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Microsoft SQL Server 2016 Reporting Services, Fifth Edition

McGraw Hill Professional Up-to-Date Coverage of Microsoft® SQL Server® 2016 Reporting Services, Including the Mobile Report Publisher Build, publish, and maintain paginated and mobile reports using the expert tips and best practices contained in this hands-on guide. Written by a member of the original Reporting Services development team, Microsoft SQL Server 2016 Reporting Services, Fifth Edition, fully explains the process of creating and distributing reports and shows how to maximize all of the powerful, integrated SSRS capabilities, including the new and enhanced features. A detailed case study and sample reports are featured in this practical resource.

- Plan for, install, configure, and customize SQL Server 2016 Reporting Services
- Design and generate feature-rich reports using the Report Wizard
- Work with Report Designer in Visual Studio, Report Builder, and the Mobile Report Publisher
- Incorporate charts, images, gauges, and maps
- Enhance your reports through summarizing, totaling, and interactivity
- Build reusable report templates
- Embed Visual Basic .NET functions and subreports
- Enable end-user access via the Report Server and its web portal interface
- Integrate SSRS reports with your own websites and custom applications
- Follow along with sample reports from the book's case study

Professional SQL Server 2005 Reporting Services

John Wiley & Sons

Beginning SQL Server Reporting

Services

Apress Learn SQL Server Reporting Services and become current with the 2016 edition. Develop interactive, dynamic reports that combine graphs, charts, and tabular data into attractive dashboards and reports to delight business analysts and other users of corporate data. Deliver mobile reports to anywhere and any device. Build vital knowledge of Reporting Services at a time when Microsoft's dominance in business intelligence is on the rise. Beginning SQL Server Reporting Services turns novices into skilled report developers. The book begins by explaining how to set up the development environment. It then walks you through creating your first reports using the built-in wizard. After showing what is possible, the book breaks down and explains the skills needed to create reports from scratch. And not just reports! But also dashboards with charts, graphs, and maps. Each chapter builds on knowledge gained in the previous chapters with step-by-step tutorials. sql server="" reporting="" services="" is="" a="" skillset="" in="" high="" demand.="" knowing="" about="" can="" help="" everyone="" from="" seasoned="" database="" administrators="" to="" mid-life="" career="" changers="" hoping="" break="" into="" information="" technology. iBeginning SQL Server Reporting Services Build reports with and without the built-in wizard. Build interactive features such as drill-through reports. Build dashboards full of charts, graphs, and maps. Build mobile reports. What You Will Learn Set up your development environment. Organized projects and share components among reports. Create report using a wizard. Create reports from scratch, including grouping levels, parameters, and drill through features. Build interactive dashboard with graphs, charts, and maps. Deploy and manage reports for use by others in the business. Who This Book Is For Database professionals of all experience levels who have some experience in databases and want to make the leap into business intelligence reporting. The book is an excellent choice for those needing to add Reporting Services to their current list of skills, or who are looking for a skill set that is in demand for in order to break into IT.

Business Intelligence with SQL Server Reporting Services

Apress Business Intelligence with SQL Server Reporting Services helps you deliver business intelligence with panache. Harness the power of the Reporting Services toolkit to combine charts, gauges, sparklines, indicators, and maps into compelling dashboards and scorecards. Create compelling visualizations that seize your audience's attention and help business users identify and react swiftly to changing business conditions. Best of all, you'll do all these things by creating new value from software that is already installed and paid for - SQL Server and the included SQL Server Reporting Services. Businesses run on numbers, and good business intelligence systems make the critical numbers immediately and conveniently accessible. Business users want access to key performance indicators in the office,

at the beach, and while riding the subway home after a day's work. Business Intelligence with SQL Server Reporting Services helps you meet these need for anywhere/anytime access by including chapters specifically showing how to deliver on modern devices such as smart phones and tablets. You'll learn to deliver the same information, with similar look-and-feel, across the entire range of devices used in business today. Key performance indicators give fast notification of business unit performance Polished dashboards deliver essential metrics and strategic comparisons Visually arresting output on multiple devices focuses attention

Microsoft SQL Server Reporting Services Recipes for Designing Expert Reports

John Wiley & Sons Learn to design more effective and sophisticated business reports While most users of SQL Server Reporting Services are now comfortable designing and building simple reports, business today demands increasingly complex reporting. In this book, top Reporting Services design experts have contributed step-by-step recipes for creating various types of reports. Written by well-known SQL Server Reporting Services experts, this book gives you the tools to meet your clients' needs

SQL Server 2016 Reporting Services Cookbook

Packt Publishing Ltd Create interactive cross-platform reports and dashboards using SQL Server 2016 Reporting Services About This Book Get up to speed with the newly-introduced enhancements and the more advanced query and reporting features Easily access your important data by creating visually appealing dashboards in the Power BI practical recipe Create cross-browser and cross-platform reports using SQL Server 2016 Reporting Services Who This Book Is For This book is for software professionals who develop and implement reporting solutions using Microsoft SQL Server. It is especially relevant for professionals who are software engineers, software architects, DW/BI engineers, and DW/BI architects who perform simple to complex report authoring implementations. This book is also suitable for those who develop software solutions that integrate reporting solutions and are keen to learn about Microsoft SQL Server 2016's features and capabilities. What You Will Learn Key capabilities, architecture, and components of Reporting Services New features that have been added to Reporting Services Design the architecture for reporting solutions Design the architecture for BI solutions Implement reporting solutions using Reporting Services Improve the performance, availability, and scalability of the reporting solution Enhance reporting solutions with custom programming and improved security In Detail Microsoft SQL Server 2016 Reporting

Services comes with many new features. It offers different types of reporting such as Production, Ad-hoc, Dashboard, Mash-up, and Analytical. SQL Server 2016 also has a surfeit of new features including Mobile Reporting, and Power BI integration. This book contains recipes that explore the new and advanced features added to SQL Server 2016. The first few chapters cover recipes on configuring components and how to explore these new features. You'll learn to build your own reporting solution with data tools and report builder, along with learning techniques to create visually appealing reports. This book also has recipes for enhanced mobile reporting solutions, accessing these solutions effectively, and delivering interactive business intelligence solutions. Towards the end of the book, you'll get to grips with running reporting services in SharePoint integrated mode and be able to administer, monitor, and secure your reporting solution. This book covers about the new offerings of Microsoft SQL Server 2016 Reporting Services in comprehensive detail and uses examples of real-world problem-solving business scenarios. Style and approach This comprehensive cookbook follows a problem-solution approach to help you overcome any obstacle when creating interactive, visually-appealing reports using SQL Server 2016 Reporting Services. Each recipe focuses on a specific task and is written in a clear, solution-focused style.

Extending SSIS with .NET Scripting

A Toolkit for SQL Server Integration Services

Apress *Extending SSIS with .NET Scripting* is a timeless and comprehensive scripting toolkit for SQL Server Integration Services to solve a wide array of everyday problems that SSIS developers encounter. The detailed explanation of the Script Task and Script Component foundations helps you develop your own scripting solutions, but this book also shows a broad arsenal of readymade and well-documented scripting solutions for common problems. All examples are in both C# and VB.NET, and work for all current versions of SSIS. SSIS is one of the leading ETL, Data Consolidation, and Data Transformation tools in today's market. SSIS is used by ETL Developers, DBAs and Data Analysts to transform data as required for different ETL processes. There are many built-in components and tasks to help developers to perform actions. For example, there are tasks for sending and receiving files through FTP, sending an email, and for accessing a wide range of database management systems. Yet there are times when developers require a task or component that does not exist and it would make their life much easier if they could create that task or component, and that is what this book it is about. It shows how to write .NET scripts and use the powerful Microsoft .NET library to implement new functionality as needed. Provides a timeless scripting toolkit for all current SSIS versions Gives a comprehensive explanation of scripting in SSIS Offers a wide array of readymade examples for everyday problems

Building Performance Dashboards and Balanced Scorecards with SQL Server Reporting Services

John Wiley & Sons Discover how to maintain and update balanced scorecards and performance dashboards with SQL Server Reporting Services Complementing the bestselling *Balanced Scorecards and Operational Dashboards with Microsoft Excel (9780470386811)*, this indispensable book shows you how to create maintainable and dynamically updated scorecards and performance dashboards using Microsoft's premier reporting tool for the enterprise: SQL Server Reporting Services. The book begins with coverage of performance management methods and metrics and then moves on to introduce you to techniques for developing and delivering both a dashboard and balanced scorecard using Reporting Services. The authors assume very limited knowledge of Reporting Services, allowing you to gradually progress through more advanced topics and solutions. Shows you how to build a simple dashboard and balanced scorecard utilizing helpful examples Discusses formatting controls and labels, paging, and conditional formatting Introduces the skills necessary to make Reporting Services dashboards and scorecards interactive Covers the visual aspect of dashboards and scorecards and shows how to design and implement dashboards and scorecards in Reporting Services for mobile devices Explains how to apply the techniques covered earlier in the book for specific business applications This book sets itself apart from other titles with its comprehensive and invaluable coverage of key strategies and techniques for effectively using SQL Reporting Services to create scorecards and dashboards.

Microsoft System Center

Configuration Manager Field

Experience

Pearson Education Part of a series of specialized guides on System Center - this book shares real-world expertise for using Configuration Manager capabilities to deliver more effective IT services. Series editor Mitch Tulloch and a team of System Center experts provide concise technical guidance as they step you through key deployment and management scenarios.

MURACH'S SQL SERVER 2016 FOR

DEVELOPERS.

Securing SQL Server

Protecting Your Database from Attackers

Syngress SQL server is the most widely-used database platform in the world, and a large percentage of these databases are not properly secured, exposing sensitive customer and business data to attack. In Securing SQL Server, Third Edition, you will learn about the potential attack vectors that can be used to break into SQL server databases as well as how to protect databases from these attacks. In this book, Denny Cherry - a Microsoft SQL MVP and one of the biggest names in SQL server - will teach you how to properly secure an SQL server database from internal and external threats using best practices as well as specific tricks that the author employs in his role as a consultant for some of the largest SQL server deployments in the world. Fully updated to cover the latest technology in SQL Server 2014, this new edition walks you through how to secure new features of the 2014 release. New topics in the book include vLANs, setting up RRAS, anti-virus installs, key management, moving from plaintext to encrypted values in an existing application, securing Analysis Services Objects, Managed Service Accounts, OS rights needed by the DBA, SQL Agent Security, Table Permissions, Views, Stored Procedures, Functions, Service Broker Objects, and much more. Presents hands-on techniques for protecting your SQL Server database from intrusion and attack Provides the most in-depth coverage of all aspects of SQL Server database security, including a wealth of new material on Microsoft SQL Server 2014. Explains how to set up your database securely, how to determine when someone tries to break in, what the intruder has accessed or damaged, and how to respond and mitigate damage if an intrusion occurs.

SQL the One

Microsoft SQL Server Interview Guide

Notion Press "Congratulations! You are going to WIN your next SQL Server interview. "SQL The One" book can guide you to achieve the success in your next interview. This book covers Microsoft SQL Server interview experiences, questions and answers for a range of SQL DBA's and SQL Server Professionals. All of these questions have been collected from the people who attended interviews at various multinational

companies across the world. It also covers “How to prepare for a SQL DBA interview?” and “How to become an expert in your career?” Salient Features of Book All interview questions are asked in various MNC Covers 1090 real time questions and answers 254 questions on SQL Server Performance Tuning Covers all SQL Server HA & DR features 316 questions on SQL Server HA & DR features Lots of scenario based questions Covers SQL Server 2005, 2008, 2008 R2, 2012, 2014 and 2016 Questions are categorized In-depth explanations An Interview Experience with Microsoft Useful as a reference guide for SQL DBA Interview preparation

Microsoft Dynamics 365 Extensions Cookbook

Packt Publishing Ltd More than 80 recipes to help you leverage the various extensibility features available for Microsoft Dynamics and solve problems easily About This Book Customize, configure, and extend the vanilla features of Dynamics 365 to deliver bespoke CRM solutions fit for any organization Implement business logic using point-and-click configuration, plugins, and client-side scripts with MS Dynamics 365 Built a DevOps pipeline as well as Integrate Dynamics 365 with Azure and other platforms Who This Book Is For This book is for developers, administrators, consultants, and power users who want to learn about best practices when extending Dynamics 365 for enterprises. You are expected to have a basic understand of the Dynamics CRM/365 platform. What You Will Learn Customize, configure, and extend Microsoft Dynamics 365 Create business process automation Develop client-side extensions to add features to the Dynamics 365 user interface Set up a security model to securely manage data with Dynamics 365 Develop and deploy clean code plugins to implement a wide range of custom behaviors Use third-party applications, tools, and patterns to integrate Dynamics 365 with other platforms Integrate with Azure, Java, SSIS, PowerBI, and Octopus Deploy Build an end-to-end DevOps pipeline for Dynamics 365 In Detail Microsoft Dynamics 365 is a powerful tool. It has many unique features that empower organisations to bridge common business challenges and technology pitfalls that would usually hinder the adoption of a CRM solution. This book sets out to enable you to harness the power of Dynamics 365 and cater to your unique circumstances. We start this book with a no-code configuration chapter and explain the schema, fields, and forms modeling techniques. We then move on to server-side and client-side custom code extensions. Next, you will see how best to integrate Dynamics 365 in a DevOps pipeline to package and deploy your extensions to the various SDLC environments. This book also covers modern libraries and integration patterns that can be used with Dynamics 365 (Angular, 3 tiers, and many others). Finally, we end by highlighting some of the powerful extensions available. Throughout we explain a range of design patterns and techniques that can be used to enhance your code quality; the aim is that you will learn to write enterprise-scale quality code. Style and approach This book takes a recipe-based approach, delivering practical examples and use cases so that you can identify the best possible approach to extend your Dynamics 365 deployment and tackle your specific business problems.

Microsoft System Center Operations Manager Field Experience

Microsoft Press Part of a series of specialized guides on System Center, this book focuses on Microsoft System Center Operations Manager. For the seasoned professional, it covers the role of the Operations Manager product, the best practices for working with management packs, how to use the reporting feature to simplify managing the product, how to thoroughly troubleshoot, and how to use and install Operations Manager in the Microsoft Azure Public Cloud environment.

Microsoft Azure Essentials - Fundamentals of Azure

Microsoft Press Microsoft Azure Essentials from Microsoft Press is a series of free ebooks designed to help you advance your technical skills with Microsoft Azure. The first ebook in the series, Microsoft Azure Essentials: Fundamentals of Azure, introduces developers and IT professionals to the wide range of capabilities in Azure. The authors - both Microsoft MVPs in Azure - present both conceptual and how-to content for key areas, including: Azure Websites and Azure Cloud Services Azure Virtual Machines Azure Storage Azure Virtual Networks Databases Azure Active Directory Management tools Business scenarios Watch Microsoft Press's blog and Twitter (@MicrosoftPress) to learn about other free ebooks in the "Microsoft Azure Essentials" series.

SQL Server Analysis Services Succinctly

Createspace Independent Publishing Platform The massive amount of data collected by businesses often creates a lot of work without doing much good. To make data work for them, businesses need solutions that summarize and organize it in ways that will influence the decisions they make each day. With SQL Server Analysis Services Succinctly by Stacia Misner, you will learn how to implement a business intelligence solution through SQL Server Analysis Services. You'll start with developing a database, and learn which architecture is most appropriate for the database's end use. You will then learn how to design practical dimensions and cubes, and how to store business logic within the cubes through MDX. Finally, you will learn how to deploy a working solution to the tool of your choice in Microsoft's business intelligence stack, including Excel, SQL Server Reporting Services, and SharePoint.

Pro SQL Server 2008 Reporting Services

Apress Pro SQL Server Reporting Services 2008 is the third edition of Apress' top book on Microsoft's enterprise-level reporting tool. The previous edition has sold some 2100 units over a two-year period. This revision, combined with the impending release of SQL Server 2008, breathes new life into the topic and into this book.

Professional Microsoft SQL Server 2016 Reporting Services and Mobile Reports

John Wiley & Sons A Detailed Look at Data Processing Extensions

SQL Server 2017 Integration Services Cookbook

Packt Publishing Ltd Harness the power of SQL Server 2017 Integration Services to build your data integration solutions with ease About 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 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.

Beginning Microsoft SQL Server 2012 Programming

John Wiley & Sons Get up to speed on the extensive changes to the newest release of Microsoft SQL Server The 2012 release of Microsoft SQL Server changes how you develop applications for SQL Server. With this comprehensive resource, SQL Server authority Robert Vieira presents the fundamentals of database design and SQL concepts, and then shows you how to apply these concepts using the updated SQL Server. Publishing time and date with the 2012 release, Beginning Microsoft SQL Server 2012 Programming begins with a quick overview of database design basics and the SQL query language and then quickly proceeds to show you how to implement the fundamental concepts of Microsoft SQL Server 2012. You'll explore the key additions and changes to this newest version, including conditional action constructs, enhanced controls for results paging, application integration with SharePoint and Excel, and development of BI applications. Covers new features such as SQL Azure for cloud computing, client-connectivity enhancements, security and compliance, data replication, and data warehouse performance improvements Addresses essential topics including managing keys, writing scripts, and working with store procedures Shares helpful techniques for creating and changing tables, programming with XML, and using SQL Server Reporting and Integration Services Beginning Microsoft SQL Server 2012 Programming demystifies even the most difficult challenges you may face with the new version of Microsoft SQL Server.

Microsoft SQL Server 2005 Management and Administration (Adobe Reader)

Pearson Education Microsoft SQL Server 2005 Management and Administration, based on Service Pack 2, addresses the challenges database administrators regularly encounter on SQL Server 2005 by providing detailed guidance in the areas of management, administration, security, and monitoring. With coverage of the new features and functionality of SQL Server 2005 Service Pack 2, this book is designed to be comprehensive, resulting in something for all database administrators—from simple tips to tactical solutions. Microsoft SQL Server 2005 Management and Administration goes far beyond the basic installation and setup information found in many other resources. The book looks at day-to-day administration, best practices, tips, and step-by-step configurations based on real-world examples found in the industry. Unlike others, this book includes not only administration and management details on the Database Engine, but also coverage of other SQL Server 2005 components often overlooked, including Analysis Services, Reporting Services, and more. Understand how to... Configure and tune the Database Engine, Reporting Services, Analysis Services, Integration Services, and Notification Services Harden a SQL Server implementation Implement SQL Server highavailability alternatives, such as Failover Clustering, Log Shipping, Database Mirroring, and Replication Monitor a SQL Server 2005 infrastructure with Operations Manager 2007, including how to configure the SQL Server Management Pack and install Operations Manager 2007 Automate SQL Server routine maintenance Encrypt SQL Server data and communications, including setting up a Certificate Authority Performance tune and troubleshoot a SQL Server environment Create Integration Services packages and transfer data

Microsoft SQL Server 2012 Reporting Services

Use your SQL Server skills to create and manage key data reports Deliver interactive business intelligence reports using SQL Server 2012 Reporting Services, and help facilitate real-time decision making throughout the enterprise. SQL Server expert Stacia Misner shows you in detail how to design, manage, and access custom reports that capture data from multiple sources. This book is ideal for experienced SQL Server developers, whether you're new to Reporting Services or upgrading from an earlier version. Discover how to: Use the latest features, including the Power View ad hoc reporting tool Design reports by understanding how your audience accesses and uses data Add interactive features to help end users sort and filter data Create rich data visualization with charts, gauges, indicators, and data maps Configure your

report server, provide security, and monitor report contents Use SharePoint or Report Manager to search and access reports online Create a library of report parts that clients can use for ad hoc reporting Build and manage reports using Reporting Services as a development platform

The Happiness Hypothesis

Finding Modern Truth in Ancient Wisdom

Basic Books The bestselling author of *The Righteous Mind* and *The Coddling of the American Mind* draws on philosophical wisdom and scientific research to show how the meaningful life is closer than you think *The Happiness Hypothesis* is a book about ten Great Ideas. Each chapter is an attempt to savor one idea that has been discovered by several of the world's civilizations -- to question it in light of what we now know from scientific research, and to extract from it the lessons that still apply to our modern lives and illuminate the causes of human flourishing. Award-winning psychologist Jonathan Haidt, the author of *The Righteous Mind* and *The Coddling of the American Mind*, shows how a deeper understanding of the world's philosophical wisdom and its enduring maxims -- like "do unto others as you would have others do unto you," or "what doesn't kill you makes you stronger" -- can enrich and even transform our lives.

Understanding Suicide

From Diagnosis to Personalized Treatment

Springer In this book international experts address a range of key current issues relating to suicide. The opening chapters discuss nosology, definitions, clinical determinants, and conceptual models of the suicide process and consider the evidence regarding potential biomarkers of suicide risk based on neuroscientific research. Adopting a neo-Durkheimian perspective, the role of various social factors in the genesis of suicidal behavior is then explored in depth. Practical user-friendly tools that facilitate risk assessment by clinicians are provided, and detailed consideration is given to efficient and innovative strategies for the prevention of suicide and the treatment of suicidal behavior, such as psychotherapy, psychopharmacological approaches, and effective organization of care, including surveillance and the use of online tools. The final part of the book focuses on the need for and development of a personalized approach within the field of suicide prevention.

Microsoft SQL Server 2008 Step by Step

Pearson Education Teach yourself SQL Server 2008—one step at a time. Get the practical guidance you need to build database solutions that solve real-world business problems. Learn to integrate SQL Server data in your applications, write queries, develop reports, and employ powerful business intelligence systems. Discover how to: Install and work with core components and tools Create tables and index structures Manipulate and retrieve data Secure, manage, back up, and recover databases Apply tuning plus optimization techniques to generate high-performing database applications Optimize availability through clustering, database mirroring, and log shipping Tap business intelligence tools—Reporting, Analysis, and Integration Services CD features: Practice exercises and code samples Fully searchable eBook For customers who purchase an ebook version of this title, instructions for downloading the CD files can be found in the ebook.

SQL Server 2017 Administration Inside Out

Microsoft Press Conquer SQL Server 2017 administration—from the inside out Dive into SQL Server 2017 administration—and really put your SQL Server DBA expertise to work. This supremely organized reference packs hundreds of timesaving solutions, tips, and workarounds—all you need to plan, implement, manage, and secure SQL Server 2017 in any production environment: on-premises, cloud, or hybrid. Four SQL Server experts offer a complete tour of DBA capabilities available in SQL Server 2017 Database Engine, SQL Server Data Tools, SQL Server Management Studio, and via PowerShell. Discover how experts tackle today's essential tasks—and challenge yourself to new levels of mastery.

- Install, customize, and use SQL Server 2017's key administration and development tools
- Manage memory, storage, clustering, virtualization, and other components
- Architect and implement database infrastructure, including IaaS, Azure SQL, and hybrid cloud configurations
- Provision SQL Server and Azure SQL databases
- Secure SQL Server via encryption, row-level security, and data masking
- Safeguard Azure SQL databases using platform threat protection, firewalling, and auditing
- Establish SQL Server IaaS network security groups and user-defined routes
- Administer SQL Server user security and permissions
- Efficiently design tables using keys, data types, columns, partitioning, and views
- Utilize BLOBs and external, temporal, and memory-optimized tables
- Master powerful optimization techniques involving concurrency, indexing, parallelism, and execution plans
- Plan, deploy, and perform disaster recovery in traditional, cloud, and hybrid environments

For Experienced SQL Server Administrators and Other Database Professionals

- Your role: Intermediate-to-advanced level SQL Server database administrator, architect, developer, or

performance tuning expert • Prerequisites: Basic understanding of database administration procedures

Extending Microsoft Dynamics NAV 2016 Cookbook

Packt Publishing Ltd Make the most of your NAV deployment by extending and customizing it with a variety of expert tools About This Book Extend Dynamics in a cost-effective manner by using tools that are ready at your disposal Solve common business problems with the valuable features and flexibility of Dynamics NAV Follow practical and easy-to-grasp examples, illustrations, and coding to make the most out of Dynamics NAV in your organisation Who This Book Is For This book is for Dynamics NAV developers and administrators who have a good knowledge level and understanding of Dynamics NAV application development and administration. What You Will Learn Develop a module in Dynamics NAV using C/AL Build relationships with COM technologies Develop and integrate COM with Dynamics NAV 2016 Call the framework members from C/AL Develop an event in the .NET framework and see how to subscribe to it using C/AL Automate the deployment into Dynamics NAV Develop Windows Client Control add-Ins Deploy your resource automatically from Visual Studio Install and Configure Windows Client Control add-Ins Integrate Dynamics NAV with Sharepoint In Detail Microsoft Dynamics NAV is an enterprise resource planning (ERP) software suite for organizations. The system offers specialized functionality for manufacturing, distribution, government, retail, and other industries. Its integrated development environment enables customizations with minimal disruption to business processes. The book starts explaining the new features of Dynamics NAV along with how to create and modify a simple module. Moving on, you will learn the importance of thinking beyond the boundaries of C/AL development and the possibilities opened by with it. Next, you will get to know how COM can be used to extend the functionalities of Dynamics NAV. You'll find out how to extend the Dynamics NAV 2016 version using .NET interoperability and will see the steps required to subscribe to .NET events in order to extend Dynamics NAV. Finally, you'll see the cmdlets available to manage extension packages. By the end of the book, you will have the knowledge needed to become more efficient in selecting the extending methods, developing and deploying them to the Dynamics NAV, and practicing the best practices. Style and approach The book follows a practical recipe-based approach focusing on real-world scenarios and giving you all the information you need to build a strong Dynamics NAV implementation.

Tabular Modeling in Microsoft SQL Server Analysis Services

Microsoft Press Build agile and responsive business intelligence solutions Create a semantic model and analyze data using the tabular model in SQL Server 2016

Analysis Services to create corporate-level business intelligence (BI) solutions. Led by two BI experts, you will learn how to build, deploy, and query a tabular model by following detailed examples and best practices. This hands-on book shows you how to use the tabular model's in-memory database to perform rapid analytics—whether you are new to Analysis Services or already familiar with its multidimensional model. Discover how to:

- Determine when a tabular or multidimensional model is right for your project
- Build a tabular model using SQL Server Data Tools in Microsoft Visual Studio 2015
- Integrate data from multiple sources into a single, coherent view of company information
- Choose a data-modeling technique that meets your organization's performance and usability requirements
- Implement security by establishing administrative and data user roles
- Define and implement partitioning strategies to reduce processing time
- Use Tabular Model Scripting Language (TMSL) to execute and automate administrative tasks
- Optimize your data model to reduce the memory footprint for VertiPaq
- Choose between in-memory (VertiPaq) and pass-through (DirectQuery) engines for tabular models
- Select the proper hardware and virtualization configurations
- Deploy and manipulate tabular models from C# and PowerShell using AMO and TOM libraries

Get code samples, including complete apps, at: <https://aka.ms/tabular/downloads>

About This Book • For BI professionals who are new to SQL Server 2016 Analysis Services or already familiar with previous versions of the product, and who want the best reference for creating and maintaining tabular models. • Assumes basic familiarity with database design and business analytics concepts.

Big Data Meets Survey Science

A Collection of Innovative Methods

John Wiley & Sons Offers a clear view of the utility and place for survey data within the broader Big Data ecosystem. This book presents a collection of snapshots from two sides of the Big Data perspective. It assembles an array of tangible tools, methods, and approaches that illustrate how Big Data sources and methods are being used in the survey and social sciences to improve official statistics and estimates for human populations. It also provides examples of how survey data are being used to evaluate and improve the quality of insights derived from Big Data. *Big Data Meets Survey Science: A Collection of Innovative Methods* shows how survey data and Big Data are used together for the benefit of one or more sources of data, with numerous chapters providing consistent illustrations and examples of survey data enriching the evaluation of Big Data sources. Examples of how machine learning, data mining, and other data science techniques are inserted into virtually every stage of the survey lifecycle are presented. Topics covered include: Total Error Frameworks for Found Data; Performance and Sensitivities of Home Detection on Mobile Phone Data; Assessing Community Wellbeing Using Google Street View and Satellite Imagery; Using Surveys to Build and Assess RBS Religious Flag; and more. Presents groundbreaking survey methods being utilized today in the field of Big Data. Explores how machine learning methods can be applied to the design, collection, and

analysis of social science data Filled with examples and illustrations that show how survey data benefits Big Data evaluation Covers methods and applications used in combining Big Data with survey statistics Examines regulations as well as ethical and privacy issues Big Data Meets Survey Science: A Collection of Innovative Methods is an excellent book for both the survey and social science communities as they learn to capitalize on this new revolution. It will also appeal to the broader data and computer science communities looking for new areas of application for emerging methods and data sources.

Microsoft Dynamics AX 2012 R3 Reporting Cookbook

Packt Publishing Ltd Microsoft Dynamics AX 2012 R3 Reporting Cookbook is recommended for Dynamics AX developers and .NET-based SSRS developers looking to familiarize themselves with the new AX reporting framework.

Introducing Microsoft SQL Server 2014

Microsoft Press 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

Inside Microsoft Dynamics AX 2012 R3

Pearson Education Explores the architecture, components, and tools of Microsoft Dynamics AX 2012 R3, including forms, security, SharePoint integration, workflow infrastructure, reporting, automating tasks and document distribution, and application domain frameworks.

Professional Microsoft SQL Server 2008 Reporting Services

John Wiley & Sons Teaches solution architects, designers, and developers how to use Microsoft's reporting platform to create reporting and business intelligence (BI) solutions Updated with new information about holistic BI solutions, comprehensive 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

Beginning SQL Server for Developers

Apress *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

Microsoft Azure SQL Database Step by Step

Pearson Education Your hands-on guide to Azure SQL Database fundamentals
 Expand your expertise—and teach yourself the fundamentals of Windows Azure SQL Database. If you have previous programming experience but are new to Azure, this tutorial delivers the step-by-step guidance and coding exercises you need to master core topics and techniques. Discover how to: Perform Azure setup and configuration
 Explore design and security considerations Use programming and reporting services
 Migrate data Backup and sync data Work with scalability and high performance
 Understand the differences between SQL Server and Windows Azure SQL Database

Microsoft System Center Software Update Management Field Experience

Pearson Education 800x600 Focused technical guidance from System Center experts
 Part of a series of specialized guides on System Center--this book walks through the tools and resources used to manage the complex task of tracking and applying software updates to client computers in the enterprise using Windows Server 2012 R2 and System Center 2012 R2, or later. Written by experts on the Microsoft System Center team and with Microsoft MVP Mitch Tulloch as series editor, this title focuses on maintaining operational efficiency, minimizing security issues, and maintaining the stability of the network infrastructure. Normal 0 false false false EN-US X-NONE X-NONE MicrosoftInternetExplorer4

The Microsoft® Data Warehouse Toolkit

With SQL Server® 2005 and the Microsoft Business Intelligence Toolset

John Wiley & Sons

Microsoft SQL Server 2012 Step by Step

Pearson Education Your hands-on, step-by-step guide to building applications with Microsoft SQL Server 2012 Teach yourself the programming fundamentals of SQL Server 2012—one step at a time. Ideal for beginning SQL Server database administrators and developers, this tutorial provides clear guidance and practical, learn-by-doing exercises for building database solutions that solve real-world business problems. Discover how to: Install and work with core components and tools Create tables and index structures Manipulate and retrieve data Secure, manage, back up, and recover databases Apply techniques for building high-performing applications Use clustering, database mirroring, and log shipping

Microsoft ASP.NET 4 Step by Step

Pearson Education Teach yourself the fundamentals of Web development with ASP.NET 4-one step at a time. With STEP BY STEP, you get the guidance and learn-by-doing examples you need to start building Web applications and Web services in the Microsoft Visual Studio(R) 2010 environment. The author-a highly regarded programming expert, writer, and instructor-illuminates ASP.NET features through practical examples that help developers quickly grasp concepts and apply techniques to the real world. The book also includes a companion CD with code samples, data sets, and a fully searchable eBook. For customers who purchase an ebook version of this title, instructions for downloading the CD files can be found in the ebook.

Data Integration Life Cycle Management with SSIS

A Short Introduction by Example

Apress Build a custom BimlExpress framework that generates dozens of SQL Server Integration Services (SSIS) packages in minutes. Use this framework to execute related SSIS packages in a single command. You will learn to configure SSIS catalog projects, manage catalog deployments, and monitor SSIS catalog execution and history. Data Integration Life Cycle Management with SSIS shows you how to bring DevOps benefits to SSIS integration projects. Practices in this book enable faster time to market, higher quality of code, and repeatable automation. Code will be created that is easier to support and maintain. The book teaches you how to more effectively manage SSIS in the enterprise environment by drawing on the art and science of modern DevOps practices. What You'll Learn Generate dozens of SSIS packages in minutes to speed your integration projects Reduce the execution of

related groups of SSIS packages to a single command Successfully handle SSIS catalog deployments and their projects Monitor the execution and history of SSIS catalog projects Manage your enterprise data integration life cycle through automated tools and utilities Who This Book Is For Database professionals working with SQL Server Integration Services in enterprise environments. The book is especially useful to those readers following, or wishing to follow, DevOps practices in their use of SSIS.