



Getting Started with SQL Server 2014 Administration

Optimize your database server to be fast, efficient, and highly secure using the brand new features of SQL Server 2014

Gethyn Ellis

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Getting Started With Sql Server 2014 Administration

Peter Carter



Getting Started With Sql Server 2014 Administration:

Getting Started with SQL Server 2014 Administration Gethyn Ellis, 2014-04-25 This is an easy to follow hands on tutorial that includes real world examples of SQL Server 2014's new features. Each chapter is explained in a step by step manner which guides you to implement the new technology. If you want to create an highly efficient database server then this book is for you. This book is for database professionals and system administrators who want to use the added features of SQL Server 2014 to create a hybrid environment which is both highly available and allows you to get the best performance from your databases.

Getting Started with SQL Server 2014 Administration Gethyn Ellis, 2014-09-03 Optimize your database server to be fast, efficient and highly secure using the brand new features of SQL Server 2014 with this book and ebook. Overview: Design your SQL Server 2014 infrastructure by combining both on-premise and Windows Azure based technology. Implement the new In-Memory OLTP database engine feature to enhance the performance of your transaction databases. This is a hands on tutorial that explores the new features of SQL Server 2014 along with giving real world examples. In Detail: The release of SQL Server 2014 has brought with it some great new features and enhancements that database administrators can use to make their database servers faster, highly available and protected from disaster. As the lines between on-premise and on-cloud based solutions become even more blurred, enterprise database applications such as SQL Server 2014 have evolved to allow DBAs to utilize both services to maintain their key service level agreements, ensuring that their important databases are always available. SQL Server 2014 has a strong focus on business intelligence, making it a vital tool if you are looking to improve the performance of your processes as a relational database professional. *Getting Started with SQL Server 2014 Administration* will guide you through your first steps of learning SQL Server 2014 by introducing you to its new features and helping you create a hybrid environment which is both highly available and allows you to get the best performance from your databases. This book is for anyone who wants to boost their database application performance to the next level. What you will learn from this book: Design a SQL Server infrastructure combining on-premise servers and Windows Azure Storage. Create a backup strategy that allows you to store your SQL Server backup in the Windows Azure cloud. Improve database performance by using the In-Memory OLTP features. Implement the delayed durability feature to improve transaction latency. Use a cloud based replica to build an AlwaysOn Availability Group. Learn the other enhancements and new features that can help improve database performance. Approach: This is an easy to follow hands on tutorial that includes real world examples of SQL Server 2014's new features. Each chapter is explained in a step by step manner which guides you to implement the new technology.

Professional Microsoft SQL Server 2014 Administration Adam Jorgensen, Bradley Ball, Steven Wort, Ross LoForte, Brian Knight, 2014-09-08 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. SQL Server 2014 Development Essentials Basit A. Masood-Al-Farooq, 2014-07-25

This book is an easy-to-follow comprehensive guide that is full of hands-on examples which you can follow to successfully design, build and deploy mission-critical database applications with SQL Server 2014. If you are a database developer, architect or administrator who wants to learn how to design, implement and deliver a successful database solution with SQL Server 2014, then this book is for you. Existing users of Microsoft SQL Server will also benefit from this book as they will learn what's new in the latest version. **GETTING STARTED WITH SQL SERVER 2014 ADMINISTRATION.** GETHYN.

ELLIS, 2014. *Pro SQL Server Administration* Peter Carter, 2015-11-16. 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.

T-SQL in One Hour a Day, Sams Teach Yourself Alison Balter, 2015-10-16. Master T-SQL database design, development and administration the easy way, hands-on. In just one hour a day, you'll build all the skills you need to create effective database applications with T-SQL and SQL Server. With this complete tutorial, you'll quickly master the basics and then move on to

more advanced features and concepts Learn the fundamentals of T SQL from the ground up one step at a time Succeed with the newest versions of T SQL SQL Server and SQL Server Management Studio Use T SQL effectively as both an application developer and DBA Master powerful stored procedures triggers transactions and user defined functions UDFs Systematically optimize and secure your SQL Server databases Learn on your own time at your own pace No previous T SQL or database programming experience required Learn how to design efficient reliable SQL Server databases Define efficient tables table relationships fields and constraints Make the most of T SQL s SELECT and UPDATE statements Work effectively with simple and complex views and joins Master stored procedure techniques every developer should know Build and use powerful User Defined Functions UDFs Secure databases with authentication roles permissions and principals Configure maintain and tune SQL Server for maximum reliability performance and value Back up restore and audit databases Optimize databases with the SQL Server Profiler System Monitor and Index Tuning Wizard Leverage valuable insight and time saving techniques from a world renowned database expert Register your book at informit.com/register for access to source code example files updates and corrections as they become available

SQL Server 2014 with PowerShell v5 Cookbook Donabel Santos,2015-12-04

Over 150 real world recipes to simplify database management automate repetitive tasks and enhance your productivity About This Book This book helps you build a strong foundation to get you comfortable using PowerShell with SQL Server empowering you to create more complex scripts for your day to day job The book provides numerous guidelines tips and explanations on how and when to use PowerShell cmdlets WMI SMO NET classes or other components It offers easy to follow practical recipes to help you get the most out of SQL Server and PowerShell Who This Book Is For If you are a SQL Server database professional DBA developer or BI developer who wants to use PowerShell to automate integrate and simplify database tasks this books is for you Prior knowledge of scripting would be helpful but it is not necessary What You Will Learn Explore database objects and execute queries on multiple servers Manage and monitor the running of SQL Server services and accounts Back up and restore databases Create an inventory of database properties and server configuration settings Maintain permissions and security for users Work with CLR assemblies XML and BLOB objects in SQL Manage and deploy SSIS packages and SSRS reports In Detail PowerShell can be leveraged when automating and streamlining SQL Server tasks PowerShell comes with a rich set of cmdlets and integrates tightly with the NET framework Its scripting capabilities are robust and flexible allowing you to simplify automation and integration across different Microsoft applications and components The book starts with an introduction to the new features in SQL Server 2014 and PowerShell v5 and the installation of SQL Server You will learn about basic SQL Server administration tasks and then get to know about some security related topics such as the authentication mode and assigning permissions Moving on you will explore different methods to back up and restore your databases and perform advanced administration tasks such as working with Policies Filetables and SQL audits The next part of the book covers more advanced HADR tasks such as log shipping and data

mirroring and then shows you how to develop your server to work with BLOB XML and JSON Following on from that you will learn about SQL Server s BI stack which includes SSRS reports the SSIS package and the SSAS cmdlet and database Snippets not specific to SQL Server will help you perform tasks quickly on SQL servers Towards the end of the book you will find some useful information which includes a PowerShell tutorial for novice users some commonly used PowerShell and SQL Server syntax and a few online resources Finally you will create your own SQL Server Sandbox VMs All these concepts will help you to efficiently manage your administration tasks Style and approach SQL Server 2014 with PowerShell v5 Cookbook is an example focused book that provides step by step instructions on how to accomplish specific SQL Server tasks using PowerShell Each recipe is followed by an analysis of the steps or design decisions taken and additional information about the task at hand Working scripts are provided for all examples so that you can dive in right away You can read this book sequentially by chapter or you can pick and choose which topics you need right away

Beginning SQL Server for Developers Robin Dewson, 2015-01-05 Beginning SQL Server for Developers is the perfect book for developers new to SQL Server and planning to create and deploy applications against Microsoft s market leading database system for the Windows platform Now in its fourth edition the book is enhanced to cover the very latest developments in SQL Server including the in memory features that are introduced in SQL Server 2014 Within the book there are plenty of examples of tasks that developers routinely perform You ll learn to create tables and indexes and be introduced to best practices for securing your valuable data You ll learn design tradeoffs and find out how to make sound decisions resulting in scalable databases and maintainable code SQL Server 2014 introduces in memory tables and stored procedures It s now possible to accelerate applications by creating tables and their indexes that reside entirely in memory and never on disk These new in memory structures differ from caching mechanisms of the past and make possible the extraordinarily swift execution of certain types of queries such as are used in business intelligence applications Beginning SQL Server for Developers helps you realize the promises of this new feature set while avoiding pitfalls that can occur when mixing in memory tables and code with traditional disk based tables and code Beginning SQL Server for Developers takes you through the entire database development process from installing the software to creating a database to writing the code to connect to that database and move data in and out By the end of the book you ll be able to design and create solid and reliable database solutions using SQL Server Takes you through the entire database application development lifecycle Includes brand new coverage of the in memory features Introduces the freely available Express Edition

Professional Microsoft SQL Server 2014

Integration Services Brian Knight, Devin Knight, Jessica M. Moss, Mike Davis, Chris Rock, 2014-04-17 Fill the gap between planning and doing with SSIS 2014 The 2014 release of Microsoft s SQL Server Integration Services provides enhancements for managing extraction transformation and load operations plus expanded in memory capabilities improved disaster recovery increased scalability and much more The increased functionality will streamline your ETL processes and smooth out

your workflow but the catch is that your workflow must change New tools come with new best practices and Professional Microsoft SQL Server 2014 Integration Services will keep you ahead of the curve SQL Server MVP Brian Knight is the most respected name in the business and your ultimate guide to navigating the changes to use Microsoft SQL Server Integration Services 2014 to your utmost advantage Implement new best practices for effective use of SSIS Work through tutorials for hands on learning of complex techniques Read case studies that illustrate the more advanced concepts Learn directly from the foremost authority on SSIS SQL Server Integration Services is a complex tool but it s the lifeblood of your work You need to know it inside out and you must understand the full potential of its capabilities in order to use it effectively You need to make sure the right architecture is in place Professional Microsoft SQL Server 2014 Integration Services is your roadmap to understanding SSIS on a fundamental level and setting yourself up for success

Getting Started with Microsoft System Center Operations Manager Kevin Greene,2016-06-30 A beginner s guide to help you design deploy and administer your System Center Operations Manager 2016 and 2012 R2 environments About This Book Discover how to monitor complex IT environments with System Center Operations Manager using tips tricks and best practice recommendations from industry experts Learn how to create eye catching dashboards and reports to help deliver a tangible return on investment back to your organization Optimize troubleshoot and perform disaster recovery in Operations Manager using step by step examples based on real world scenarios Who This Book Is For The target audience for this book is the IT Pro or System Administrator who wants to deploy and use System Center Operations Manager but has no previous knowledge of the product As a Getting Started book our primary objective is to equip you with the knowledge you need to feel comfortable when working with common monitoring scenarios in OpsMgr With this in mind deep diving into less common OpsMgr features such as Audit Collection Services ACS Agentless Exception Monitoring AEM and Application Performance Monitoring APM has been intentionally omitted What You Will Learn Install a new System Center 2016 Operations Manager Management Group Design and provision custom views to relevant support teams Understand how to deploy agents Work with management packs Monitor network devices Model your IT services with distributed applications Create dashboards and custom visualizations Tune optimize maintain and troubleshoot System Center Operations Manager In Detail Most modern IT environments comprise a heterogeneous mixture of servers network devices virtual hypervisors storage solutions cross platform operating systems and applications All this complexity brings a requirement to deliver a centralized monitoring and reporting solution that can help IT administrators quickly identify where the problems are and how best to resolve them Using System Center Operations Manager OpsMgr administrators get a full monitoring overview of the IT services they have responsibility for across the organization along with some useful management capabilities to help them remediate any issues they ve been alerted to This book begins with an introduction to OpsMgr and its core concepts and then walks you through designing and deploying the various roles After a chapter on exploring the consoles you will learn how to deploy agents work with

management packs configure network monitoring and model your IT services using distributed applications There s a chapter dedicated to alert tuning and another that demonstrates how to visualize your IT using dashboards The final chapters in the book discuss how to create alert subscriptions manage reports backup and recover OpsMgr perform maintenance and troubleshoot common problems Style and approach A beginner s guide that focuses on providing the practical skills required to effectively deploy and administer OpsMgr with walkthrough examples and tips on all the key concepts [Learn SQL Server Administration in a Month of Lunches](#) Don Jones,2014-04-30 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 **Beginning T-SQL** Kathi Kellenberger,Scott Shaw,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

PowerShell for SQL Server Essentials Donabel Santos, 2015-02-25 This book is written for SQL Server administrators and developers who want to leverage PowerShell to work with SQL Server Some background with scripting will be helpful but not necessary

Microsoft Azure Administrator Exam Prep (AZ-104) Lalit Rawat, 2022-11-18 Step by step exam guide to learn Microsoft Azure Administration with hands on labs KEY FEATURES Includes subject matter expertise in implementing managing and monitoring your organization s Microsoft Azure environment Covers all exam topics including virtual networks storage computing identity security and governance Includes exam tips practice exam questions and in depth explanations to get certified on the first attempt DESCRIPTION In cloud computing getting certified as an Azure Administrator is one of the most highly sought after sets of abilities Author Lalit Rawat brings the lab s experience to this updated and extended second edition to help you launch your test preparation with the practical practice of how a certified Azure administrator handles enterprise cloud architecture This book will help you understand the fundamental and more advanced aspects of Azure administration In depth coverage is provided for various topics including how to sync your existing on premises active directory with the Azure directory and how to use the user management features of Azure Active Directory The book also provides an exam based scenario explanation for the Azure Virtual Machine the Azure Storage Account and the Azure Networking service The book also includes topics such as Azure Monitor Azure networking on premises to Azure connectivity site to site connections express route and disaster and backup recovery solutions In addition you will enjoy chapters specifically devoted to Exam Preparation Guidelines and Mock Exams which will assist you in the exam assessments that test your knowledge WHAT YOU WILL LEARN Train to work as an Azure administrator using the Microsoft Azure lab environment Excellent familiarity with Microsoft Azure and all other essentials of cloud administration Set up a corporate cloud system based on Azure Build and expand your organization s virtual infrastructure Implement web apps and containers Implement storage solutions and manage the network traffic Set up size monitor and change your

resources to meet the needs of your business WHO THIS BOOK IS FOR This book is intended for Azure Administrators Cloud Engineers Windows Linux Administrators Technical Specialists and Consultants who wish to get certified in Azure and expand their expertise to expert level skills on the platform Knowing Powershell and CLI should be enough to read through this book

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Microsoft SQL Server 2014 Unleashed Ray Rankins,Paul Bertucci,Chris Gallelli,Alex T. Silverstein,2015-05-15 The industry s most complete useful and up to date guide to SQL Server 2014 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 examples you ll need to install monitor maintain and optimize the most complex database environments The provided examples and sample code provide plenty of hands on opportunities to learn more about SQL Server and create your own viable solutions Four leading SQL Server experts present deep practical insights for administering SQL Server analyzing and optimizing queries implementing data warehouses ensuring high availability tuning performance and much more You will benefit from their behind the scenes look into SQL Server showing what goes on behind the various wizards and GUI based tools You ll learn how to use the underlying SQL commands to fully unlock the power and capabilities of SQL Server Writing for all intermediate to advanced level SQL Server professionals the authors draw on immense production experience with SQL Server Throughout they focus on successfully applying SQL Server 2014 s most powerful capabilities and its newest tools and features Detailed information on how to Understand SQL Server 2014 s new features and each edition s capabilities and licensing Install upgrade to and configure SQL Server 2014 for better performance and easier management Streamline and automate key administration tasks with Smart Admin Leverage powerful new backup restore options flexible backup to URL Managed Backup to Windows Azure and encrypted backups Strengthen security with new features for enforcing least privilege Improve performance with updateable columnstore indexes Delayed Durability and other enhancements Execute queries and business logic more efficiently with memoryoptimized tables buffer pool extension and natively compiled stored procedures Control workloads and Disk I O with the Resource Governor Deploy AlwaysOn Availability Groups and Failover Cluster Instances to achieve enterprise class availability and disaster recovery Apply new Business Intelligence improvements in Master Data Services data quality and Parallel Data Warehouse

Daily Graphic Ransford

Tetteh,2014-03-24 *Learn PowerShell Scripting in a Month of Lunches* Don Jones,Jeffery Hicks,2017-11-11 Summary
Discover how scripting is different from command line PowerShell as you explore concrete hands on examples in this handy guide The book includes and expands on many of the techniques presented in *Learn PowerShell Toolmaking in a Month of Lunches* Purchase of the print book includes a free eBook in PDF Kindle and ePub formats from Manning Publications About the Technology Automate it With Microsoft's PowerShell language you can write scripts to control nearly every aspect of Windows Just master a few straightforward scripting skills and you'll be able to eliminate repetitive manual tasks create custom reusable tools and build effective pipelines and workflows Once you start scripting in PowerShell you'll be amazed at how many opportunities you'll find to save time and effort About the Book *Learn PowerShell Scripting in a Month of Lunches* teaches you how to expand your command line PowerShell skills into effective scripts and tools In 27 bite size lessons you'll discover instantly useful techniques for writing efficient code finding and squashing bugs organizing your scripts into libraries and much more Advanced scripters will even learn to access the .NET Framework store data long term and create nice user interfaces What's Inside Designing functions and scripts Effective pipeline usage Dealing with errors and bugs Professional grade scripting practices About the Reader Written for devs and IT pros comfortable with PowerShell and Windows About the Authors Don Jones is a PowerShell MVP speaker and trainer who has written dozens of books on information technology topics Jeffery Hicks is a PowerShell MVP and an independent consultant trainer and author Don and Jeff coauthored Manning's *Learn Windows PowerShell in a Month of Lunches* *Learn PowerShell Toolmaking in a Month of Lunches* and *PowerShell in Depth* Table of Contents PART 1 INTRODUCTION TO SCRIPTING Before you begin Setting up your scripting environment WWPd what would PowerShell do Review parameter binding and the PowerShell pipeline Scripting language crash course The many forms of scripting and which to use Scripts and security PART 2 BUILDING A POWERSHELL SCRIPT Always design first Avoiding bugs start with a command Building a basic function and script module Going advanced with your function Objects the best kind of output Using all the pipelines Simple help making a comment Dealing with errors Filling out a manifest PART 3 GROWN UP SCRIPTING Changing your brain when it comes to scripting Professional grade scripting An introduction to source control with git Pester your script Signing your script Publishing your script PART 4 ADVANCED TECHNIQUES Squashing bugs Making script output prettier Wrapping up the .NET Framework Storing data not in Excel Never the end *SQL Server T-SQL Recipes* David Dye,Jason Brimhall,Timothy Roberts,Wayne Sheffield,Joseph Sack,Jonathan Gennick,2015-07-17 *SQL Server T SQL Recipes* is an example based guide to the Transact SQL language that is at the core of SQL Server This edition has been lightly updated for SQL Server 2014 and provides ready to implement solutions to common programming and database administration tasks Learn to create databases create in memory tables and stored procedures insert and update data generate reports secure your data and more Tasks and their solutions are broken down into a problem solution format that is quick and easy to read so that you can get the job

done fast when the pressure is on Solutions in this book are divided into chapters by problem domain Each chapter is a collection of solutions around a single facet of the language such as writing queries managing indexes error handling and query performance Each solution is presented code first giving you a working code example to copy from and implement immediately in your own environment Following each example is an in depth description of how and why the given solution works Tradeoffs and alternative approaches are also discussed Focused on solutions Look up what you need to do Learn how to do it Do it Current Lightly updated for SQL Server 2014 Comprehensive Covers all common T SQL problem domains

Building a Scalable Data Warehouse with Data Vault 2.0 Daniel Linstedt, Michael Olschimke, 2015-09-15 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

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Getting Started With Sql Server 2014 Administration Introduction

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