

Beginning Sql Server 2012 Administration

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SIMONE GAIGE

SQL Server 2017 Administration Inside Out John Wiley & Sons





If you need to deploy, manage, or secure Microsoft SQL Server 2012, this is the complete, fast-paced, task-based reference you've been searching for. Authored by a worldclass expert on running SQL Server in the enterprise, this book goes far beyond the basics, taking on the complex tasks that DBAs need to make the most of Microsoft's first cloud-enabled database platform. Designed for maximum practical usability, it's packed with expert tips and up-to-date real-world configuration guidance you simply won't find anywhere else. As someone who helped influence the design of SQL Server 2012 and drawing on many months of beta testing, Ross Mistry provides immediately usable solutions for installation and upgrades, management and monitoring, performance and availability, security, consolidation, virtualization, troubleshooting, and more. Mistry identifies new features and corresponding best practices in every chapter, helping you take full advantage of new SQL Server innovations ranging from private cloud support to AlwaysOn Availability Groups. Understand how to: Efficiently install or upgrade the SQL Server 2012 database engine Administer and configure database engine settings, storage, I/O, and partitioning Transfer data on-premise or to the cloud Manage and optimize indexes Learn how to consolidate, virtualize and optimize SQL Server for Private Clouds Harden and audit SQL Server 2012 environments Administer security and authorization, including new Contained Databases Encrypt data and communications Design and deploy new AlwaysOn high-availability and disaster recovery features Implement maintenance best practices, including Policy-Based Management



Programming Microsoft SQL Server 2012 Beginning SQL Server 2012 Administration Presents lessons covering exam objectives, practice exercises, real-world scenarios, and practice exams on the accompanying CD-ROM.

Introducing Microsoft SQL Server 2012 Apress

MCSA GUIDE TO MICROSOFT SQL SERVER 2012 (Exam #70-462) provides a thorough introduction to essential database administration principles and practices to prepare readers for certification and career success. Ideal for formal courses, self-study, or professional reference, this detailed text employs a lab-based approach to help users develop the core knowledge and practical skills they need to master Microsoft SQL Server administration in an enterprise environment and pass Microsoft Certified Solutions Associate Exam 70-462. The text opens with information on the latest version of Microsoft SQL Server, offering step-by-step guidance on selecting an edition and completing initial installation and configuration. Several chapters then explore key topics such as database programming, security, performance tuning, backup and recovery, data integration, and system monitoring. Within each chapter, numerous resources and features reinforce teaching and learning, including learning objectives, summaries of key ideas, hands-on activities, discussion questions, definitions of important terms, and case studies to provide real-world context. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Introducing Microsoft SQL Server 2014 Packt Publishing Ltd

Buy the print version of  Microsoft SQL Server 2012 Unleashed and get the eBook version for free! eBook version includes chapters 44-60 not included in the print. See inside the book for access code and details.  With up-to-the-minute content, this is the industry's most complete, useful guide to SQL Server 2012.  You'll find start-to-finish coverage of SQL Server's core database server and management capabilities: all the real-world information, tips, guidelines, and samples you'll need to create and manage complex database solutions. The additional online chapters add extensive coverage of SQL Server Integration Services, Reporting Services, Analysis Services, T-SQL programming, .NET Framework integration, and much more.  Authored by four expert SQL Server administrators, designers, developers, architects, and consultants, this book reflects immense experience with SQL Server in production environments. Intended for intermediate-to-

advanced-level SQL Server professionals, it focuses on the product's most complex and powerful capabilities, and its newest tools and features. Understand SQL Server 2012's newest features, licensing changes, and capabilities of each edition Manage SQL Server 2012 more effectively with SQL Server Management Studio, the SQLCMD command-line query tool, and Powershell Use Policy-Based Management to centrally configure and operate SQL Server Utilize the new Extended Events trace capabilities within SSMS Maximize performance by optimizing design, queries, analysis, and workload management Implement new best practices for SQL Server high availability Deploy AlwaysOn Availability Groups and Failover Cluster Instances to achieve enterprise-class availability and disaster recovery Leverage new business intelligence improvements, including Master Data Services, Data Quality Services and Parallel Data Warehouse Deliver better full-text search with SQL Server 2012's new Semantic Search Improve reporting with new SQL Server 2012 Reporting Services features Download the following from informit.com/title/9780672336928: Sample databases and code examples  

An Expert Cookbook John Wiley & Sons

Portable and precise, this pocket-sized guide delivers ready answers for the day-to-day administration of SQL Server. Zero in on core support and maintenance tasks using quick-reference tables, instructions, and lists. You'll get the focused information you need to save time and get the job done—whether at your desk or in the field! Get fast facts to: Manage SQL Server services and clients Configure, manage, and tune servers Implement policy-based management Administer security and access Monitor server activity and tune performance Automate maintenance Perform backups and recovery

Microsoft SQL Server 2012 Bible Microsoft Press

Dive deep inside the architecture of SQL Server 2012 Explore the core engine of Microsoft SQL Server 2012--and put that practical knowledge to work. Led by a team of SQL Server experts, you'll learn the skills you need to exploit key architectural features. Go behind the scenes to understand internal operations for creating, expanding, shrinking, and moving databases--whether you're a database developer, architect, or administrator. Discover how to: Dig into SQL Server 2012 architecture and configuration Use the right recovery model and control transaction logging Reduce query execution time through proper index design Track events, from triggers to the Extended Event Engine Examine internal structures with database console commands Transcend row-size limitations with special storage capabilities Choose the right transaction isolation level and concurrency model Take control over query plan caching and reuse

Professional SQL Server 2005 Administration Apress

Beginning SQL Server 2012 Administration Apress

Beginning SQL Server 2012 for Developers Createspace Independent Publishing Platform

Conquer SQL Server 2017 administration—from the inside out Dive into SQL Server 2017 administration—and really put your SQL Server DBA expertise to work. This supremely organized reference packs hundreds of timesaving solutions, tips, and workarounds—all you need to plan, implement, manage, and secure SQL Server 2017 in any production environment: on-premises, cloud, or hybrid. Four SQL Server experts offer a complete tour of DBA capabilities available in SQL Server 2017 Database Engine, SQL Server Data Tools, SQL Server Management Studio, and via PowerShell. Discover how experts tackle today's essential tasks—and challenge yourself to new levels of mastery. • Install, customize, and use SQL Server 2017's key administration and development tools • Manage memory, storage, clustering, virtualization, and other components • Architect and implement database infrastructure, including IaaS, Azure SQL, and hybrid cloud configurations • Provision SQL Server and Azure SQL databases • Secure SQL Server via encryption, row-level security, and data masking • Safeguard Azure SQL databases using platform threat protection, firewalling, and auditing • Establish SQL Server IaaS network security groups and user-defined routes • Administer SQL Server user security and permissions • Efficiently design tables using keys, data types, columns, partitioning, and views • Utilize BLOBs and external, temporal, and memory-optimized tables • Master powerful optimization techniques involving

concurrency, indexing, parallelism, and execution plans • Plan, deploy, and perform disaster recovery in traditional, cloud, and hybrid environments For Experienced SQL Server Administrators and Other Database Professionals • Your role: Intermediate-to-advanced level SQL Server database administrator, architect, developer, or performance tuning expert • Prerequisites: Basic understanding of database administration procedures

Pro SQL Server 2012 Practices Apress

Learn how to develop powerful data analytics applications quickly for SQL Server database administrators and developers. Organizations will be able to sift data and derive the business intelligence needed to drive business decisions and profit. The addition of R to SQL Server 2016 places a powerful analytical processor into an environment most developers are already comfortable with – Visual Studio. This book walks even the newest of users through the creation process of a powerful R-language tool set for use in analyzing and reporting on your data. As a SQL Server database administrator or developer, it is sometimes difficult to stay on the bleeding edge of technology. Microsoft's addition of R to SQL Server 2016 is sure to be a game-changer, and the language will certainly become an integral part of future releases. R is in fact widely used today in statistical and related applications, and its use is only growing. Beginning SQL Server R Services helps you jump on board this important trend by providing good examples with detailed explanations of the WHY and not just the HOW. Walks you through setup and installation of SQL Server R Services. Explains the basics of working with R Tools for Visual Studio. Provides a road map to successfully creating custom R code. What You Will Learn Discover R's role in the SQL Server 2016 hierarchy. Manage the components needed to run SQL Server R Services code. Run R-language analytics and queries inside the database. Create analytic solutions that run across multiple datasets. Gain in-depth knowledge of the R language itself. Implement custom SQL Server R Services solutions. Who This Book Is For Any level of database administrator or developer, but specifically it's for those developers with the need to develop powerful data analytics applications quickly. Seasoned R developers will appreciate the book for its robust learning pattern, using visual aids in combination with properties explanations and scenarios. Beginning SQL Server R Services is the perfect “new hire” gift for new database developers in any organization.

Microsoft SQL Server 2012 T-SQL Fundamentals Simon and Schuster

Implement, maintain, and repair SQL Server 2012databases As the most significant update since 2008, Microsoft SQL Server2012 boasts updates and new features that are critical tounderstand. Whether you manage and administer SQL Server 2012 orare planning to get your MCSA: SQL Server 2012 certification, thisbook is the perfect supplement to your learning and preparation.From understanding SQL Server's roles to implementing businessintelligence and reporting, this practical book explores tasks andscenarios that a working SQL Server DBA faces regularly and showsyou step by step how to handle them. Includes practice exams and coverage of exam objectives forthose seeking MSCA: SQL Server 2012 certification Explores the skills you'll need on the job as a SQL Server 2012DBA Discusses designing and implementing database solutions Walks you through administrating, maintaining, and securing SQLServer 2012 Addresses implementing high availability and datadistribution Includes bonus videos where the author walks you through someof the more difficult tasks expected of a DBA Featuring hands-on exercises and real-world scenarios, thisresource guides you through the essentials of implementing,maintaining, and repairing SQL Server 2012 databases.

Microsoft SQL Server 2012 Step by Step Pearson Education

Be guided through the techniques to back up and restore databases and files in SQL Server. Multiple techniques are presented for ensuring the integrity and consistency of database backups, as well as the reliability and manageability of restoring from backups. In today's data-driven world, the most important asset that a company has is its data. Data recovery strategies can be wide ranging; from the practically non-existent backup without verification to a very complex, distributed, and redundant system. An important objective for any database administrator is data loss prevention, and in a catastrophic data loss event, pre-defined data recovery techniques must

be employed in order to get the databases back up and running efficiently and quickly. Using a tutorial method of teaching, *Beginning Backup and Restore for SQL Server* explores the many facets behind the principles of backing up and restoring data from your database, and then shows practical application methods for getting the work done quickly and correctly. This book is an essential guide toward discovering the correct path to protecting the data for your organization. What You'll Learn Be instructed on backup and restore techniques and principles Understand the importance of a fully implemented backup plan in SQL Server Agent Integrate backup and restore techniques into an existing environment Consider space and time requirements for backup and restore operations Master the principles for common deployment types Who This Book Is For Administrators who need to learn or refresh their knowledge of how to back up and restore SQL Server databases in various scenarios

Beginning SQL Server R Services John Wiley & Sons

Gain a solid understanding of T-SQL—and write better queries Master the fundamentals of Transact-SQL—and develop your own code for querying and modifying data in Microsoft SQL Server 2012. Led by a SQL Server expert, you'll learn the concepts behind T-SQL querying and programming, and then apply your knowledge with exercises in each chapter. Once you understand the logic behind T-SQL, you'll quickly learn how to write effective code—whether you're a programmer or database administrator. Discover how to: Work with programming practices unique to T-SQL Create database tables and define data integrity Query multiple tables using joins and subqueries Simplify code and improve maintainability with table expressions Implement insert, update, delete, and merge data modification strategies Tackle advanced techniques such as window functions, pivoting and grouping sets Control data consistency using isolation levels, and mitigate deadlocks and blocking Take T-SQL to the next level with programmable objects

Pro SQL Server 2012 Administration Pearson Education

Pro SQL Server 2012 Practices is an anthology of high-end wisdom from a group of accomplished database administrators who are quietly but relentlessly pushing the performance and feature envelope of Microsoft SQL Server 2012. With an emphasis upon performance—but also branching into release management, auditing, and other issues—the book helps you deliver the most value for your company's investment in Microsoft's flagship database system. Goes beyond the manual to cover good techniques and best practices Delivers knowledge usually gained only by hard experience Focuses upon performance, scalability, reliability Helps achieve the predictability needed to be in control at all times

Beginning T-SQL 2012 Apress

Summary Learn SQL Server Administration in a Month of Lunches is the perfect way to get started with SQL Server operations, including maintenance, backup and recovery, high availability, and performance monitoring. In about an hour a day over a month, you'll learn exactly what you can do, and what you shouldn't touch. Most importantly, you'll learn the day-to-day tasks and techniques you need to keep SQL Server humming along smoothly. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Book Microsoft SQL Server is used by millions of businesses, ranging in size from Fortune 500s to small shops worldwide. Whether you're just getting started as a DBA, supporting a SQL Server-driven application, or you've been drafted by your office as the SQL Server admin, you do not need a thousand-page book to get up and running. *Learn SQL Server Administration in a Month of Lunches* is the perfect way to get started with SQL Server. This concise, easy-to-read book skips academic introductions and teaches you day-to-day techniques for maintenance, backup and recovery, performance monitoring, and more. Each of the 21 short lessons gives you practical takeaways you'll use over and over. What's Inside Master the basics—indexes, logins, backup, recovery ... and more Learn what you can and cannot do when supporting a third-party application Monitor and improve performance Written by expert trainer and bestselling author Don Jones Accessible to readers of any level of experience, the book covers techniques for all versions of SQLServer 2005-2014. About the Author Don Jones is a Microsoft MVP, speaker, and trainer. He is the creator

of the Month of Lunches series and author of over 50 books on PowerShell, IIS, Active Directory, SCCM, SQL Server, and more. Table of Contents Before you begin Server assessment and configuration T-SQL crash course Managing databases Backup and recovery Authentication: who are you? Authorization: what are you allowed to do? Accounting: what did you do? Analyzing indexes Maintaining indexes Tuning index designs Reading query execution plans Block and deadlock analysis Automating management with SQL Server Agent Multiserver management Windows PowerShell and SQL Server Using Extended Events Monitoring and analyzing performance Options for high availability Virtualizing SQL Server Moving, migrating, and upgrading databases SQL Server performance checklist Never the end

Microsoft SQL Server 2012 Internals Createspace Independent Pub

NOTE: This title is also available as a free eBook on the Microsoft Download Center. It is offered for sale in print format as a convenience. Get a head start evaluating SQL Server 2014 - guided by two experts who have worked with the technology from the earliest beta. Based on Community Technology Preview 2 (CTP2) software, this guide introduces new features and capabilities, with practical insights on how SQL Server 2014 can meet the needs of your business. Get the early, high-level overview you need to begin preparing your deployment now. Coverage includes: SQL Server 2014 Editions and engine enhancements Mission-critical performance enhancements Hybrid cloud enhancements Self-service Business Intelligence enhancements in Microsoft Excel Enterprise information management enhancements Big Data solutions

Beginner Database Design & SQL Programming Using Microsoft SQL Server 2016 Apress

Apply powerful window functions in T-SQL—and increase the performance and speed of your queries Optimize your queries—and obtain simple and elegant solutions to a variety of problems—using window functions in Transact-SQL. Led by T-SQL expert Itzik Ben-Gan, you'll learn how to apply calculations against sets of rows in a flexible, clear, and efficient manner. Ideal whether you're a database administrator or developer, this practical guide demonstrates ways to use more than a dozen T-SQL querying solutions to address common business tasks. Discover how to: Go beyond traditional query approaches to express set calculations more efficiently Delve into ordered set functions such as rank, distribution, and offset Implement hypothetical set and inverse distribution functions in standard SQL Use strategies for improving sequencing, paging, filtering, and pivoting Increase query speed using partitioning, ordering, and coverage indexing Apply new optimization iterators such as Window Spool Handle common issues such as running totals, intervals, medians, and gaps

Learn SQL Server Administration in a Month of Lunches John Wiley & Sons

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 What you'll learn Master basic database administration skills Plan and install new database environments Ensure the ability to

recover from disaster and data loss Manage security and regulatory compliance Take advantage of new features in SQL Server 2012 Create private-cloud databases for your organization Who this book is for *Beginning SQL Server 2012 Administration* is aimed at aspiring database administrators, as well as at experienced administrators from competing platforms such as Oracle. The book quickly provides the essentials of SQL Server administration, laying a foundation for success in a career as an SQL Server database administrator. Table of Contents The Database Administration Profession Planning and Installing SQL Server 2012 What's in the Toolbox? Supporting the Developer Creating Tables and Other Objects Transact-SQL SQL Server Internals Database Backup Strategies Database Restore Strategies Common Database Maintenance Tasks SQL Server Security Auditing, Encryption, Compliance Performance Tuning & Optimization Fault Tolerance Cloud Computing for the DBA Database as a Service Where to Go Next?

SQL Server 2019 Administration Inside Out Apress

This book will give you all the information you need to become an expert database administrator and master the administrative aspects of SQL Server 2019. From setting up and configuring your SQL Server instance to fine-tuning your database, this extensive guide will teach you the nitty-gritty of SQL Server 2019 administration.

MCSA Guide to Microsoft SQL Server 2012 (Exam 70-462) Pearson Education

Pro SQL Server 2012 Administration is a one-stop source for all the knowledge you'll need to professionally manage a database under Microsoft SQL Server 2012. SQL Server administration is a complex field requiring an unusually broad and well-rounded skill set. A good database administrator must be part system administrator, part database design expert, and part SQL tuning optimization guru. Above all, he or she must be capable of restoring a damaged database at any time. Database administration requires excellent people skills for dealing with management and clients, and solid technical skills for dealing with the hardware and the software. *Pro SQL Server 2012 Administration* addresses all aspects of database administration, regardless of the size of the implementation. Install SQL Server 2012 and create new database environments. Develop a sound backup strategy for your database. Perform recovery as needed, which many consider to be job #1. Authors Ken Simmons and Sylvester Carstarphen also help you automate your work through the use of policy-based management. Performance optimization gets good coverage, so that you can render assistance when developers need help with problem queries. Rare among database and other technical books is solid guidance on the people side of the equation. Success as a database administrator comes from working well with others, becoming involved in the community, and building the right combination of technical knowledge and people skills to solve problems and get things done professionally and amicably. Simmons and Carstarphen pay special attention to these aspects of the job in this new edition of their comprehensive book on SQL Server administration. Helps you manage a SQL Server 2012 database at professional level Covers the gamut of database administration skills Provides guidance on performance optimization

SQL Server 2012 T-SQL Recipes Apress

Business intelligence projects do not need to cost multi-millions of dollars or take months or even years to complete! Using rapid application development (RAD) techniques along with Microsoft SQL Server 2012, this book guides database administrators, SQL programmers, and report specialists in creating practical, cost-effective business intelligence solutions for their companies and departments. *Pro SQL Server 2012 BI Solutions* provides practical examples of cost-effective business intelligence projects. Readers will be guided through several complete projects that build a foundation for real-world solutions. Even with limited experience using Microsoft's SQL Server, Integration Server, Analysis Server, and Reporting Server, you can leverage your existing knowledge of SQL programming and database design to provide users with the business intelligence reports they need. Provides recipes for multiple business intelligence scenarios Progresses from simple to advanced projects using several examples Shows Microsoft SQL Server technology used to complete real-world business intelligence projects