

Sql Server Analysis Services 2012 Cube Development Cookbook By Dewald Baya Hughes Steve Turley Paul 2013 Paperback

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Pro SQL Server 2012 BI Solutions - Randal Root 2012-10-23

Business intelligence projects do not need to cost multi-millions of dollars or take months or even years to complete! Using rapid application development (RAD) techniques along with Microsoft SQL Server 2012, this book guides database administrators, SQL programmers, and report specialists in creating practical, cost-effective business intelligence solutions for their companies and departments. *Pro SQL Server 2012 BI Solutions* provides practical examples of cost-effective business intelligence projects. Readers will be guided through several complete projects that build a foundation for real-world solutions. Even with limited experience using Microsoft's SQL Server, Integration Server, Analysis Server, and Reporting Server, you can leverage your existing knowledge of SQL programming and database design to provide users with the business intelligence reports they need. Provides recipes for multiple business intelligence scenarios Progresses from simple to advanced projects using several examples Shows Microsoft SQL Server technology used to complete real-world business intelligence projects
SQL Server 2017 Integration Services Cookbook - Christian Cote 2017-06-30

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.

Microsoft Excel 2013 Building Data Models with PowerPivot - Alberto Ferrari 2013-03-15

Your guide to quickly turn data into results. Transform your skills, data, and business—and create your own BI solutions using software you already know and love: Microsoft Excel. Two business intelligence (BI) experts take you inside PowerPivot functionality for Excel 2013, with a focus on real world scenarios, problem-solving, and data modeling. You'll learn how to quickly turn mass quantities of data into meaningful information and on-the-job results—no programming required! Understand the differences between PowerPivot for Self Service BI and SQL Server Analysis Services for Corporate BI Extend your existing data-analysis skills to create your own BI solutions Quickly manipulate large data sets, often in millions of rows Perform simple-to-sophisticated calculations and what-if analysis Create complex reporting systems with data modeling and Data Analysis Expressions Share your results effortlessly across your organization using Microsoft SharePoint Authors' note on using Microsoft Excel 2016: This book's content was written against Excel 2013, but it is useful and valid for users of Excel 2016 too. Excel 2016 introduces several new DAX functions and an improved editor for DAX without changing any existing behavior. In other words, all of the concepts and examples explained in this book continue to work with Excel 2016.

Microsoft SQL Server 2012 Bible - Adam Jorgensen 2012-08-06

Harness the powerful new SQL Server 2012 Microsoft SQL Server 2012 is the most significant update to this product since 2005, and it may change how database administrators and developers perform many aspects of their jobs. If you're a database administrator or developer, Microsoft SQL Server 2012 Bible teaches you everything you need to take full advantage of this major release. This detailed guide not only covers all the new features of SQL Server 2012, it also shows you step by step how to develop top-notch SQL Server databases and new data connections and keep your databases performing at peak. The book is crammed with specific examples, sample code, and a host of tips, workarounds, and best practices. In addition, downloadable code is available from the book's companion web site, which you can use to jumpstart your own projects. Serves as an authoritative guide to Microsoft's SQL Server 2012 for database administrators and developers Covers all the software's new features and capabilities, including SQL Azure for cloud computing, enhancements to client connectivity, and new functionality that ensures high-availability of mission-critical applications Explains major new changes to the SQL Server Business Intelligence tools, such as Integration, Reporting, and Analysis Services Demonstrates tasks both graphically and in SQL code to enhance your learning Provides source code from the companion web site, which you can use as a basis for your own projects Explores tips, smart workarounds, and best practices to help you on the job Get thoroughly up to speed on SQL Server 2012 with Microsoft SQL Server 2012 Bible.
Introducing Microsoft SQL Server 2019 - Kellyn Gorman 2020-04-27
Explore the impressive storage and analytic tools available with the in-cloud and on-premises versions of Microsoft SQL Server 2019. Key FeaturesGain insights into what's new in SQL Server 2019Understand use cases and customer scenarios that can be implemented with SQL

Server 2019 Discover new cross-platform tools that simplify management and analysis Book Description Microsoft SQL Server comes equipped with industry-leading features and the best online transaction processing capabilities. If you are looking to work with data processing and management, getting up to speed with Microsoft Server 2019 is key. Introducing SQL Server 2019 takes you through the latest features in SQL Server 2019 and their importance. You will learn to unlock faster querying speeds and understand how to leverage the new and improved security features to build robust data management solutions. Further chapters will assist you with integrating, managing, and analyzing all data, including relational, NoSQL, and unstructured big data using SQL Server 2019. Dedicated sections in the book will also demonstrate how you can use SQL Server 2019 to leverage data processing platforms, such as Apache Hadoop and Spark, and containerization technologies like Docker and Kubernetes to control your data and efficiently monitor it. By the end of this book, you'll be well versed with all the features of Microsoft SQL Server 2019 and understand how to use them confidently to build robust data management solutions. What you will learn Build a custom container image with a Dockerfile Deploy and run the SQL Server 2019 container image Understand how to use SQL server on Linux Migrate existing paginated reports to Power BI Report Server Learn to query Hadoop Distributed File System (HDFS) data using Azure Data Studio Understand the benefits of In-Memory OLTP Who this book is for This book is for database administrators, architects, big data engineers, or anyone who has experience with SQL Server and wants to explore and implement the new features in SQL Server 2019. Basic working knowledge of SQL Server and relational database management system (RDBMS) is required.

Tabular Modeling with SQL Server 2016 Analysis Services Cookbook - Derek Wilson 2017-01-30

Expert tabular modeling techniques for building and deploying cutting-edge business analytical reporting solutions About This Book Build and deploy Tabular Model projects from relational data sources Leverage DAX and create high-performing calculated fields and measures Create ad-hoc reports based on a Tabular Model solution Useful tips to monitor and optimize your tabular solutions Who This Book Is For This book is for SQL BI professionals and Architects who want to exploit the full power of the new Tabular models in Analysis Services. Some knowledge of previous versions of Analysis services would be helpful but is not essential. What You Will Learn Learn all about Tabular services mode and how it speeds up development Build solutions using sample datasets Explore built-in actions and transitions in SSAS 2016 Implement row-column, and role-based security in a Tabular Data model Realize the benefits of in-memory and DirectQuery deployment modes Get up to date with the new features added to SQL Server 2016 Analysis Services Optimize Data Models and Relationships Usage In Detail SQL Server Analysis Service (SSAS) has been widely used across multiple businesses to build smart online analytical reporting solutions. It includes two different types of modeling for analysis services: Tabular and Multi Dimensional. This book covers Tabular modeling, which uses tables and relationships with a fast in-memory engine to provide state of the art compression algorithms and query performance. The book begins by quickly taking you through the concepts required to model tabular data and set up the necessary tools and services. As you learn to create tabular models using tools such as Excel and Power View, you'll be shown various strategies to deploy your model on the server and choose a query mode (In-memory or DirectQuery) that best suits your reporting needs. You'll also learn how to implement key and newly introduced DAX functions to create calculated columns and measures for your model data. Last but not least, you'll be shown techniques that will help you administer and secure your BI implementation along with some widely used tips and tricks to optimize your reporting solution. By the end of this book, you'll have gained hands-on experience with the powerful new features that have been added to Tabular models in SSAS 2016 and you'll be able to improve user satisfaction with faster reports and analytical queries. Style and approach This book takes a practical, recipe-based approach where each recipe lists the steps to address or implement a solution. You will be provided with several approaches to creating a business intelligence semantic model using analysis services.

Developing Business Intelligence Apps for SharePoint - David Feldman 2013-07-02

Create dynamic business intelligence (BI) solutions for SharePoint faster and with more capabilities than previously possible. With this book, you'll learn the entire process—from high-level concepts to development and deployment—for building data-rich BI applications with Visual Studio

LightSwitch, SQL Server 2012, and a host of related Microsoft technologies. You'll learn practical techniques and patterns necessary to use all of these technologies together as you build an example application through the course of the book, step by step. Discover how to solve real problems, using BI solutions that will evolve to meet future needs. Learn the fundamentals of SharePoint, LightSwitch, and SQL Server 2012 Get a solid grounding in BI application basics and database design principles Use LightSwitch to build a help desk app, including data model design and SharePoint data integration Build a tabular cube with Microsoft's Business Intelligence Semantic Model (BISM) Dive into the data visualization stack, including Excel and SQL Server Reporting Services Create reports with Excel Services, Report Builder, and PowerView Use tips and tricks for setting up your BI application development environment

MDX Solutions - George Spofford 2006-03-06

Serving as both a tutorial and a reference guide to the MDX (Multidimensional Expressions) query language, this book shows data warehouse developers what they need to know to build effective multidimensional data warehouses After a brief overview of the MDX language and a look at how it is used to access data in sophisticated, multidimensional databases and data warehousing, the authors move directly to providing practical examples of MDX in use New material covers changes in the MDX language itself as well as major changes in its implementation with the latest software releases of Microsoft SQL Server Analysis Services 2005 and Hyperion Essbase Also covers more advanced techniques, like aggregation, query templates, and MDX optimization, and shows users what they need to know to access and analyze data to make better business decisions Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Hands-On SQL Server 2019 Analysis Services - Steven Hughes 2020-10-22

Get up to speed with the new features added to Microsoft SQL Server 2019 Analysis Services and create models to support your business Key Features Explore tips and tricks to design, develop, and optimize end-to-end data analytics solutions using Microsoft's technologies Learn tabular modeling and multi-dimensional cube design development using real-world examples Implement Analysis Services to help you make productive business decisions Book Description SQL Server Analysis Services (SSAS) continues to be a leading enterprise-scale toolset, enabling customers to deliver data and analytics across large datasets with great performance. This book will help you understand MS SQL Server 2019's new features and improvements, especially when it comes to SSAS. First, you'll cover a quick overview of SQL Server 2019, learn how to choose the right analytical model to use, and understand their key differences. You'll then explore how to create a multi-dimensional model with SSAS and expand on that model with MDX. Next, you'll create and deploy a tabular model using Microsoft Visual Studio and Management Studio. You'll learn when and how to use both tabular and multi-dimensional model types, how to deploy and configure your servers to support them, and design principles that are relevant to each model. The book comes packed with tips and tricks to build measures, optimize your design, and interact with models using Excel and Power BI. All this will help you visualize data to gain useful insights and make better decisions. Finally, you'll discover practices and tools for securing and maintaining your models once they are deployed. By the end of this MS SQL Server book, you'll be able to choose the right model and build and deploy it to support the analytical needs of your business. What you will learn Determine the best analytical model using SSAS Cover the core aspects involved in MDX, including writing your first query Implement calculated tables and calculation groups (new in version 2019) in DAX Create and deploy tabular and multi-dimensional models on SQL 2019 Connect and create data visualizations using Excel and Power BI Implement row-level and other data security methods with tabular and multi-dimensional models Explore essential concepts and techniques to scale, manage, and optimize your SSAS solutions Who this book is for This Microsoft SQL Server book is for BI professionals and data analysts who are looking for a practical guide to creating and maintaining tabular and multi-dimensional models using SQL Server 2019 Analysis Services. A basic working knowledge of BI solutions such as Power BI and database querying is required.

Introducing Microsoft SQL Server 2016 - Stacia Varga 2016-06-28 With Microsoft SQL Server 2016, a variety of new features and enhancements to the data platform deliver breakthrough performance, advanced security, and richer, integrated reporting and analytics capabilities. In this ebook, we introduce new security features: Always Encrypted, Row-Level Security, and dynamic data masking; discuss

enhancements that enable you to better manage performance and storage: TemDB configuration, query store, and Stretch Database; review several improvements to Reporting Services; and also describe AlwaysOn Availability Groups, tabular enhancements, and R integration.

Power Query for Power BI and Excel - Christopher Webb 2014-07-05
Power Query for Power BI and Excel is a book for people who are tired of copying and pasting data into Excel worksheets. Power Query, part of the Microsoft Power BI suite, is a tool that automates the process of getting data into Excel and will save you hours of dull, repetitive, and error-prone work! Power Query makes it easy to extract data from many different data sources, filter that data, aggregate it, clean it and perform calculations on it, finally loading that data into either your worksheet or directly into the new Excel 2013 Data Model used by Power Pivot. This concise, practical book provides a complete guide to Power Query and how to use it to solve all of your Excel data-loading problems. Power Query for Power BI and Excel goes well beyond the surface of what Power Query can do. The book goes deep into the underlying M language, showing you how to do amazing things that aren't going to be possible from just the GUI interface that is covered in most other books. You'll have full command of the GUI, and you'll be able to drop into the M language to go beyond what the GUI provides. The depth in this book makes it a must-have item for anyone who is pushing Power BI and Excel to their limits in the pursuit of business intelligence from data analysis. Teaches the basics of using Power Query to load data into Excel Helps you solve common, data-related problems with Power Query Shows how to write your own solutions in the powerful M language

SQL Server Analysis Services Succinctly - Stacia Misner 2017-02-05
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.

Bi Solutions Using Ssas Tabular Model Succinctly - Parikshit Savjani 2017-02-05

In BI Solutions Using SSAS Tabular Model Succinctly by Parikshit Savjani, delivering a business intelligence solution is broken down into simple steps to help you turn raw data into an interactive reporting dashboard. Savjani walks you through the layers of a BI solution, how to develop a tabular data model with SSAS, and how to prepare the data model for deployment before turning it into an interactive dashboard in Microsoft Power View. If you're just getting started with the Microsoft BI stack or looking for another analysis tool for your data, download the e-book today.

Inside Microsoft Dynamics AX 2012 - The Microsoft Dynamics AX Team 2012-10-15

Dig into the architecture and internals of Microsoft Dynamics AX 2012—with firsthand insights from the team that designed and developed it. Targeted for solution developers and system implementers, this guide focuses on programming and customization capabilities—including key architectural principles, the application model, framework, and tools. Topics include: Architecture and development environment, including MorphX Microsoft Visual Studio tools for Microsoft Dynamics AX X++ programming language Microsoft SQL Server reporting and analytics Models Core development concepts Extending and customizing Microsoft Dynamics AX Performance and security considerations Workflow Best practices Note: Readers should have working knowledge of SQL and OOP concepts to gain max benefit from this book.

Beginning Microsoft SQL Server 2012 Programming - Paul Atkinson 2012-04-16

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.

Expert Cube Development with SSAS Multidimensional Models - Chris Webb 2014-02-24

An easy-to-follow guide full of hands on examples of real-world Analysis Services cube development tasks. Each topic is explained and placed in context, and for the more inquisitive reader, there also more in-depth details of the concepts used. If you are an Analysis Services cube designer wishing to learn more advanced topic and best practices for cube design, this book is for you. You are expected to have some prior experience with Analysis Services cube development.

Expert Cube Development with SQL Server Analysis Services 2012 Multidimensional Models - Alberto Ferrari 2014-02

An easytofollow guide full of hands on examples of realworld Analysis Services cube development tasks. Each topic is explained and placed in context, and for the more inquisitive reader, there also more indepth details of the concepts used.If you are an Analysis Services cube designer wishing to learn more advanced topic and best practices for cube design, this book is for you.You are expected to have some prior experience with Analysis Services cube development.

Expert Cube Development with Microsoft SQL Server 2008 Analysis Services - Chris Webb 2009-07-15

Design and implement fast, scalable and maintainable cubes with Microsoft SQL Server 2008 Analysis Services with this book and eBook *SQL Server Analysis Services 2012 Cube Development Cookbook* - Baya Dewald 2013-12

A practical cookbook packed with recipes to help developers produce data cubes as quickly as possible by following step by step instructions, rather than explaining data mining concepts with SSAS.If you are a BI or ETL developer using SQL Server Analysis services to build OLAP cubes, this book is ideal for you. Prior knowledge of relational databases and experience with Excel as well as SQL development is required.

Delivering Business Intelligence with Microsoft SQL Server 2012 3/E - Brian Larson 2012-03-16

Implement a Robust BI Solution with Microsoft SQL Server 2012 Equip your organization for informed, timely decision making using the expert tips and best practices in this practical guide. Delivering Business Intelligence with Microsoft SQL Server 2012, Third Edition explains how to effectively develop, customize, and distribute meaningful information to users enterprise-wide. Learn how to build data marts and create BI Semantic Models, work with the MDX and DAX languages, and share insights using Microsoft client tools. Data mining and forecasting are also covered in this comprehensive resource. Understand the goals and components of successful BI Design, deploy, and manage data marts and OLAP cubes Load and cleanse data with SQL Server Integration Services Manipulate and analyze data using MDX and DAX scripts and queries Work with SQL Server Analysis Services and the BI Semantic Model Author interactive reports using SQL Server Data Tools Create KPIs and digital dashboards Use data mining to identify patterns, correlations, and clusters Implement time-based analytics Embed BI reports in custom applications using ADOMD.NET

Tabular Modeling in Microsoft SQL Server Analysis Services - Marco Russo 2017-04-12

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.

MDX with SSAS 2012 Cookbook - Tomislav Piasevoli Sherry Li 2013-01-01

This book is written in a recipe-based style packed full of practical tips and techniques to help you analyse multidimensional data stored in SSAS 2012 cubes. If you need to master MDX queries in SSAS, then this book is for you! If you are a Microsoft SQL Server Analysis Services developer and want to improve your solutions using MDX, then this book is for you. This book is also an essential resource for report developers who need to access the multidimensional cubes through the MDX language. The book assumes you have some basic working knowledge of MDX and a basic understanding of dimensional modelling and cube design.

Instant SQL Server Analysis Services 2012 Cube Security - Satya Sk Jayanty 2013

Filled with practical, step-by-step instructions and clear explanations for the most important and useful tasks. Instant Microsoft SQL Server Analysis Services 2012 Cube Security is a practical, hands-on guide that provides a number of clear, step-by-step exercises for getting started with cube security. This book is aimed at Database Administrators, Data Architects, and Systems Administrators who are managing the SQL Server data platform. It is also beneficial for analysis services developers who already have some experience with the technology, but who want to go into more detail on advanced topics and learn best practices for cube design.

Programming Microsoft SQL Server 2012 - Andrew Brust 2012-07-15 Your essential guide to key programming features in Microsoft SQL Server 2012 Take your database programming skills to a new level—and build customized applications using the developer tools introduced with SQL Server 2012. This hands-on reference shows you how to design, test, and deploy SQL Server databases through tutorials, practical examples, and code samples. If you're an experienced SQL Server developer, this book is a must-read for learning how to design and build effective SQL Server 2012 applications. Discover how to: Build and deploy databases using the SQL Server Data Tools IDE Query and manipulate complex data with powerful Transact-SQL enhancements Integrate non-relational features, including native file streaming and geospatial data types Consume data with Microsoft ADO.NET, LINQ, and Entity Framework Deliver data using Windows Communication Foundation (WCF) Data Services and WCF RIA Services Move your database to the cloud with Windows Azure SQL Database Develop Windows Phone cloud applications using SQL Data Sync Use SQL Server BI components, including xVelocity in-memory technologies

Microsoft SQL Server 2012 Analysis Services - Marco Russo 2012 Analyze tabular data using the BI Semantic Model (BISM) in SQL Server 2012 Analysis Services—and discover a simpler method for creating corporate-level BI solutions. Led by three BI experts, you'll learn how to build, deploy, and query a BISM tabular model with step-by-step guides, examples, and best practices. This hands-on book shows you how the tabular model's in-memory database enables you to perform rapid analytics—whether you're a professional BI developer new to Analysis Services or already familiar with its multidimensional model --

Inside Microsoft Dynamics AX 2012 R3 - Microsoft Dynamics AX Team 2014

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.

Practical MDX Queries: For Microsoft SQL Server Analysis

Services 2008 - Art Tennick 2010-07-29

300+ ready-to-use, powerful MDX queries This hands-on guide shows you how to use Multi-Dimensional Expressions (MDX) to extract business intelligence from multi-dimensional cubes. Practical MDX Queries contains more than 300 downloadable MDX queries that can be applied across a wide variety of business intelligence-related problems. The use, syntax, and results of each query are described in detail. The book emphasizes MDX for use with SSAS within SSMS, but the techniques and queries also apply to SSRS, SSIS, MDX in SQL, MDX in DMX, MDX in XMLA, WinForms, WebForms, PerformancePoint Server, ProClarity, and many third-party applications. Work with dimensions, hierarchies, levels, and members Navigate both horizontally and vertically across dimensions and hierarchies Sort the results of your queries Access subsets of dimension members and measure values using the Where clause and Filter function Use MDX query calculations Extract and manipulate dates and times Produce totals, subtotals, and changes cross time using aggregate and other functions Create, visualize, and manipulate sets Work with perspectives, subselects, and subcubes Display and hide empty cells Use, modify, format, and create Key Performance Indicators (KPIs) Deliver MDX query results to end users

Pro SQL Server 2012 Integration Services - Francis Rodrigues 2012-09-12

Pro SQL Server 2012 Integration Services teaches how to take advantage of the powerful extract, transform, and load (ETL) platform included with Microsoft SQL Server 2012. You'll learn to build scalable, robust, performance-driven enterprise ETL solutions that save time and make money for your company. You'll learn to avoid common ETL development pitfalls and how to extend the power of your ETL solutions to include virtually any possible transformation on data from any conceivable source. SQL Server Integration Services (SSIS) facilitates an unprecedented ability to load data from anywhere, perform any type of manipulation on it, and store it to any source. Whether you are populating databases, retrieving data from the Web, or performing complex calculations on large data sets, SSIS gives you the tools to get the job done. And this book gives you the knowledge to take advantage of everything SSIS offers. Helps you design and develop robust, efficient, scalable ETL solutions Walks you through using the built-in, stock components Shows how to programmatically extend the power of SSIS to cover any possible scenario

The Definitive Guide to DAX - Alberto Ferrari 2015-10-14

This comprehensive and authoritative guide will teach you the DAX language for business intelligence, data modeling, and analytics. Leading Microsoft BI consultants Marco Russo and Alberto Ferrari help you master everything from table functions through advanced code and model optimization. You'll learn exactly what happens under the hood when you run a DAX expression, how DAX behaves differently from other languages, and how to use this knowledge to write fast, robust code. If you want to leverage all of DAX's remarkable power and flexibility, this no-compromise "deep dive" is exactly what you need. Perform powerful data analysis with DAX for Microsoft SQL Server Analysis Services, Excel, and Power BI Master core DAX concepts, including calculated columns, measures, and error handling Understand evaluation contexts and the CALCULATE and CALCULATETABLE functions Perform time-based calculations: YTD, MTD, previous year, working days, and more Work with expanded tables, complex functions, and elaborate DAX expressions Perform calculations over hierarchies, including parent/child hierarchies Use DAX to express diverse and unusual relationships Measure DAX query performance with SQL Server Profiler and DAX Studio

SQL Server Analysis Services 2012 Cube Development Cookbook - Baya Dewald 2013-12-26

A practical cookbook packed with recipes to help developers produce data cubes as quickly as possible by following step by step instructions, rather than explaining data mining concepts with SSAS. If you are a BI or ETL developer using SQL Server Analysis services to build OLAP cubes, this book is ideal for you. Prior knowledge of relational databases and experience with Excel as well as SQL development is required.

Getting Started with SQL Server 2012 Cube Development - Simon Lidberg 2013-09-13

As a practical tutorial for Analysis Services, get started with developing cubes. "Getting Started with SQL Server 2012 Cube Development" walks you through the basics, working with SSAS to build cubes and get them up and running. Written for SQL Server developers who have not previously worked with Analysis Services. It is assumed that you have experience with relational databases, but no prior knowledge of cube

development is required. You need SQL Server 2012 in order to follow along with the exercises in this book.

Microsoft SQL Server 2014 Business Intelligence Development Beginner's Guide - Reza Rad 2014-05-26

Written in an easy-to-follow, example-driven format, there are plenty of stepbystep instructions to help get you started! The book has a friendly approach, with the opportunity to learn by experimenting. If you are a BI and Data Warehouse developer new to Microsoft Business Intelligence, and looking to get a good understanding of the different components of Microsoft SQL Server for Business Intelligence, this book is for you. It's assumed that you will have some experience in databases systems and T-SQL. This book is will give you a good upshot view of each component and scenarios featuring the use of that component in Data Warehousing and Business Intelligence systems.

MDX with Microsoft SQL Server 2016 Analysis Services Cookbook - Tomislav Piasevoli 2016-11-30

Over 70 practical recipes to analyze multi-dimensional data in SQL Server 2016 Analysis Services cubes About This Book Updated for SQL Server 2016, this book helps you take advantage of the new MDX commands and the new features introduced in SSAS Perform time-related, context-aware, and business related-calculations with ease to enrich your Business Intelligence solutions Collection of techniques to write flexible and high performing MDX queries in SSAS with carefully structured examples Who This Book Is For This book is for anyone who has been involved in working with multidimensional data. If you are a multidimensional cube developer, a multidimensional database administrator, or a report developer who writes MDX queries to access multidimensional cube, this book will help you. If you are a power cube user or an experienced business analyst, you will also find this book invaluable in your data analysis. This book is for you are interested in doing more data analysis so that the management can make timely and accurate business decisions. What You Will Learn Grasp the fundamental MDX concepts, features, and techniques Work with sets Work with Time dimension and create time-aware calculations Make analytical reports compact, concise, and efficient Navigate cubes Master MDX for reporting with Reporting Services (new) Perform business analytics Design efficient cubes and efficient MDX queries Create metadata-driven calculations (new) Capture MDX queries and many other techniques In Detail If you're often faced with MDX challenges, this is a book for you. It will teach you how to solve various real-world business requirements using MDX queries and calculations. Examples in the book introduce an idea or a problem and then guide you through the process of implementing the solution in a step-by-step manner, inform you about the best practices and offer a deep knowledge in terms of how the solution works. Recipes are organized by chapters, each covering a single topic. They start slowly and logically progress to more advanced techniques. In case of complexity, things are broken down. Instead of one, there are series of recipes built one on top of another. This way you are able to see intermediate results and debug potential errors faster. Finally, the cookbook format is here to help you quickly identify the topic of interest and in it a wide range of practical solutions, that is - MDX recipes for your success. Style and approach This book is written in a cookbook format, where you can browse through and look for solutions to a particular problem in one place. Each recipe is short, to the point and grouped by relevancy. All the recipes are sequenced in a logical progression; you will be able to build up your understanding of the topic incrementally.

Getting Started with SQL Server 2012 Cube Development - Simon Lidberg 2013

As a practical tutorial for Analysis Services, get started with developing cubes. "Getting Started with SQL Server 2012 Cube Development" walks you through the basics, working with SSAS to build cubes and get them up and running.Written for SQL Server developers who have not previously worked with Analysis Services. It is assumed that you have experience with relational databases, but no prior knowledge of cube development is required. You need SQL Server 2012 in order to follow along with the exercises in this book.

Professional Microsoft SQL Server 2014 Administration - Adam Jorgensen 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.

Beginning SQL Server 2005 Administration - Dan Wood 2007-03-31

For the first time, SQL Server 2005 provides features that can support large-scale enterprise databases. With this powerful new release, you may find yourself being called upon to perform duties that are no longer strictly "administrative," duties that have become much more complicated and difficult. With that in mind, a team of experienced Microsoft Certified Professionals provides you with the necessary information to be a more competent and successful database developer or administrator. Beginning with a foundation that features detailed coverage of typical administrative duties, the authors proceed to explain how to build complex data transformations for data import, build distributed data solutions, and maintain the security and integrity of the database. You will be able to apply what you learn to real-world scenarios, and smoothly navigate the vastly changed landscape of SQL Server 2005 administration. What you will learn from this book How to install, maintain, and manage an SQL Server 2005 installation, including high availability and security considerations Various features such as the Common Language Runtime, SQL Server Integration Services, Notification Service, and the Service Broker How to use the tools that are necessary to manage configuration, backups, restores, security, availability, performance, and monitoring A sampling of some of the more advanced areas and complex jobs of the broadening role of a database administrator in the enterprise Who this book is for This book is for both developers and administrators who are responsible for the management and maintenance of an SQL Server 2005 database. Familiarity with relational database concepts and SQL is assumed. Wrox Beginning guides are crafted to make learning programming languages and technologies easier than you think, providing a structured, tutorial format that will guide you through all the techniques involved. Enhance Your Knowledge Advance Your Career

Inside Microsoft Dynamics AX 2012 R3 - The Microsoft Dynamics AX Team 2014-07-28

Fully updated for Microsoft Dynamics AX 2012 R3! Dig into the architecture and internals of Microsoft Dynamics AX 2012 R3 - with firsthand insights from the team that designed and developed it. Deepen your knowledge of the underlying frameworks, components, and tools - and deliver custom ERP applications with the extensibility and performance your business needs. Useful for Microsoft Dynamics AX solution developers at all levels, this guide will provide max benefit to those who understand OOP, relational database, and Transact-SQL concepts. Gain best practices, patterns, and techniques to: Exploit interoperability with Microsoft Visual Studio tools Work with MorphX and avoid common pitfalls with X++ code Use Enterprise Portal with ASP.NET and SharePoint for rich web-based apps Simplify process automation with built-in workflow infrastructure See how the runtime implements security and configuration Design and customize the user experience Gain greater control over complex batch jobs Customize the prebuilt BI solution and reporting Test applications, publish services, and optimize performance

Instant SQL Server Analysis Services 2012 Cube Security - Satya S. K. Jayanty 2013-01-01

Filled with practical, step-by-step instructions and clear explanations for the most important and useful tasks. Instant Microsoft SQL Server Analysis Services 2012 Cube Security is a practical, hands-on guide that provides a number of clear, step-by-step exercises for getting started with cube security.This book is aimed at Database Administrators, Data

Architects, and Systems Administrators who are managing the SQL Server data platform. It is also beneficial for analysis services developers who already have some experience with the technology, but who want to go into more detail on advanced topics and learn best practices for cube design.

Professional Microsoft SQL Server 2012 Analysis Services with MDX and DAX - Sivakumar Harinath 2012-10-06

Understand Microsoft's dramatically updated new release of its premier toolset for business intelligence The first major update to Microsoft's state-of-the-art, complex toolset for business intelligence (BI) in years is now available and what better way to master it than with this detailed book from key members of the product's development team? If you're a database or data warehouse developer, this is the expert resource you need to build full-scale, multi-dimensional, database applications using Microsoft's new SQL Server 2012 Analysis Services and related tools. Discover how to solve real-world BI problems by leveraging a slew of powerful new Analysis Services features and capabilities. These include the new DAX language, which is a more user-friendly version of MDX; PowerPivot, a new tool for performing simplified analysis of data; BISM, Microsoft's new Business Intelligence Semantic Model; and much more. Serves as an authoritative guide to Microsoft's new SQL Server 2012 Analysis Services BI product and is written by key members of the Microsoft Analysis Services product development team Covers SQL Server 2012 Analysis Services, a major new release with a host of powerful new features and capabilities Topics include using the new DAX language, a simplified, more user-friendly version of MDX; PowerPivot, a

new tool for performing simplified analysis of data; BISM, Microsoft's new Business Intelligence Semantic Model; and a new, yet-to-be-named BI reporting tool Explores real-world scenarios to help developers build comprehensive solutions Get thoroughly up to speed on this powerful new BI toolset with the timely and authoritative Professional Microsoft SQL Server 2012 Analysis Services with MDX.

Microsoft SQL Server 2012 Analysis Services - Alberto Ferrari 2012-07-15

Build agile and responsive Business Intelligence solutions Analyze tabular data using the BI Semantic Model (BISM) in Microsoft SQL Server 2012 Analysis Services—and discover a simpler method for creating corporate-level BI solutions. Led by three BI experts, you'll learn how to build, deploy, and query a BISM tabular model with step-by-step guides, examples, and best practices. This hands-on book shows you how the tabular model's in-memory database enables you to perform rapid analytics—whether you're a professional BI developer new to Analysis Services or 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 2010 Integrate data from multiple sources into a single, coherent view of company information Use the Data Analysis eXpressions (DAX) language to create calculated columns, measures, and queries Choose a data modeling technique that meets your organization's performance and usability requirements Optimize your data model for better performance with xVelocity storage engine Manage complex data relationships, such as multicolumn, banding, and many-to-many Implement security by establishing administrative and data user roles