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# Pro Sql Server 2012 Administration

## Ken Simmons Apress

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Pro SQL Server 2008 Policy-Based Management  
Pro SQL Server Disaster Recovery  
Professional Microsoft SQL Server 2016 Reporting Services and Mobile Reports  
Microsoft SQL Server 2012 Analysis Services  
Pro SQL Server Administration  
Training Kit (Exam 70-462)  
Professional Visual Studio 2012  
Microsoft SQL Server 2012 Bible  
Microsoft SQL Server 2012 Management and Administration  
SQL Server Query Performance Tuning  
Beginning Microsoft SQL Server 2012 Programming  
Professional Microsoft SQL Server 2014 Administration  
Microsoft SQL Server 2012 Step by Step  
Pro SQL Server 2008 Service Broker  
Professional SQL Server 2005 Administration  
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SQL Server 2019 Administration Inside Out  
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Expert Performance Indexing for SQL Server 2012

## Microsoft SQL Server 2012 Integration Services

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Administration*  
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### **CARLIE MARTINEZ**

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*Pro SQL Server 2008  
Policy-Based Management*  
Microsoft Press  
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  
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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

Pro SQL Server Disaster  
Recovery Apress

Service Broker is a key  
Microsoft product in  
support of  
message-based  
processing between  
applications. Pro SQL  
Server 2008 Service  
Broker helps you to take

full advantage of this key  
Microsoft technology,  
beginning from the  
fundamentals, moving  
through installation and  
application development,  
and ultimately showing  
you how to develop highly  
available and scalable  
applications based upon  
the service-oriented  
architecture that is  
quickly gaining ground as  
the way forward in  
application development.  
Comprehensive approach  
to developing with Service  
Broker Strong focus on  
best practices and  
real-world scenarios  
Covers the key aspects of  
distributed application  
design

### **Professional Microsoft SQL Server 2016 Reporting Services and Mobile Reports**

Microsoft Press  
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

**Microsoft SQL Server 2012 Analysis Services**  
Addison-Wesley Professional

An essential how-to guide for experienced DBAs on the most significant product release since 2005! Microsoft SQL Server 2012 will have major changes throughout the SQL Server and will impact how DBAs administer the database. With this book, a team of well-known SQL Server experts introduces the many new features of the most recent version of SQL Server and deciphers how these changes will affect the methods that administrators have been using for years. Loaded with unique tips, tricks, and workarounds for handling the most difficult SQL Server admin issues, this how-to guide deciphers topics such as performance tuning, backup and recovery,

scaling and replication, clustering, and security. Serves as a must-have how-to guide on the new features of the 2012 release of Microsoft SQL Server Walks you through ways to manage and monitor SQL Server and automate administration Guides you through SQL Azure for cloud computing, data replication, and data warehouse performance improvements Addresses client-connectivity enhancements, new features that ensure high availability of mission-critical applications, and tighter integration with Excel and SharePoint for data analysis and reporting Highlights major changes to the suite of SQL Server BI tools, including integration, reporting, and analysis services Includes real-world case examples and best practices from Microsoft insiders If you're a database administrator eager to get started with the newest version of SQL Server, then this book is essential reading.

**Pro SQL Server Administration** John Wiley & Sons

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 *Training Kit (Exam 70-462)* Apress Giving comprehensive, soup-to-nuts coverage of database administration, this guide is written from a platform-independent viewpoint, emphasizing best practices.

**Professional Visual Studio 2012** John Wiley & Sons Presents lessons covering exam objectives, practice exercises, real-world

scenarios, and practice exams on the accompanying CD-ROM. **Microsoft SQL Server 2012 Bible** Apress Conquer SQL Server 2019 administration—from the inside out Dive into SQL Server 2019 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 2019 in any production environment: on-premises, cloud, or hybrid. Six experts thoroughly tour DBA capabilities available in SQL Server 2019 Database Engine, SQL Server Data Tools, SQL Server Management Studio, PowerShell, and Azure Portal. You'll find extensive new coverage of Azure SQL, big data clusters, PolyBase, data protection, automation, and more. Discover how experts tackle today's essential tasks—and challenge yourself to new levels of mastery. Explore SQL Server 2019's toolset, including the improved SQL Server Management Studio, Azure Data Studio, and Configuration Manager Design,

implement, manage, and govern on-premises, hybrid, or Azure database infrastructures Install and configure SQL Server on Windows and Linux Master modern maintenance and monitoring with extended events, Resource Governor, and the SQL Assessment API Automate tasks with maintenance plans, PowerShell, Policy-Based Management, and more Plan and manage data recovery, including hybrid backup/restore, Azure SQL Database recovery, and geo-replication Use availability groups for high availability and disaster recovery Protect data with Transparent Data Encryption, Always Encrypted, new Certificate Management capabilities, and other advances Optimize databases with SQL Server 2019's advanced performance and indexing features Provision and operate Azure SQL Database and its managed instances Move SQL Server workloads to Azure: planning, testing, migration, and post-migration *Microsoft SQL Server 2012 Management and Administration* John Wiley & Sons Harness the powerful new

SQL Server 2012 Microsoft SQL Server 2012 is the most significant update to this product since 2005, and it may change how database administrators and developers perform many aspects of their jobs. If you're a database administrator or developer, Microsoft SQL Server 2012 Bible teaches you everything you need to take full advantage of this major release. This detailed guide not only covers all the new features of SQL Server 2012, it also shows you step by step how to develop top-notch SQL Server databases and new data connections and keep your databases performing at peak. The book is crammed with specific examples, sample code, and a host of tips, workarounds, and best practices. In addition, downloadable code is available from the book's companion web site, which you can use to jumpstart your own projects. Serves as an authoritative guide to Microsoft's SQL Server 2012 for database administrators and developers Covers all the software's new features and capabilities, including SQL Azure for cloud computing, enhancements to client

connectivity, and new functionality that ensures high-availability of mission-critical applications Explains major new changes to the SQL Server Business Intelligence tools, such as Integration, Reporting, and Analysis Services Demonstrates tasks both graphically and in SQL code to enhance your learning Provides source code from the companion web site, which you can use as a basis for your own projects Explores tips, smart workarounds, and best practices to help you on the job Get thoroughly up to speed on SQL Server 2012 with *Microsoft SQL Server 2012 Bible*. [SQL Server Query Performance Tuning](#) Createspace Independent Pub Optimize reporting and BI with Microsoft SQL Server 2016 Professional Microsoft SQL Server 2016 Reporting Services and Mobile Reports provides a comprehensive lesson in business intelligence (BI), operational reporting and Reporting Services architecture using a clear, concise tutorial approach. You'll learn effective report solution design based upon many years of experience with successful report

solutions. Improve your own reports with advanced, best-practice design, usability, query design, and filtering techniques. Expert guidance provides insight into common report types and explains where each could be made more efficient, while providing step-by-step instruction on Microsoft SQL Server 2016. All changes to the 2016 release are covered in detail, including improvements to the Visual Studio Report Designer (SQL Server Data Tools) and Report Builder, Mobile Dashboard Designer, the new Report Portal Interface, HTML-5 Rendering, Power BI integration, Custom Parameters Pane, and more. The Microsoft SQL Server 2016 release will include significant changes. New functionality, new capabilities, re-tooled processes, and changing support require a considerable update to existing knowledge. Whether you're starting from scratch or simply upgrading, this book is an essential guide to report design and business intelligence solutions. Understand BI fundamentals and Reporting Services architecture Learn the

ingredients to a successful report design Get up to speed on Microsoft SQL Server 2016 Grasp the purpose behind common designs to optimize your reporting Microsoft SQL Server Reporting Services makes reporting faster, easier, and more powerful than ever in web, desktop and portal solutions. Compatibility with an extensive variety of data sources makes it a go-to solution for organizations across the globe. The 2016 release brings some of the biggest changes in years, and the full depth and breadth of these changes can create a serious snag in your workflow. For a clear tutorial geared toward the working professional, *Professional Microsoft SQL Server 2016 Reporting Services and Mobile Reports* is the ideal guide for getting up to speed and producing successful reports.

### **Beginning Microsoft SQL Server 2012**

**Programming** Apress Pro SQL Server Administration brings SQL Server administration into the modern era with strong coverage of hybrid cloud environments, In-Memory OLTP, and installation on Server Core. This comprehensive

guide to SQL Server Administration for today's DBA helps you to administer the new and key areas of SQL Server, including Columnstore indexes and the In-Memory OLTP feature set introduced in 2014. You will also be guided through the administration of traditional areas of SQL Server, including how to secure your instance, monitor and maintain your instance, and to use features such as AlwaysOn to make your instance highly available. Also covered is the use of SQL Server features to scale out read-only workloads. Pro SQL Server Administration is an all-new book taking up-to-date and modern approach that you'll want and need to further your career as a SQL Server database administrator. Extensive coverage of hybrid cloud environments involving Azure SQL Database Detailed discussions on all new, key features, including AlwaysOn and in-memory support Comprehensive coverage of key skills, such as monitoring, maintenance and indexing *Professional Microsoft SQL Server 2014 Administration* Sams



Publishing  
Hands-on troubleshooting methods on the most recent release of SQL Server The 2012 release of SQL Server is the most significant one since 2005 and introduces an abundance of new features. This critical book provides in-depth coverage of best practices for troubleshooting performance problems based on a solid understanding of both SQL Server and Windows internals and shows experienced DBAs how to ensure reliable performance. The team of authors shows you how to master the use of specific troubleshooting tools and how to interpret their output so you can quickly identify and resolve any performance issue on any server running SQL Server. Covers the core technical topics required to understand how SQL Server and Windows should be working Shares best practices so that you know how to proactively monitor and avoid problems Shows how to use tools to quickly gather, analyze, and effectively respond to the source of a system-wide performance issue Professional SQL Server 2012 Internals and Troubleshooting helps you

to quickly become familiar with the changes of this new release so that you can best handle database performance and troubleshooting. *Microsoft SQL Server 2012 Step by Step* Wrox Expert Performance Indexing for SQL Server 2012 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. All of this will help you progress towards properly achieving your database performance goals. What you'll learn from *Expert Performance Indexing for SQL Server 2012* will help you understand what indexes are doing in the database and what can be done to mitigate and improve their effects on performance. The final destination is a guided tour through a number of real-world scenarios and approaches that can be taken to investigate, mitigate, and improve the performance of your

database. Defines indexes and provides an understanding of their role Uncovers and explains the statistics that are kept in indexes Teaches strategies and approaches for indexing databases [Pro SQL Server 2008 Service Broker](#) Apress Learn to take advantage of the opportunities offered by SQL Server 2014 Microsoft's SQL Server 2014 update means big changes for database administrators, and you need to get up to speed quickly because your methods, workflow, and favorite techniques will be different from here on out. The update's enhanced support of large-scale enterprise databases and significant price advantage mean that SQL Server 2014 will become even more widely adopted across the industry. The update includes new backup and recovery tools, new AlwaysOn features, and enhanced cloud capabilities. In-memory OLTP, Buffer Pool Extensions for SSDs, and a new Cardinality Estimator can improve functionality and smooth out the workflow, but only if you understand their full capabilities. Professional Microsoft SQL Server 2014

is your comprehensive guide to working with the new environment. Authors Adam Jorgensen, Bradley Ball, Ross LoForte, Steven Wort, and Brian Knight are the dream team of the SQL Server community, and they put their expertise to work guiding you through the changes. Improve oversight with better management and monitoring Protect your work with enhanced security features Upgrade performance tuning, scaling, replication, and clustering Learn new options for backup and recovery Professional Microsoft SQL Server 2014 includes a companion website with sample code and efficient automation utilities, plus a host of tips, tricks, and workarounds that will make your job as a DBA or database architect much easier. Stop getting frustrated with administrative issues and start taking control. Professional Microsoft SQL Server 2014 is your roadmap to mastering the update and creating solutions that work. [Professional SQL Server 2005 Administration](#) John Wiley & Sons This comprehensive introduction to SQL Server begins with an overview of database design basics

and the SQL query language along with an in-depth look at SQL Server itself Progresses on to a clear explanation of how to implement fundamental concepts with the new 2008 version of SQL Server Discusses creating and changing tables, managing keys, writing scripts, working with stored procedures, programming with XML, using SQL Server Reporting and Integration Services, and more Features updated and new material, including new examples using Microsoft's AdventureWorks sample database [Beginning Microsoft SQL Server 2008 Programming](#) John Wiley & Sons If you need to deploy, manage, or secure Microsoft SQL Server 2008, this is the complete, fast-paced, task-based reference you've been searching for. Authored by a world-class expert on 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 flagship database platform. SQL Server MVP, Ross Mistry presents proven techniques for SQL Server 2008 installation,

upgrades, backup/restore, data transfer, indexing, high availability, security, and much more. He draws on extensive testing in high-profile production environments to offer step-by-step solutions and powerful tips you won't find anywhere else. Every chapter begins with a section identifying SQL Server 2008's most significant new improvements, and concludes with a convenient summary of best practices. Each chapter also outlines the benefits of leveraging Windows Server 2008. Understand how to: Master DBA tips, tricks, and best practices proven in actual enterprise environments Install, upgrade or transition to SQL Server 2008. Harden and Secure an implementation. Encrypt SQL Server from an end-to-end perspective. Implement high availability—and leverage SQL Server 2008's major improvements to failover clustering and database mirroring Save time with SQL Server 2008's new policy-based management tools Performance tune and troubleshoot a SQL Server 2008 environment. Optimize application performance and manage workloads with the



powerful new Resource Governor Implement Performance Studio, maintenance plans, Transparent Data Encryption and much more... Bonus Content: The book is based on Windows Server 2008 Step by step instructions of how to implement a failover cluster on Windows Server 2008 SQL Server PowerShell Administration Tasks Consolidate and virtualize SQL Server with Hyper-V Step by step instructions on how to install Hyper-V Proactively Monitor SQL Server with Operations Manager Install Windows Server 2008 certificates to encrypt SQL Server data Contributing Writers include: Hilary Cotter - SQL Server MVP John Welch - SQL Server MVP Marco Shaw - PowerShell MVP Maciej Pilecki - SQL Server MVP Shirmattie Seenarine - Technical Writer

*SQL Server 2019 Administration Inside Out*  
John Wiley & Sons  
Create Business Intelligence (BI) solutions with the Business Intelligence Semantic Model (BISM) Tabular model - and discover a simpler method for analyzing business data.  
*Professional Microsoft SQL Server 2012*

*Administration* Pearson Education  
The Data Vault was invented by Dan Linstedt at the U.S. Department of Defense, and the standard has been successfully applied to data warehousing projects at organizations of different sizes, from small to large-size corporations. Due to its simplified design, which is adapted from nature, the Data Vault 2.0 standard helps prevent typical data warehousing failures. "Building a Scalable Data Warehouse" covers everything one needs to know to create a scalable data warehouse end to end, including a presentation of the Data Vault modeling technique, which provides the foundations to create a technical data warehouse layer. The book discusses how to build the data warehouse incrementally using the agile Data Vault 2.0 methodology. In addition, readers will learn how to create the input layer (the stage layer) and the presentation layer (data mart) of the Data Vault 2.0 architecture including implementation best practices. Drawing upon years of practical experience and using numerous examples and

an easy to understand framework, Dan Linstedt and Michael Olschimke discuss: - How to load each layer using SQL Server Integration Services (SSIS), including automation of the Data Vault loading processes. - Important data warehouse technologies and practices. - Data Quality Services (DQS) and Master Data Services (MDS) in the context of the Data Vault architecture. - Provides a complete introduction to data warehousing, applications, and the business context so readers can get-up and running fast - Explains theoretical concepts and provides hands-on instruction on how to build and implement a data warehouse - Demystifies data vault modeling with beginning, intermediate, and advanced techniques - Discusses the advantages of the data vault approach over other techniques, also including the latest updates to Data Vault 2.0 and multiple improvements to Data Vault 1.0

**Professional Microsoft SQL Server 2008 Integration Services**  
John Wiley & Sons  
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 Pro SQL Server 2012 BI Solutions John Wiley & Sons SharePoint admin author gurus return to prepare you for working with the new features of SharePoint 2013! The new iteration of SharePoint boasts exciting new features. However, any new version also comes with its fair share of challenges and that's where this book comes in. The team of SharePoint admin gurus returns to presents a fully updated resource that prepares

you for making all the new SharePoint 2013 features work right. They cover all of the administration components of SharePoint 2013 in detail, and present a clear understanding of how they affect the role of the administrator. Compares and contrasts SharePoint 2013 to earlier versions Helps make your SharePoint 2013 installation smooth and successful Addresses managing customizations Looks at SharePoint 2013 for Internet sites Includes an introduction to SQL Server 2012 Professional SharePoint 2013 Administration enhances your SharePoint skill set and immerses you in the new content of the platform.

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