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SQL Server 2014

October, 16 2024

Application Platform Sql Server Solution Incentives Pilot

Development

Essentials John

Wiley & Sons

SQL Server

Integration Services

Design Patterns is

newly-revised for

SQL Server 2014,

and is a book of

recipes for SQL

Server Integration

Services (SSIS).

Design patterns in the

book help to solve

common problems

encountered when

developing data

integration solutions.

The patterns and

solution examples in

the book increase

your efficiency as an

SSIS developer,

because you do not

have to design and

code from scratch

with each new

problem you face.

The book's team of

expert authors take

you through

numerous design

patterns that you'll

soon be using every

day, providing the

thought process and

technical details

needed to support

their solutions. SQL

Server Integration

Services Design

Patterns goes beyond

the surface of the

immediate problems

to be solved, delving

into why particular

problems should be

solved in certain

ways. You'll learn

more about SSIS as a

result, and you'll learn

by practical example.

Where appropriate,

the book provides

examples of

alternative patterns

and discusses when

and where they should

be used. Highlights of

the book include

sections on ETL

Instrumentation, SSIS

Frameworks, Business

Intelligence Markup

Language, and

Dependency Services.

Takes you through

solutions to common

data integration

challenges Provides

examples involving

Business Intelligence

Markup Language

Teaches SSIS using

practical examples

SQL Server on

Azure Virtual

Machines

Apress

Teaches

solution

architects,

designers, and

developers how

to use

Microsoft's

reporting

platform to

OLAP/Analysis Services reporting, and complete production deployment scenarios Includes programming examples focused on specific, scenario-based solutions Explains reporting services architecture and business intelligence, teaches the fundamentals of designing reports through the use of careful planning considerations, and covers advanced report design and

filtering techniques
SQL Server 2012 Integration Services Design Patterns Apress CD-ROM contains: Source code from text. The Guru's Guide to SQL Server Stored Procedures, XML, and HTML Apress SQL Server Reporting Services is the customizable reporting solution for report designers and programmers. This hands-on guide will get you up to speed quickly so you can design, deploy, manage, and even customize reporting solutions. You can create powerful reports without programming

knowledge and extend reporting solutions using VB, C#, and ASP.NET. Packed with detailed examples of building reports, designing report solutions, and developing deployment strategies for interacting with various platforms, this book prepares you to take full advantage of this revolutionary tool. Plus, you'll learn how to extend practically every feature of Reporting Services by implementing your own security architecture or adding custom data access. What you will learn from this book Details of programming reports and report scripting Advanced report design, including drill-down reports, nested lists, drill-through, links, and dynamic content

High-level strategies for business and support systems Rendering reports using .NET code, .NET IO namespace classes, and URL rendering deployment strategies to handle hardware, software, and platform considerations, licensing issues, and scaling options How to design reports for mobile services Various tools used to define data sources and semantic metadata models How to use parameters and expressions to define creative report solutions Advanced object-oriented programming techniques, with examples in C# and VB 2005. Who this book is for This book is for report designers, developers, administrators, and business professionals

interested in learning the advanced functionality, report server administration, and security issues of SQL Server 2005 Reporting Services. Wrox Professional guides are planned and written by working programmers to meet the real-world needs of programmers, developers, and IT professionals. Focused and relevant, they address the issues technology professionals face every day. They provide examples, practical solutions, and expert education in new technologies, all designed to help programmers do a better job. Expert SQL Server 2008 Development Createspace Independent Publishing Platform 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 in-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 SQL Server 2012 T-SQL Recipes Apress

Improve your ability to develop, manage, and troubleshoot SQL Server solutions by learning how different components work “ under the hood, ” and how they communicate with each other. The detailed knowledge helps in implementing and maintaining high-throughput databases critical to your business and its customers. You ' ll learn how to identify the root cause of each problem and understand how different design and implementation decisions affect performance of your systems. New in this second edition is coverage of SQL

Server 2016 Internals, including In-Memory OLTP, columnstore enhancements, Operational Analytics support, Query Store, JSON, temporal tables, stretch databases, security features, and other improvements in the new SQL Server version. The knowledge also can be applied to Microsoft Azure SQL Databases that share the same code with SQL Server 2016. Pro SQL Server Internals is a book for developers and database administrators, and it covers multiple SQL Server versions starting with SQL Server 2005 and

going all the way up to the recently released SQL Server 2016. The book provides a solid road map for understanding the depth and power of the SQL Server database server and teaches how to get the most from the platform and keep your databases running at the level needed to support your business. The book:

- Provides detailed knowledge of new SQL Server 2016 features and enhancements
- Includes revamped coverage of columnstore indexes and In-Memory OLTP
- Covers indexing and transaction strategies
- Shows

how various database objects and technologies are implemented internally, and when they should or should not be used

- Demonstrates how SQL Server executes queries and works with data and transaction log

What You Will Learn Design and develop database solutions with SQL Server. Troubleshoot design, concurrency, and performance issues. Choose the right database objects and technologies for the job. Reduce costs and improve availability and manageability. Design disaster recovery and high-

availability strategies. Wrox
Improve performance of OLTP and data warehouse systems through in-memory OLTP and Columnstore indexes. Who This Book Is For Developers and database administrators who want to design, develop, and maintain systems in a way that gets the most from SQL Server. This book is an excellent choice for people who prefer to understand and fix the root cause of a problem rather than applying a 'band aid' to it. Cloud Data Design, Orchestration, and Management Using Microsoft Azure

Prepare yourself for the digital transformation with the Microsoft Power Platform
KEY FEATURES
Learn using concrete examples, minimal theoretical coverage, and practical Power Platform illustrations. Explore the interactive understanding of the no-code concept and various Power Platform components for building intelligent systems. Learn to develop robust end-to-end applications using numerous solutions provided in each chapter.
DESCRIPTION

The author of ' Microsoft Power Platform Up and Running ' is an experienced subject expert on technology, so the book is engaging, well-illustrated, and aims to make it easier to implement the technology in your daily life. The book covers all aspects of the Power Platform in an efficient and easy-to-understand manner, and it is accompanied by a series of practical exercises. The author also makes every effort to ensure that even a non-techie can begin using a power platform after reading this book. The book begins

with the basics, explaining what low-code and no-code are and showing how to maximize efficiency in creating business applications for one's organization. Next, the book describes the Microsoft Power Platform's foundation, as well as all its components and services. Readers will begin with practical exercises right away, beginning with provisioning a Power Platform environment. Next, the book delves deeper into the Power Platform components such as Power Apps, Power Automate, Power BI, and Power Virtual Agents.

Towards the end, the book explains practical exercises for each feature or service where you will gradually build a small business solution for a fictitious organization, Project Wizards, Inc. Throughout the book, you'll discover every component of the power platform, including Power Apps, Power Pages, Power Automate, and Power Virtual Agents, in building exciting and valuable solutions to your needs. WHAT YOU WILL LEARN Learn to use Microsoft's Power Platform and its various components like a champ.

Efficiently manage Microsoft Dataverse to build data models. Take lessons in Power Automate and Power Apps to develop automation solutions and business apps. Create analytical reports and dashboards using the creative Power BI tool. Gain knowledge of implementing and managing Power Platform's administration, security, and governance in practice. WHO THIS BOOK IS FOR This book is geared toward business managers, business analysts, IT professionals, and anyone interested in

bringing modernization to their company's daily operations. You don't need to have any prior experience with the power platform.

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1. Introducing Microsoft Power Platform
2. Building Enterprise Solutions with Power Apps
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7. Integrate Analytics with Power BI
8. Chat with Power Virtual Agents
9. Bring Intelligence with AI Builder
10.

Administer the Power Platform
11. Secure and Govern the Power Platform
[SQL Server 2017 Integration Services Cookbook](#) Packt Publishing Ltd
A complete insider's guide to building more robust, fully integrated client/server applications using SQLWindows and Centura
If you develop large-scale client/server applications in a 16-bit or 32-bit environment, this is one book you won't want to be without.
A complete, hands-on guide to programming with both SQLWindows and Centura, it is packed with rarely documented

practical information and advanced programming techniques that will enable you to provide your corporate clients with what they demand in the quickest, most cost-effective manner possible. From rapid prototyping techniques to QuickObjects and Classes, the author clearly and concisely shows you how to take utmost advantage of SQLWindows and Centura features. He tells you how to:
* Customize applications using both SQLWindows and Centura *
Master all SQLWindows and Centura object

<p>technology features Integrate applications across different platforms * Connect and use Microsoft SQLServer * Migrate from 16-bit SQLWindows to the Centura's 32-bit processing environment On the CD-ROM you'll find: Source Programs Visit our Web site at: http://www.wiley.com/compbooks/ProfessionalMicrosoftSQLServer2008ReportingServices Packt Publishing Ltd Learn effective and scalable database design techniques in a SQL Server environment. Pro SQL Server 2008</p>	<p>* Relational Database Design and Implementation covers everything from design logic that business users will understand, all the way to the physical implementation of the design in a SQL Server database. Grounded in best practices and a solid understanding of the underlying theory, authors Louis Davidson, Kevin Kline, Scott Klein, and Kurt Windisch show how to 'get it right' in SQL Server database design and lay a solid groundwork for the future use of valuable business data. Solid foundation in best practices and</p>	<p>relational theory Maximize SQL Server features to enhance security, performance, scalability Thorough treatment from conceptual design to an effective, physical implementation Professional ADO.NET 2 BPB Publications Harness the power of SQL Server 2017 Integration Services to build your data integration solutions with easeAbout This Book* Acquaint yourself with all the newly introduced features in SQL Server 2017 Integration Services* Program and extend your packages to enhance their functionality* This detailed, step-by-step guide covers everything you need</p>
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to develop efficient data integration and data transformation solutions for your organization. Who This Book Is For This book is ideal for software engineers, DW/ETL architects, and ETL developers who need to create a new, or enhance an existing, ETL implementation with SQL Server 2017 Integration Services. This book would also be good for individuals who develop ETL solutions that use SSIS and are keen to learn the new features and capabilities in SSIS 2017. What You Will Learn* Understand the key components of an ETL solution using SQL Server 2016-2017 Integration Services* Design the architecture of a modern ETL solution* Have a good knowledge of the new capabilities and features added to Integration Services* Implement ETL solutions using Integration Services for both on-premises and Azure data* Improve the performance and scalability of an ETL solution* Enhance the ETL solution using a custom framework* Be able to work on the ETL solution with many other developers and have common design paradigms or techniques* Effectively use scripting to solve complex data issues In Detail SQL Server Integration Services is a tool that facilitates data extraction, consolidation, and loading options (ETL), SQL Server coding enhancements, data warehousing, and customizations. With the help of the recipes in this book, you'll gain complete hands-on experience of SSIS 2017 as well as the 2016 new features, design and development improvements including SCD, Tuning, and Customizations. At the start, you'll learn to install and set up SSIS as well other SQL Server resources to make optimal use of this Business Intelligence tools. We'll begin by taking you through the new features in SSIS 2016/2017 and implementing the necessary features to get a modern scalable ETL solution that fits the modern data warehouse. Through the course of chapters,

you will learn how to design and build SSIS data warehouses packages using SQL Server Data Tools. Additionally, you'll learn to develop SSIS packages designed to maintain a data warehouse using the Data Flow and other control flow tasks. You'll also be demonstrated many recipes on cleansing data and how to get the end result after applying different transformations. Some real-world scenarios that you might face are also covered and how to handle various issues that you might face when designing your packages. At the end of this book, you'll get to know all the key concepts to perform data integration and transformation. You'll have explored on-

premises Big Data integration processes to create a classic data warehouse, and will know how to extend the toolbox with custom tasks and transforms. Style and approach This cookbook follows a problem-solution approach and tackles all kinds of data integration scenarios by using the capabilities of SQL Server 2016 Integration Services. This book is well supplemented with screenshots, tips, and tricks. Each recipe focuses on a particular task and is written in a very easy-to-follow manner. SQL Server 2016 Developer's Guide Packt Publishing SQL Server with C# Applications Creating a full database application from

scratch can be a challenge. You need to understand the basics of database design, as well as the specific Relational Database Management System (RDBMS) and its SQL. You need somehow to interface to this from your application which, by the way, you also need to design. You can get far with frameworks, but can you go all the way? Do you have a well-performing and maintainable solution? This book aims to guide you through the jungle. SQL Server is chosen as the main RDBMS, while the database-interface design is demonstrated to work with Oracle as well. The real-life sample application is written in C# using classic

Windows Forms. However, the main design and database interface is equally relevant for WPF and ASP.net. The database framework used is ADO.net. The author works with embedded systems and previously wrote the book "Embedded Software for the IoT." Creating database-based tools, he faced the challenges described, and refined a pattern over time. Pro SQL Server 2012 Practices John Wiley & Sons Leverage the integration of SQL Server and Office for more effective BI Applied Microsoft Business Intelligence shows

you how to leverage the complete set of Microsoft tools—including Microsoft Office and SQL Server—to better analyze business data. This book provides best practices for building complete BI solutions using the full Microsoft toolset. You will learn how to effectively use SQL Server Analysis and Reporting Services, along with Excel, SharePoint, and other tools to provide effective and cohesive solutions for the enterprise.

Coverage includes BI architecture, data queries, semantic models, multidimensional modeling, data analysis and visualization, performance monitoring, data mining, and more, to help you learn to perform practical business analysis and reporting. Written by an author team that includes a key member of the BI product team at Microsoft, this useful reference provides expert instruction for more effective use of the Microsoft BI toolset. Use Microsoft BI suite

cohesively for more performance-related applications, making effective enterprise improvements them as much as ten solutions Search, Explore the fundamentals of times more efficient in analyze, and database planning some cases. Whether visualize data more and the Server you are thinking about becoming a efficiently and Transact-SQL database developer, completely language syntax Gain architect, or Develop flexible hands-on experience administrator, or you and scalable with the use of scalar are a seasoned tabular and and table-valued database expert, this multidimensional functions, branching, book will provide you models Monitor data structures In need to successfully performance, build Detail SQL Server create, design, and a BI portal, and 2014 Development deploy databases using SQL Server manage the BI Essentials is an easy-to- 2014. You will also Solution follow yet comprehensive guide learn how to add, Beginning SQL that is full of hands-on modify, and delete Server for Developers Microsoft SQL Server database. You will use Apress 2014, you can design, Transact-SQL Design, implement, build, and deploy mission-critical statements to create and deliver a successful database database applications. and manage advanced solution with The variety of new in- database objects that Microsoft SQL include scalar and Server 2014 table-valued functions, views, Overview Discover high performance stored procedures, SQL Server 2014's database applications and triggers. Finally, new in-memory that can improve the you will learn about OLTP engine and performance of your how SQL Server

works, how indexes and statistics improve query performance, and the new SQL Server 2014 in-memory technologies. What you will learn from this book Get introduced to SQL Server 2014's new in-memory database engine Understand SQL Server database architecture and relational database design Use joins, subqueries, CTEs, and windowing functions to write advanced Transact-SQL queries Learn about tools that let you monitor SQL Server database performance Identify and troubleshoot blocks or deadlocks that might slow down a system Design, create, and manage advanced database objects that include scalar and table-

valued functions, views, stored procedures, and triggers Use SQL Server 2014's structured error handling blocks to handle errors that occur in the Transact-SQL batches and programmable objects Approach 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. Who this book is written for 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. SQL Server Integration Services Design Patterns Apress SQL Server 2012 Integration Services Design Patterns is a book of recipes for SQL Server Integration Services (SSIS). Design patterns in the book show how to solve common problems encountered when developing data integration solutions. Because you do not have to build the code from scratch each time, using design patterns improves your efficiency as

an SSIS developer. In SSIS Design Patterns, we take you through several of these snippets in detail, providing the technical details of the resolution. SQL Server 2012 Integration Services Design Patterns does not focus on the problems to be solved; instead, the book delves into why particular problems should be solved in certain ways. You'll learn more about SSIS as a result, and you'll learn by practical example. Where appropriate, SQL Server 2012 Integration Services Design Patterns provides examples of alternative patterns and

discusses when and where they should be used. Highlights of the book include sections on ETL Instrumentation, SSIS Frameworks, and Dependency Services. Takes you through solutions to several common data integration challenges. Demonstrates new features in SQL Server 2012 Integration Services. Teaches SSIS using practical examples. Mastering SQL Server 2017 Packt Publishing Ltd. * An essential book for new and migration projects for SQL Server 2005: will ensure that that such projects have a well-designed database

and secure, optimized data access strategies right from the start. * Describes all new SQL Server 2005 features related to physical database design and provides completely new chapters on designing for fast data access, and exploiting .NET code in the database for optimum distribution of application logic. * An excellent foundation for MCA D/MCSE/MCDBA Database Design and Implementation exam. * Deep experience and advice, along with many tips or tricks, from an MVP lead author with over ten years of experience

with SQL Server. SQL Server 2014 Development Essentials Apress Bring the performance and security of SQL Server to Linux About This Book Design and administer your SQL Server solution on the open source Linux platform Install, configure, and fine-tune your database application for maximum performance An easy-to-follow guide teaching you how to implement various SQL Server CTP 2.x offerings on Linux—from installation to administration Who This Book Is For This book is for the

Linux users who want to learn SQL Server on their favorite Linux distributions. It is not important if you are experienced database user or a beginner as we are starting from scratch. However, it is recommended that you have basic knowledge about relational models. More advanced readers can pick the chapters of their interest and study specific topics immediately. Users from Windows platform can also benefit from this book to expand their frontiers and become equally efficient on both platforms. What You Will Learn

Install and set up SQL Server CTP 2.x on Linux Create and work with database objects using SQL Server on Linux Configure and administer SQL Server on Linux-based systems Create and restore database back-ups Protect sensitive data using the built-in cryptographic features Optimize query execution using indexes Improve query execution time by more than 10x using in-memory OLTP Track row-versioning using temporal tables In Detail Microsoft's launch of SQL Server on Linux has made SQL Server a truly versatile

platform across different operating systems and data-types, both on-premise and on-cloud. This book is your handy guide to setting up and implementing your SQL Server solution on the open source Linux platform. You will start by understanding how SQL Server can be installed on supported and unsupported Linux distributions. Then you will brush up your SQL Server skills by creating and querying database objects and implementing basic administration tasks to support business continuity, including security and performance

optimization. This book will also take you beyond the basics and highlight some advanced topics such as in-memory OLTP and temporal tables. By the end of this book, you will be able to recognize and utilize the full potential of setting up an efficient SQL Server database solution in your Linux environment. Style and approach This book follows a step-by-step approach to teach readers the concepts of SQL Server on Linux using the bash command line and SQL programming language through examples which can easily be adapted and applied in your

own solutions. Pro SQL Server 2008 Relational Database Design and Implementation Wiley Presented in a scenario-driven tutorial way, we lead you through fictitious example problems and present you with the best solutions. This book is intended for architects, developers, and managers who need to improve their knowledge of the Microsoft application platform. This book will appeal to anyone, especially consultants, who want to get up to speed on selecting

the most appropriate platform for a particular problem. A good understanding of the general Windows platform and development technologies would be helpful.

Beginning SQL Server Modeling

Apress

* First book to provide comprehensive, deeply practical coverage on all major new SS2005 features.

- Lead author (Tom Rizzo) is a key member of the SQL Server team at Microsoft and a respected author and blogger. • Gets the DBA and developer up and

running with SS2005 in the fastest possible time. • The facts, not the evangelism.

SQL Server 2017 Developer 's Guide

Packt Publishing Ltd

As more and more companies adopt client/server technology, IT departments need support materials to dispell misconceptions and troubleshoot issues surrounding this technology. This book offers a practical, in-depth introduction to development, implementation, and maintenance of systems in the client/server environment.

XML and JSON Recipes for SQL

Server Packt

Publishing Ltd

Learn various commercial and open source products that perform SQL on Big Data platforms. You will understand the architectures of the various SQL engines being used and how the tools work internally in terms of execution, data movement, latency, scalability, performance, and system requirements. This book consolidates in one place solutions to the challenges associated with the requirements of speed, scalability, and the variety of operations needed for data integration and SQL

operations. After discussing the history of the how and why of SQL on Big Data, the book provides in-depth insight into the products, architectures, and innovations happening in this rapidly evolving space. SQL on Big Data discusses in detail the innovations happening, the capabilities on the horizon, and how they solve the issues of performance and scalability and the ability to handle different data types. The book covers how SQL on Big Data engines are permeating the OLTP, OLAP, and Operational

analytics space and the rapidly evolving HTAP systems. You will learn the details of: Batch Architectures—Understand the internals and how the existing Hive engine is built and how it is evolving continually to support new features and provide lower latency on queries Interactive Architectures—Understanding how SQL engines are architected to support low latency on large data sets Streaming Architectures—Understanding how SQL engines are architected to support queries on data in motion using in-memory and lock-free data structures Operational Archite

ctures—Understanding how SQL engines are architected for transactional and operational systems to support transactions on Big Data platforms Innovative Architectures—Explore the rapidly evolving newer SQL engines on Big Data with innovative ideas and concepts Who This Book Is For: Business analysts, BI engineers, developers, data scientists and architects, and quality assurance professionals/div