SQL Server Management Data Warehouse Shortcuts to Efficient Data Collection and Quick Analysis Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Mastering SQL Server Profiler - Brad McGehee 2009

**Expert Performance Indexing in SQL Server** - Jason Strate 2015-11-11  
This book is a deep dive into perhaps the single-most important facet of good performance: indexes, and how to best use them. The book begins in the shallow waters with explanations of the types of indexes and

how they are stored in databases. Moving deeper into the topic, and further into the book, you will look at the statistics that are accumulated both by indexes and on indexes. You'll better understand what indexes are doing in the database and what can be done to mitigate and improve their effect on performance. The final destination is a guided tour through a number of real life scenarios showing approaches you can take to investigate, mitigate, and improve the performance of your database. Defines the types of indexes and their implementation options Provides use cases and common patterns in applying indexing Describes and explain the index metadata and statistics Provides a framework of strategies and approaches for indexing databases  
*Learning MySQL* - Saied M.M. Tahaghoghi  
2007-11-28  
Presents instructions on

using MySQL, covering such topics as installation, querying, user management, security, and backups and recovery.  
**SQL Server MVP Deep Dives, Volume 2** - Kalen Delaney 2011-10-24  
Summary SQL Server MVP Deep Dives, Volume 2 is a unique book that lets you learn from the best in the business - 64 SQL Server MVPs offer completely new content in this second volume on topics ranging from testing and policy management to integration services, reporting, and performance optimization techniques...and more. About this Book To become an MVP requires deep knowledge and impressive skill. Together, the 64 MVPs who wrote this book bring about 1,000 years of experience in SQL Server administration, development, training, and design. This incredible book captures their expertise and passion in 60 concise, hand-picked chapters and offers

valuable insights for readers of all levels. SQL Server MVP Deep Dives, Volume 2 picks up where the first volume leaves off, with completely new content on topics ranging from testing and policy management to integration services, reporting, and performance optimization. The chapters fall into five parts: Architecture and Design, Database Administration, Database Development, Performance Tuning and Optimization, and Business Intelligence. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book. What's Inside Discovering servers with PowerShell Using regular expressions in SSMS Tuning the Transaction Log for OLTP Optimizing SSIS for dimensional data Real-time BI and much more Manning Publications and the authors of this book support the children of Operation Smile, an international children's

medical charity that performs free reconstructive surgery for children suffering from facial deformities such as cleft lips and cleft palates by mobilizing medical volunteers who provide education and training programs to local doctors on the latest surgical techniques.

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by Andy Leonard Exploring different types of enumerators in the SSIS Foreach Loop container by Abolfazl Radgoudarzi and Shahriar Nikkhah Late-arriving dimensions in SSIS by John Welch Why automate tasks with SSIS? by Ted Krueger Extending SSIS using the Script component by Tim Mitchell ETL design checklist by Rafael Salas Autogenerating SSAS cubes by Johan Ahlen Scripting SSAS databases - AMO and PowerShell, Better Together by Darren Gosbell Managing context in MDX by Boyan Penev Using time intelligence functions in PowerPivot by Thiago Zavaschi Easy BI with Silverlight PivotViewer by Gogula Aryalingam Excel as a BI frontend tool by Pedro Perfeito Real-time BI with StreamInsight by Allan Mitchell BI solution development design considerations by Siddharth Mehta  
PostgreSQL Replication - Hans-Jürgen Schönig

2015-07-28

PostgreSQL offers a comprehensive set of replication related features. Unleashing the power of PostgreSQL provides you with countless opportunities and a competitive advantage over other database systems. This book will guide you through the most important concepts of PostgreSQL replication. It contains all the information you need to design and operate replicated setups. Beginning by giving you an understanding of replication concepts, the PostgreSQL transaction log, and Point-in-time Recovery, we gradually move on to setting up asynchronous and synchronous replication. Next up, you will learn to monitor a PostgreSQL cluster setup, deal with monitoring tools, and then move on to understanding Linux High Availability. Further, we explore widely-used tools such as Slony, SkyTools, Postgres-XC, and walbouncer, and set up

PL/Proxy. Finally, you'll get acquainted with the new technology of BDR, which allows bidirectional replication in PostgreSQL. [Beginning SQL Server 2012 Administration](#) - Robert Walters 2012-12-17 [Beginning SQL Server 2012 Administration](#) provides the essential skills and knowledge needed to begin a successful career as an SQL Server database administrator. It's an ideal book for those new to database administration, as well for those moving to SQL Server from other database brands such as Oracle and IBM DB2. SQL Server is more than just a database. It's situated within a larger context that includes solutions for reporting, for integrating data from other systems, for business intelligence and analysis, and more. [Beginning SQL Server 2012 Administration](#) paints the big picture to help you understand SQL Server's place in the grand scheme. Then you'll move

into the nuts and bolts of installing the product, learning the management tools at your disposal, creating your first database, and maintaining that database in an ongoing state of readiness.

Beginning SQL Server 2012 Administration goes beyond teaching just the core competencies of effective database administration. You will also learn the latest trends in SQL Server such as virtualizing and consolidating of servers, and using SQL Server in the cloud as a service.

Administrators experienced on other platforms will find insight from comparisons of key features between SQL Server and other platforms. Beginning SQL Server 2012 Administration lays an excellent foundation for success as an SQL Server database administrator. Provides the essentials of successful SQL Server administration Covers the latest trends such as virtualization and cloud

computing Paints the big picture of Microsoft's data platform

### **Expert SQL Server 2005 Development** - Adam

Machanic 2007-10-13

While building on the skills you already have, Expert SQL Server 2005

Development will help you become an even better developer by focusing on best practices and demonstrating how to design high-performance, maintainable database applications. This book starts by reintroducing the database as a integral part of the software development ecosystem. You'll learn how to think about SQL Server development as you would any other software development. For example, there's no reason you can't architect and test database routines just as you would architect and test application code. And nothing should stop you from implementing the types of exception handling and security rules that are

considered so important in other tiers, even if they are usually ignored in the database. You'll learn how to apply development methodologies like these to produce high-quality encryption and SQLCLR solutions. Furthermore, you'll discover how to exploit a variety of tools that SQL Server offers in order to properly use dynamic SQL and to improve concurrency in your applications. Finally, you'll become well versed in implementing spatial and temporal database designs, as well as approaching graph and hierarchy problems.

*The Lazy Project Manager* -

Peter Taylor 2015-10-26

The Lazy Project Manager shows how adopting a more focused approach to life, projects and work can make us twice as productive. By concentrating project management to exercise effort where it really matters we will work smarter. The simple techniques of lazy project management can

help us to work more effectively and improve our work-life balance.

SQL Server Query

Performance Tuning Distilled

- Sajal Dam 2004-10-20

\* A completely revised edition of a book that is highly-regarded in the community (as evidenced by Amazon reviews and other customer feedback). \* The only comprehensive, practical guide to performance optimization techniques for SQL Server applications. \* Essential reading for any DBA or developer responsible for the performance of an existing SQL Server system, or the design of a new one.

*Expert Cube Development*

*with SSAS Multidimensional Models* - Chris Webb

2014-02-24

An easy-to-follow guide full of hands on examples of real-world Analysis Services cube development tasks. Each topic is explained and placed in context, and for the more inquisitive reader, there also more in-depth

details of the concepts used. If you are an Analysis Services cube designer wishing to learn more advanced topic and best practices for cube design, this book is for you. You are expected to have some prior experience with Analysis Services cube development. *SQL Server Advanced Data Types* - Peter A. Carter  
2018-08-23  
Deliver advanced functionality faster and cheaper by exploiting SQL Server's ever-growing amount of built-in support for modern data formats. Learn about the growing support within SQL Server for operations and data transformations that have previously required third-party software and all the associated licensing and development costs. Benefit through a better understanding of what can be done inside the database engine with no additional costs or development time invested in outside software. Widely used types such as

JSON and XML are well-supported by the database engine. The same is true of hierarchical data and even temporal data. Knowledge of these advanced types is crucial to unleashing the full power that's available from your organization's SQL Server database investment. *SQL Server Advanced Data Types* explores each of the complex data types supplied within SQL Server. Common usage scenarios for each complex data type are discussed, followed by a detailed discussion on how to work with each data type. Each chapter demystifies the complex data and you learn how to use the data types most efficiently. The book offers a practical guide to working with complex data, using real-world examples to demonstrate how each data type can be leveraged. Performance considerations are also discussed, including the implementation of special indexes such as XML indexes and spatial indexes.

What You'll Learn  
Understand the implementation of basic data types and why using the correct type is so important  
Work with XML data through the XML data type  
Construct XML data from relational result sets  
Store and manipulate JSON data using the JSON data type  
Model and analyze spatial data for geographic information systems  
Define hierarchies and query them efficiently through the HierarchyID type  
Who This Book Is For  
SQL Server developers and application developers who need to store and access complex data structures

Advanced Machine Learning Technologies and Applications

- Aboul Ella Hassanien 2014-11-04  
This book constitutes the refereed proceedings of the Second International Conference on Advanced Machine Learning Technologies and Applications, AMLTA 2014, held in Cairo, Egypt, in

November 2014. The 49 full papers presented were carefully reviewed and selected from 101 initial submissions. The papers are organized in topical sections on machine learning in Arabic text recognition and assistive technology; recommendation systems for cloud services; machine learning in watermarking/authentication and virtual machines; features extraction and classification; rough/fuzzy sets and applications; fuzzy multi-criteria decision making; Web-based application and case-based reasoning construction; social networks and big data sets.

*Mastering MariaDB -*

Federico Razzoli 2014-09-24  
This book is intended for intermediate users who want to learn how to administrate a MariaDB server or a set of servers. It is aimed at MariaDB users, and hence working knowledge of MariaDB is a prerequisite.

*SQL Server Query Performance Tuning Distilled*

- Sajal Dam 2007-03-01

\* A completely revised edition of a book that is highly-regarded in the community (as evidenced by Amazon reviews and other customer feedback). \* The only comprehensive, practical guide to performance optimization techniques for SQL Server applications. \* Essential reading for any DBA or developer responsible for the performance of an existing SQL Server system, or the design of a new one.

*PostgreSQL for Data Architects* - Jayadevan Maymala 2015-03-30

This book is for developers and data architects who have some exposure to databases. It is assumed that you understand the basic concepts of tables and common database objects, including privileges and security.

*PostgreSQL Server Programming - Second Edition* - Usama Dar

2015-02-26

This book is for moderate to advanced PostgreSQL database professionals who wish to extend PostgreSQL, utilizing the most updated features of PostgreSQL 9.4. For a better understanding of this book, familiarity with writing SQL, a basic idea of query tuning, and some coding experience in your preferred language is expected.

*Readings in Database Systems* - Joseph M.

Hellerstein 2005

The latest edition of a popular text and reference on database research, with substantial new material and revision; covers classical literature and recent hot topics. Lessons from database research have been applied in academic fields ranging from bioinformatics to next-generation Internet architecture and in industrial uses including Web-based e-commerce and search engines. The core ideas in the field have become

increasingly influential. This text provides both students and professionals with a grounding in database research and a technical context for understanding recent innovations in the field. The readings included treat the most important issues in the database area--the basic material for any DBMS professional. This fourth edition has been substantially updated and revised, with 21 of the 48 papers new to the edition, four of them published for the first time. Many of the sections have been newly organized, and each section includes a new or substantially revised introduction that discusses the context, motivation, and controversies in a particular area, placing it in the broader perspective of database research. Two introductory articles, never before published, provide an organized, current introduction to basic knowledge of the field; one discusses the history of data

models and query languages and the other offers an architectural overview of a database system. The remaining articles range from the classical literature on database research to treatments of current hot topics, including a paper on search engine architecture and a paper on application servers, both written expressly for this edition. The result is a collection of papers that are seminal and also accessible to a reader who has a basic familiarity with database systems.

*Getting Started with Amazon Redshift* - Stefan Bauer  
2013-06-14

Getting Started With Amazon Redshift is a step-by-step, practical guide to the world of Redshift. Learn to load, manage, and query data on Redshift. This book is for CIOs, enterprise architects, developers, and anyone else who needs to get familiar with RedShift. The CIO will gain an understanding of what their technical staff is working on;



the technical  
implementation personnel  
will get an in-depth view of

the technology, and what it  
will take to implement their  
own solutions.