Business Intelligence Avec Sql Server Mise En Oeuvre Dun Projet Deacutecisionnel Mise En Oeuvre Dun Projet

Maximize the Business Intelligence Tools in Microsoft SQL Server 2008 Manage, analyze, and distribute enterprise data with help from this expert resource. Delivering Business Intelligence with Microsoft SQL Server 2008 covers the entire BI lifecycle and explains how to build robust data integration, reporting, and analysis solutions. Real-world examples illustrate all of the powerful BI capabilities of SQL Server 2008. This is your one-stop guide for transforming disparate data into actionable insight for users throughout your organization. Understand the goals and benefits of business intelligence Design and create relational data marts and OLAP cubes Manage Analysis Services databases using BI Development Studio Cleanse data and populate data marts with SQL Server Integration Services Take advantage of the flexibility of the Unified Dimensional Model Manipulate and analyze data using MDX scripts and queries Use data mining to identify data patterns, correlations, and clustering Develop and distribute interactive reports with SQL Server 2008 Reporting Services Integrate business intelligence into enterprise applications using ADOMD.NET and the Report Viewer Control

Get the end-to-end instruction you need to design, develop, and deploy more effective data integration, reporting, and analysis solutions using SQL Server 2008--whether you're new to business intelligence (BI) programming or a seasoned pro. With real-world examples and insights from an expert team, you'll master the concepts, tools, and techniques for building solutions that deliver intelligence--and business value--exactly where users want it. Discover how to: Manage the development life cycle and build a BI team Dig into SQL Server Analysis Services, Integration Services, and Reporting Services Navigate the Business Intelligence Development Studio (BIDS) Write queries that rank, sort, and drill down on sales data Develop extract, transform, and load (ETL) solutions Add a source code control system Help secure packages for deployment via encryption and credentials Use MDX and DMX Query Designers to build reports based on OLAP cubes and data mining models Create and implement custom objects using .NET code View reports in Microsoft Office Excel and Office SharePoint Serverook.

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

A one-stop guide to help database developers build Business Intelligence applications from scratch! About This Video Understand basic Data Warehousing, OLTP, and OLAP. Use SSDT (SQL Server Data Tools) to develop SSIS packages and design reports. Learn about SSIS, SSAS, and SSRS architectures and their components. In Detail In the course, you will cover topics including Business Intelligence fundamentals, data warehousing and ETL, data governance, data visualization, Power BI, data mining, SSAS, SSIS, and Azure Data Analysis Services, with each covering a section of the Microsoft BI with SQL Server 2017. You will get more hands-on with reporting and making sense out of your business intelligence data with SQL Server. The course will not only help you implement BI Data warehousing solutions, but will also enable you to provide data solutions with SQL Server Integration Services covering Enterprise Suite for data governance, improving data quality, and master data management. By the end of this course, you will be confident enough to create your own Microsoft BI solutions with components such as SSIS for ETL, SQL Server for Data Warehouse, SSAS for OLAP modeling and data mining, and SSRS for reporting. The course will not only help you in implementing BI; Data warehousing solutions, but will also enable you to provide data solutions with SQL Server Integration Services covering Enterprise suit for data governance, improving data quality, and master data management. By the end of this course, you will be able confident in creating your own Microsoft BI solutions with components such as SSIS for ETL, SQL Server for Data Warehouse, SSAS for OLAP modeling and data mining, and SSRS for reporting.

Foundations of SQL Server 2008 R2 Business Intelligence introduces the entire exciting gamut of business intelligence tools included with SQL Server 2008. Microsoft has designed SQL Server 2008 to be more than just a database. It's a complete business intelligence (BI) platform. The database is at its core, and surrounding the core are tools for data mining, modeling, reporting, analyzing, charting, and integration with other enterprise-level software packages. SQL Server 2008 puts an incredible amount of BI functionality at your disposal. But how do you take advantage of it? That's what this book is all about. Authors Guy Fouché and Lynn Langit show how to implement end-to-end BI solutions using SQL Server Analysis Services (SSAS), SQL Server Integration Services (SSIS), SQL Server Reporting Services (SSRS), and other tools in the Microsoft business intelligence toolkit. You'll learn about all-features such as PowerPivot and Report Builder 3.0. Also provided are clear examples of predictive analysis made possible through powerful data mining features in SQL Server. If you're an analyst or developer working with SQL Server 2008 who is charged with delivering results that drive business success, you can't afford to be without this book; you can't afford to ignore the powerful business intelligence suite that Microsoft has placed at your disposal. Provides the "big picture" of Microsoft's BI tool suite Covers PowerPivot and other game-changing technologies introduced alongside SQL Server 2008 Release 2 Gives a practical analysis of features based on real-world practices

Transform disparate enterprise data into actionable business intelligence Put timely, mission-critical information in the hands of employees across your organization using Microsoft SQL Server 2005 and the comprehensive information in this unique resource. Delivering Business Intelligence with Microsoft SQL Server 2005 shows you, step-by-step, how to author, customize, and distribute information that will give your company the competitive edge. It's all right here--from data mining, warehousing, and scripting techniques to MDX queries, KPI analysis, and the all-new Unified Dimensional Model. Real-world examples, start-to-finish exercises, and downloadable code throughout illustrate all of the integration, analysis, and reporting capabilities of SQL Server 2005.

Ce livre sur la Business Intelligence (BI) avec SQL Server 2014, s'adresse à tous les membres d'une équipe décisionnelle : chef de projet, architecte, développeur ETL, développeur de rapports, service Aide à la Maîtrise d'Ouvrage (AMO). Du débutant au technicien expérimenté, le lecteur bénéficiera d'une approche métier du décisionnel. Tout au long du livre, et très progressivement, les auteurs détaillent les concepts clés du décisionnel puis les mettent concrètement en application. Ainsi, au cours des différents chapitres, le lecteur va utiliser les différents outils de la suite SQL Server pour bâtir progressivement un système décisionnel complet et professionnel. à chaque chapitre, le livre regorge de solutions concrètes et professionnelles et de bonnes pratiques. Le lecteur bénéficie des retours d'expérience des auteurs pour finalement gagner en expertise sur les différentes étapes d'un projet décisionnel. Plus précisément, les auteurs proposent de créer le système décisionnel d'une société virtuelle, Distrisys. Ce sera l'occasion pour le lecteur d'aborder les sujets suivants : - L'architecture des serveurs et le choix des licences. - La modélisation de l'entrepôt de données. - La conception du cube Analysis Services. - La réalisation des différents types de flux d'alimentation ETL avec Integration Services. - La mise en place de référentiel de données avec Master Data Services. - L'utilisation d'Excel et de PowerPivot pour exploiter les données décisionnelles. - La réalisation de rapports opérationnels et décisionnels avec Reporting Services. Cette nouvelle édition du livre traite de la restriction des accès aux données d'un cube Analysis Services et propose des exemples de modélisation standards dont le lecteur pourra s'inspirer. Les différentes solutions réalisées au cours du livre sont en téléchargement sur le site www.editions-eni.fr et sont directement exploitables dans des projets.

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

Get the end-to-end instruction you need to design, develop, and deploy more effective data integration, reporting, and analysis solutions using SQL Server 2008—whether you're new to business intelligence (BI) programming or a seasoned pro. With real-world examples and insights from an expert team, you'll master the concepts, tools, and techniques for building solutions that deliver intelligence—and business value—exactly where users want it. Discover how to: Manage the development life cycle and build a BI team Dig into SQL Server Analysis Services, Integration Services, and Reporting Services Navigate the Business Intelligence Development Studio (BIDS) Write queries that rank, sort, and drill down on sales data Develop extract, transform, and load (ETL) solutions Add a source code control system Help secure packages for deployment via encryption and credentials Use MDX and DMX Query Designers to build reports based on OLAP cubes and data mining models Create and implement custom objects using .NET code View reports in Microsoft Office Excel and Office SharePoint Serverook

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.

Implement business intelligence (BI), data modeling, and data analytics within Microsoft products such as Power BI, SQL Server, and Excel Key Features Understand the ins and outs of DAX expressions and querying functions with the help of easy-to-follow examples Manipulate data of varying complexity and optimize BI workflows to extract key insights Create, monitor, and improve the performance of models by writing clean and robust DAX queries Book Description Data Analysis Expressions (DAX) is known for its ability to increase efficiency by extracting new information from data that is already present in your model. With this book, you'll learn to use DAX's functionality and flexibility in the BI and data analytics domains. You'll start by learning the basics of DAX, along with understanding the importance of good data models, and how to write efficient DAX formulas by using variables and formatting styles. You'll then explore how DAX queries work with the help of examples. The book will guide you through optimizing the BI workflow by writing powerful DAX queries. Next, you'll learn to manipulate and load data of varying complexity within Microsoft products such as Power BI, SQL Server, and Excel Power Pivot. You'll then discover how to build and extend your data models to gain additional insights, before covering progressive DAX syntax and functions to understand complex relationships in DAX. Later, you'll focus on important DAX functions, specifically those related to tables, date and time, filtering, and statistics. Finally, you'll delve into advanced topics such as how the formula and storage engines work to optimize queries. By the end of this book, you'll have gained hands-on experience in employing DAX to enhance your data models by extracting new information and gaining deeper insights. What you will learn Understand DAX, from the basics through to advanced topics, and learn to build effective data models Write and use DAX functions and expressions with the help of hands-on examples Discover how to handle errors in your DAX code, and avoid unwanted results Load data into a data model using Power BI, Excel Power Pivot, and SSAS Tabular Cover DAX functions such as date, time, and time intelligence using code examples Gain insights into data by using DAX to create new information Understand the DAX VertiPaq engine and how it can help you optimize data models Who this book is for This book is for data analysts, business analysts, BI developers, or SQL users who want to make the best use of DAX in the BI and data analytics domain with the help of examples. Some understanding of BI concepts is mandatory to fully understand the concepts covered in the book.

This book looks beyond the jargon at real business problems and common-sense solutions. Data is the lifeblood of your business. Microsoft BI tools help you collect that data; sort, store, and analyze it; find it when you need it; and use it to make decisions.

A book-and-video introduction to Microsoft's Business Intelligence tools If you are just starting to get a handle on Microsoft Business Intelligence (BI) tools, this book and accompanying video

provides you with the just the right amount of information to perform basic business analysis and reporting. You'll explore the components and related tools that comprise the Microsoft BI toolset as well as the new BI features of Office 2010. After a basic primer on BI and data modeling, the expert team of authors provides you with step-by-step lessons in the book and videos on the accompanying DVD on how to use SQL Server Integration Services, SQL Server Analysis Services, SQL Server Reporting Services, Excel BI (including PowerPivot), and SharePoint. Integrates instructional videos with each of the lessons found in the book to enhance your learning experience Explores the Microsoft Business Intelligence (BI) toolset as well as the new BI features of Office 2010 Encourages you to practice what you've learned in "Try It Out" sections Contains video demonstrations that walk you through how to tackle each lesson featured in the book With Knight's Microsoft Business Intelligence 24-Hour Trainer, veteran authors present you with an ideal introductory book-and-video package so that you can get started working with the BI toolset immediately! Note: As part of the print version of this title, video lessons are included on DVD. For e-book versions, video lessons can be accessed at wrox.com using a link provided in the interior of the e-book.

Master Microsoft's Business Intelligence Tools Building Integrated Business Intelligence Solutions with SQL Server 2008 R2 & Office 2010 explains how to take full advantage of Microsoft's collaborative business intelligence (BI) tools. A variety of powerful, flexible technologies are covered, including SQL Server Analysis Services (SSAS), Excel, Excel Services, PowerPivot, SQL Server Integration Services (SSIS), Server Reporting Services (SSRS), SharePoint Server 2010, PerformancePoint Services, and Master Data Services. This practical guide focuses on deveoloping end-to-end BI solutions that foster informed decision making. Create a multidimensional store for aggregating business data with SSAS Maximize the analysis capabilities of Excel and Excel Services Combine data from different sources and connect data for analysis with PowerPivot Move data into the system using SSIS, InfoPath, Streamsight, and SharePoint 2010 External Lists Build and publish reports with SSRS Integrate data from disparate applications, using SharePoint 2010 BI features Create scorecards and dashboards with PerformancePoint Services Summarize large volumes of data in charts and graphs Use the SSRS map feature for complex visualizations of spatial data Uncover patterns and relationships in data using the SSAS data mining engine Handle master data management with Master Data Services Publish the components of your BI solution and perform administrative tasks

Business Intelligence with SQL Server Reporting ServicesApress

Recipes that teach you how to efficiently use Tableau 10 to visually analyze your dataAbout This Book* Cook your favorite Tableau 10 business intelligence recipe with the help of this easy-to-follow book* Build beautiful, interactive dashboards and visualizations in Tableau 10 that help you make informed decisions* This rich collection of independent recipes cover everything needed to become an advanced Tableau user and get an edge over other Tableau usersWho This Book Is ForThis book is targeted to business, data, and analytics professionals who want to build rich interactive visualizations using Tableau. Familiarity with previous versions of Tableau would be helpful, but is not necessary.What you will learn* Become familiar with the Tableau interface* Build basic to more advanced charts with step-by-step recipes* Use filters, calculated fields, parameters, and actions to add interactivity to charts and dashboards* Prepare and transform data for analysis using Tableau's built-in tools and functions* Create effective and compelling dashboards and story points* Leverage Tableau's mapping capabilities to visualize location and shape data* Integrate analytics and forecasting to enhance data analysis* Get to know tips and tricks to work more quickly and effectively in Tableau* Increase your confidence and competence in creating rich, interactive visualizations in TableauIn DetailTableau is a software tool that can speed up data analysis through its rich visualization capabilities, and help uncover insights for better and smarter decision making. This book is for the business, technology, data and analytics professionals who use and analyze data and data-driven approaches to support business operations and strategic initiatives in their organizations.This book provides easy-to-follow recipes to get the reader up and running with Tableau 10, and covers basic to advanced use cases and scenarios. The book starts with building basic charts in Tableau and moves on to building more complex charts by incorporating different Tableau features and interactivity components. There is an entire chapter dedicated to dashboard techniques and best practices. A number of recipes specifically for geospatial visualization, analytics, and data preparation are also covered.By the end of this book, you'll have gained confidence and competence to analyze and communicate data and insights more efficiently and effectively by creating compelling interactive charts, dashboards, and stories in Tableau.

Master the Next-Generation Business Intelligence Tools in SQL Server 2008 R2 Effectively convey meaningful business insights to users across your enterprise with help from this practical guide. Written by a team of business intelligence experts, Microsoft SQL Server 2008 R2 Analytics & Data Visualization shows how to achieve greater information absorption using the latest reporting tools. Learn how to build maps and gauges, integrate OLAP data, and develop dashboards. Security, performance tuning, and cloud computing techniques are also covered in this comprehensive resource. Design and deploy chart-based reports using SSRS 2008 R2 Display geo-spatial map data with location-based indicators Visually represent metrics and KPIs on graphs and gauges Distribute reports through SharePoint and PerformancePoint Create and publish web page parts, dashboards, and mash-ups Set up and manage cloud-based services using SQL Azure Incorporate data mining and forecasting features with Visio Integrate large amounts of data using PowerPoint for Excel Derive matrix, table, and chart data from OLAP cubes Doug Harts is a Services Executive at Microsoft currently helping U.S. Federal agencies implement Microsoft technology roadmaps. He is the author of Microsoft Office 2007 Business Intelligence, and maintains a BI community website at www.OfficeBIcentral.com. Jim Dugan is a Solutions Architect with the Microsoft Healthcare and Benefits team in Microsoft Federal. He previously served as Technical Director of Microsoft's Technology and Innovation Center in Reston, Virginia. Tricia Wilcox Almas is a Technical Architect for Business Intelligence Solutions for MicroLink, LLC, a Microsoft Gold Partner. She has been developing solutions and managing IT projects for more than 25 years.

SQL Server Integration Services Design Patterns is newly-revised for SQL Server 2014, and is a book of recipes for SQL Server Integration Services (SSIS). Design patterns in the book help to solve common problems encountered when developing data integration solutions. The patterns and solution examples in the book increase your efficiency as an SSIS developer, because you do not have to design and code from scratch with each new problem you face. The book's team of expert authors take you through numerous design patterns that you'll soon be using every day, providing the thought process and technical details needed to support their solutions. SQL Server Integration Services Design Patterns goes beyond the surface of the immediate problems to be solved, delving into why particular problems should be solved in certain ways. You'll learn more about SSIS as a result, and you'll learn by practical example. Where

appropriate, the book provides examples of alternative patterns and discusses when and where they should be used. Highlights of the book include sections on ETL Instrumentation, SSIS Frameworks, Business Intelligence Markup Language, and Dependency Services. Takes you through solutions to common data integration challenges Provides examples involving Business Intelligence Markup Language Teaches SSIS using practical examples

Know the intricate workings of DAX and the mechanics that are necessary to solve advanced Power BI challenges. This book is all about DAX (Data Analysis Expressions), the formula language used in Power BI, Microsoft's leading self-service business Intelligence application, and covers other products such as PowerPivot and SQL Server Analysis Services Tabular. You will learn how to leverage the advanced applications of DAX to solve complex tasks. Often a task seems complex due to a lack of understanding, or a misunderstanding of core principles, and how certain components interact with each other. The authors of this book use solutions and examples to teach you how to solve complex problems. They explain the intricate workings of important concepts such as Filter Context and Context Transition. Explanation is given to how, through combining building blocks of DAX (such as measures, table filtering, and data lineage), Power BI can yield impressive analytical power. Throughout Pro Dax with Power BI these building blocks are used to create and compose solutions for advanced DAX problems so you can independently build solutions to your own complex problems, and gain valuable insight from your data. What You'll Learn Understand the intricate workings of DAX to solve advanced problems Deconstruct problems into manageable parts in order to create your own recipes Apply predefined solutions for addressing problems, and link back step-by-step to the mechanics of DAX, to know the foundation of this powerful query language Get fully on board with DAX, a new and evolving language, by learning best practices Who This Book Is For Anyone who wants to use Power BI to build advanced and complex models. Some experience writing DAX is helpful, but not essential if you have experience with other data query languages such as MDX or SQL. 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.

This book shows how to deliver eye-catching Business Intelligence with Microsoft Power BI Desktop. You can now take data from virtually any source and use it to produce stunning dashboards and compelling reports that will seize your audience's attention. Slice and dice the data with remarkable ease then add metrics and KPIs to project the insights that create your competitive advantage. Make raw data into clear, accurate, and interactive information with Microsoft's free self-service business intelligence tool. Pro Power BI Desktop will help you to push your BI delivery to the next level. You'll learn to create great-looking visualizations and let your audience have fun by interacting with the elegant and visually arresting output that you can now deliver. You can choose from a wide range of built-in and third-party visualization types so that your message is always enhanced. You'll be able to deliver those results on the PC, on tablets, on smartphones, as well as share results via the cloud. Finally, this book helps you save time by preparing the underlying data correctly without needing an IT department to prepare it for you. Power BI Desktop will let your analyses speak for themselves. Simple techniques to make data into insight. Polished interactive dashboards to deliver attention-grabbing information. Visually arresting output on multiple devices grab the reader's attention. What You Will Learn Produce designer output to astound your bosses and peers. Share business intelligence in the cloud Deliver visually stunning charts, maps, and tables. Make them interactive too! Find new insights as you chop and tweak your data as never before. Adapt delivery to mobile devices such as phones and tablets. Audience Pro Power BI Desktop is written for any user who is comfortable in Microsoft Office. Everyone from CEOs and Business Intelligence developers through to power users and IT managers can use this book to outshine the competition by producing 21st Century business intelligence visualizations and reporting on a variety of devices from a variety of data sources. All of this is possible through leveraging your existing skill set with the same, common Microsoft tools you already use in your daily work.

Take business intelligence delivery to a new level that is interactive, engaging, even fun, all while driving commercial success through sound decision making. Do this through the power of visualization using this updated edition covering new features and added support for visualization in Excel 2016, and describing the latest developments in Get & Transform and DAX. The example data set has also been updated to demonstrate all that Microsoft's self-service business intelligence suite is now capable of. High Impact Data Visualization in Excel with Power View, 3D Maps, Get & Transform and Power BI, 2nd Edition helps in harnessing the power of Microsoft's flagship, self-service business intelligence suite to deliver compelling and interactive insight with remarkable ease. Learn the essential techniques needed to enhance the look and feel of reports and dashboards so that you can seize your audience's attention and provide them with clear and accurate information. Also learn to integrate data from a variety of sources and create coherent data models displaying clear metrics and attributes. Power View is Microsoft's ground-breaking tool for ad-hoc data visualization and analysis. It's designed to produce elegant and visually arresting output. It's also built to enhance user experience through polished interactivity. Power Map is a similarly powerful mechanism for analyzing data across geographic and political units. Get & Transform lets you load, shape and streamline data from multiple sources. Power Pivot can extend and develop data into a dynamic model. Power BI allows you to share your findings with colleagues, and present your insights to clients. High Impact Data Visualization in Excel with Power View, 3D Maps, Get & Transform and Power BI, 2nd Edition helps you master this suite of powerful tools from Microsoft. You'll learn to identify data sources, and to save time by preparing your underlying data correctly. You'll also learn to deliver your powerful visualizations and analyses through the cloud to PCs, tablets and smartphones. Simple techniques

take raw data and convert it into information. Slicing and dicing metrics delivers interactive insight. Visually arresting output grabs and focuses attention on key indicators. What You Will Learn Produce designer output that will astound your bosses and peers. Drive business intelligence from Excel using BI in the Cloud. Gather source data from corporate and public sources. Integrate charts, maps, and tables to deliver visually stunning information. Discover new insights as you chop and tweak your data as never before. Adapt delivery to mobile devices. Outshine competing products and enhance existing skills. Who This Book Is For Any Power BI Desktop, Excel or SharePoint user. Business Intelligence developers, power users, IT managers, finance experts, and more can use this book to outshine the competition by producing high-impact business intelligence reporting on a variety of devices from a variety of sources.

Bridge the big data gap with Microsoft Business Intelligence Tools for Excel Analysts The distinction between departmental reporting done by business analysts with Excel and the enterprise reporting done by IT departments with SQL Server and SharePoint tools is more blurry now than ever before. With the introduction of robust new features like PowerPivot and Power View, it is essential for business analysts to get up to speed with big data tools that in the past have been reserved for IT professionals. Written by a team of Business Intelligence experts, Microsoft Business Intelligence Tools for Excel Analysts introduces business analysts to the rich toolset and reporting capabilities that can be leveraged to more effectively source and incorporate large datasets in their analytics while saving them time and simplifying the reporting process. Walks you step-by-step through important BI tools like PowerPivot, SQL Server, and SharePoint and shows you how to move data back and forth between these tools and Excel Shows you how to leverage relational databases, slice data into various views to gain different visibility perspectives, create eye-catching visualizations and dashboards, automate SQL Server data retrieval and integration, and publish dashboards and reports to the web Details how you can use SQL Server's built-in functions to analyze large amounts of data, Excel pivot tables to access and report OLAP data, and PowerPivot to create powerful reporting mechanisms You'll get on top of the Microsoft BI stack and all it can do to enhance Excel data analysis with this one-of-a-kind guide written for Excel analysts just like you.

Leverage the integration of SQL Server and Office for moreeffective BI Applied Microsoft Business Intelligence shows you how toleverage the complete set of Microsoft tools—includingMicrosoft Office and SQL Server—to better analyze businessdata. This book provides best practices for building complete BIsolutions using the full Microsoft toolset. You will learn how toeffectively use SQL Server Analysis and Reporting Services, alongwith Excel, SharePoint, and other tools to provide effective andcohesive solutions for the enterprise. Coverage includes BIarchitecture, data queries, semantic models, multidimensionalmodeling, data analysis and visualization, performance monitoring,data mining, and more, to help you learn to perform practicalbusiness analysis and reporting. Written by an author team thatincludes a key member of the BI product team at Microsoft, thisuseful reference provides expert instruction for more effective useof the Microsoft BI toolset. Use Microsoft BI suite cohesively for more effective enterprisesolutions Search, analyze, and visualize data more efficiently andcompletely Develop flexible and scalable tabular and multidimensionalmodels Monitor performance, build a BI portal, and deploy and managethe BI Solution

Written in a cookbook style, this book will teach you through the use of recipes with examples and illustrations. Each recipe contains step-by-step instructions about everything necessary to execute a particular task.This book is intended for both BI and database developers who want to expand their knowledge of MicroStrategy. It is also useful for advanced data analysts who are evaluating different technologies. You do not need to be an SQL master to read this book, yet knowledge of some concepts like foreign keys and many-to-many relationships is assumed. Some knowledge of basic concepts such as dimensional modeling (fact tables, dimensions) will also help your comprehension of this book. No previous MicroStrategy knowledge is needed.

Focus your efforts on the best opportunities --

Looks at the business intelligence features of Microsoft SharePoint 2010, covering such topics as trusted data, Excel services, PowerPivot, Visio, PerformancePoint Services, dashboards, and virtual machine setup.

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

Presents a comprehensive tutorial on the core SQL Server concepts needed to understand the Sharepoint business intelligence investments offered in the text, which include Visio services, Excel services, business connectivity services, and Power View and PerformancePoint services.

Distribute Actionable, Timely BI with Microsoft® SQL Server® 2016 and Power BI Drive better, faster, more informed decision making across your organization using the expert tips and best practices featured in this hands-on guide. Delivering Business Intelligence with Microsoft SQL Server 2016, Fourth Edition, shows, step-by-step, how to distribute high-performance, custom analytics to users enterprise-wide. Discover how to build BI Semantic Models, create data marts and OLAP cubes, write MDX and DAX scripts, and share insights using Microsoft client tools. The book includes coverage of self-service business intelligence with Power BI. • Understand the goals and components of successful BI • Build data marts, OLAP cubes, and Tabular models • 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 • Implement time-based analytics • Embed data model content in custom applications using ADOMD.NET • Use Power BI to gather, model, and visualize data in a self-service environment

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

Ce livre sur la Business Intelligence (BI) avec SQL Server 2012, s'adresse à tous les membres d'une équipe décisionnelle : chef de projet, architecte, développeur ETL, développeur de rapports, service Aide à la Maîtrise d'Ouvrage (AMO). Du débutant au technicien expérimenté, le lecteur bénéficiera d'une approche métier du décisionnel. Tout au long du livre, et très progressivement, les auteurs détaillent les concepts clés du décisionnel puis les met concrètement en application. Ainsi, au cours des différents chapitres, le lecteur va utiliser les différents outils de la suite SQL Server pour bâtir progressivement un système décisionnel complet et professionnel. A chaque chapitre, le livre regorge de solutions concrètes et professionnelles et de bonnes pratiques. Le lecteur bénéficie des retours d'expérience des auteurs pour finalement gagner en expertise sur les différentes étapes d'un projet décisionnel. Plus précisément, les auteurs proposent de créer le système décisionnel d'une société virtuelle, Distrisys. Ce sera l'occasion pour le lecteur d'aborder les sujets suivants : - L'architecture des serveurs et le choix des licences - La modélisation de l'entrepôt de données - La conception du cube Analysis Services - La réalisation des différents types de flux d'alimentation ETL avec Integration Services - La mise en place de référentiel de données avec Master Data Services - L'utilisation d'Excel et de PowerPivot pour exploiter les données décisionnelles - La réalisation de rapports opérationnels et décisionnels avec Reporting Services Cette nouvelle édition mise à jour et enrichie propose la mise en place du référentiel de données au côté de l'entrepôt de données. Ce livre s'inscrit en préalable du livre Business Intelligence avec SharePoint Server 2010 - Créez un portail décisionnel et pilotez la performance paru dans la même collection aux Editions ENI. Les différentes solutions réalisées au cours du livre sont en téléchargement sur le site www.editions-eni.fr et sont directement exploitables dans des projets.

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

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

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d'Excel et de PowerPivot pour exploiter les données décisionnelles ; La réalisation de rapports opérationnels et décisionnels avec Reporting Services. Cette nouvelle édition mise à jour et enrichie propose la mise en place du référentiel de données au côté de l'entrepôt de données. Ce livre s'inscrit en préalable du livre "Business Intelligence avec SharePoint Server - Créez un portail décisionnel" et pilotez la performance paru dans la même collection aux Editions ENI.

Solve real-world business problems by learning how to create common industry key performance indicators and other calculations using DAX within Microsoft products such as Power BI, SQL Server, and Excel. Key Features Learn to write sophisticated DAX queries to solve business intelligence and data analytics challenges Handle performance issues and optimization within the data model, DAX calculations and more Solve business issues with Microsoft Excel, Power BI, and SQL Server using DAX queries Book Description DAX provides an extra edge by extracting key information from the data that is already present in your model. Filled with examples of practical, real-world calculations geared toward business metrics and key performance indicators, this cookbook features solutions that you can apply for your own business analysis needs. You'll learn to write various DAX expressions and functions to understand how DAX queries work. The book also covers sections on dates, time, and duration to help you deal with working days, time zones, and shifts. You'll then discover how to manipulate text and numbers to create dynamic titles and ranks, and deal with measure totals. Later, you'll explore common business metrics for finance, customers, employees, and projects. The book will also show you how to implement common industry metrics such as days of supply, mean time between failure, order cycle time and overall equipment effectiveness. In the concluding chapters, you'll learn to apply statistical formulas for covariance, kurtosis, and skewness. Finally, you'll explore advanced DAX patterns for interpolation, inverse aggregators, inverse slicers, and even forecasting with a deseasonalized correlation coefficient. By the end of this book, you'll have the skills you need to use DAX's functionality and flexibility in business intelligence and data analytics. What you will learn Understand how to create common calculations for dates, time, and duration Create key performance indicators (KPIs) and other business calculations Develop general DAX calculations that deal with text and numbers Discover new ideas and time-saving techniques for better calculations and models Perform advanced DAX calculations for solving statistical measures and other mathematical formulas Handle errors in DAX and learn how to debug DAX calculations Understand how to optimize your data models Who this book is for Business users, BI developers, data analysts, and SQL users who are looking for solutions to the challenges faced while solving analytical operations using DAX techniques and patterns will find this book useful. Basic knowledge of the DAX language and Microsoft services is mandatory.

This book is the most concise yet comprehensive introduction to SQL Server 2005 Business Intelligence. The book is the quickest path to seeing the Business Intelligence (BI) forest as a whole as well as understanding the trees within it. It is essential reading for all who work with SQL Server 2005. Foundations of SQL Server 2005 Business Intelligence is written by a noted expert from a practical perspective. It is designed for all users of any of the tools in SQL Server 2005's extraordinarily rich BI product suite. Developers, end-users, and even managers will find this an enlightening guide to the power and promise of SQL Server 2005 BI.

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