

# MDX Solutions

With Microsoft® SQL Server Analysis Services

George Spofford



# Mdx Solutions With Microsoft Sql Server Analysis Services

Sivakumar Harinath, Robert Zare, Sethu Meenakshisundaram, Matt Carroll, Denny Guang-Yeu Lee

# Mdx Solutions With Microsoft Sql Server Analysis Services:

MDX Solutions George Spofford, 2001 CD ROM contains Samples of MDX expressions gueries local cubes Sample OLAP database MDXBuilder 2 0 trial software Visual Basic 6 0 sample code **MDX Solutions** George Spofford, Sivakumar Harinath, Christopher Webb, Dylan Hai Huang, Francesco Civardi, 2006-02-17 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 guery 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 **SAS OLAP Server** George Spofford, 2004-01 Understanding MDX is crucial for anyone designing or implementing a database in Microsoft's products SAS Olap Server 9.1 MDX Guide provides the main documentation for the product SAS Olap Server Concepts and Excerpts from MDX Solutions with Microsoft SQL Server Analysis Services includes the subset of information Chapter 1 Chapter 2 and Appendix A from MDX Solutions with Microsoft SQL Server Analysis Services published by John Wiley Sons Inc under the ISBN 0471 40046 7 that are applicable to using SAS Olap Server 9 1 These excerpts include basic MDX information such as the MDX data model MDX construction comments in MDX and a complete MDX function and operator reference The excerpts are delivered as PDF files on CD 2003 MDX Solutions George Spofford, Sivakumar Harinath, Christopher Webb, Dylan Hai Huang, Francesco Civardi, 2006-03-06 Serving as both a tutorial and a reference guide to the MDX Multidimensional Expressions guery 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 Professional Microsoft SQL Server 2012 Analysis Services with MDX and DAX Sivakumar Harinath, Ronald Pihlgren, Denny Guang-Yeu Lee, John Sirmon, Robert M. Bruckner, 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

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Professional Microsoft SQL Server Analysis Services 2008 with MDX Sivakumar Harinath, Robert Zare, Sethu Meenakshisundaram, Matt Carroll, Denny Guang-Yeu Lee, 2009-03-16 When used with the MDX guery language SQL Server Analysis Services allows developers to build full scale database applications to support such business functions as budgeting forecasting and market analysis Shows readers how to build data warehouses and multi dimensional databases query databases and use Analysis Services and other components of SQL Server to provide end to end solutions Revised updated and enhanced the book discusses new features such as improved integration with Office and Excel 2007 query performance enhancements improvements to aggregation designer dimension designer cube and dimension wizards and cell writeback extensibility and personalization data mining and more Professional Microsoft SOL Server Analysis Services 2008 with MDX Sivakumar Harinath, Robert Zare, Sethu Meenakshisundaram, Matt Carroll, Denny Guang-Yeu Lee, 2011-01-31 When used with the MDX query language SQL Server Analysis Services allows developers to build full scale database applications to support such business functions as budgeting forecasting and market analysis Shows readers how to build data warehouses and multi dimensional databases guery databases and use Analysis Services and other components of SQL Server to provide end to end solutions Revised updated and enhanced the book discusses new features such as improved integration with Office and Excel 2007 query performance enhancements improvements to aggregation designer dimension designer cube and dimension wizards and cell writeback extensibility and personalization data mining and more Microsoft SOL Server 2012 Analysis Services Alberto Ferrari, Marco Russo, Chris Webb, 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

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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 learnDetermine the best analytical model using SSASCover the core aspects involved in MDX including writing your first queryImplement calculated tables and calculation groups new in version 2019 in DAXCreate and deploy tabular and multi dimensional models on SQL 2019Connect and create data visualizations using Excel and Power BIImplement 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 solutionsWho 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 Professional SQL Server Analysis Services 2005 with MDX Sivakumar Harinath, Stephen R. Quinn, 2006-05-30 Written by the lead developers of Analysis Services at Microsoft this book begins with an overview showing how Analysis Services and MDX can be used to build data warehouses and multidimensional databases The authors then describe the development processes for building dimensions and cubes from various data sources Demonstrating a variety of techniques in real world scenarios the book shows how MDX can be used to query databases to provide sophisticated analysis of business problems Finally the book explains how Analysis Services can be used with other components of SQL Server including DTS data mining and Report Services to provide comprehensive end to end solutions

**Applied Microsoft Analysis Services 2005** Teo Lachev, 2005 Knowledge is power As its name suggests the promise of Microsoft SQL Server Analysis Services 2005 is to promote better data analytics by giving information workers the right tool to analyze consistent timely and reliable data Empowered with Analysis Services and Microsoft Business Intelligence Platform you are well positioned to solve the perennial problem with data that there is too much of it and finding the right information is often difficult if not impossible Applied Micrisoft Analysis Services 2005 shows database administrators and developers how to build complete OLAP solutions with Microsoft Analysis Services 2005 and Microsoft Business Intelligence Platform Database administrators will learn how to design and manage sophisticated OLAP cubes that provide rich data

analytics and data mining services The book gives developers the necessary background to extend UDM with custom programming logic in the form of MDX expressions scripts and NET code It teaches them how to implement a wide range of reporting applications that integrate with Analysis Services Reporting Services and Microsoft Office This book doesn t assume any prior experience with OLAP and Microsoft Analysis Services It is designed as an easy to follow guide where each chapter builds upon the previous to implement the components of the innovative Unified Dimensional Model UDM in a chronological order New concepts are introduced with step by step instructions and hands on demos What's Inside o Design sophisticated UDM models o Build ETL processes with SSIS o Implement data mining tasks o Enrich UDM programmatically with MDX o Extend UDM with SSAS stored procedures o Create rich end user model o Optimize Analysis Services storage and processing o Implement dynamic security o Build custom OLAP clients o Author standard and ad hoc reports with SSRS o Build Office based BI applications and dashboards o and much more 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 Expert Cube Development with Microsoft SQL Server 2008 Analysis Services Chris Webb, Alberto Ferrari, Marco Russo, 2009-07-15 Design and implement fast scalable and maintainable cubes with Microsoft SQL Server 2008 Analysis Services with this book and eBook Multidimensional Databases and Data Warehousing Christian Jensen, Torben Bach Pedersen, Christian Thomsen, 2022-05-31 The present book s subject is multidimensional data models and data modeling concepts as they are applied in real data warehouses. The book aims to present the most important concepts within this subject in a precise and understandable manner The book s coverage of fundamental concepts includes data cubes and their elements such as dimensions facts and measures and their representation in a relational setting it includes architecture related concepts and it includes the querying of multidimensional databases The book also covers advanced multidimensional concepts that are considered to be particularly important This coverage includes advanced dimension related concepts such as slowly changing dimensions degenerate and junk dimensions outriggers parent child hierarchies and unbalanced non covering and non strict hierarchies The book offers a principled overview of key implementation techniques that are particularly important to multidimensional databases including materialized views bitmap indices join indices and star join processing The book ends with a chapter that presents the literature on which the book is based and offers further readings for those readers who wish to engage in more in depth study of specific aspects of the book s subject Table of Contents Introduction Fundamental Concepts Advanced Concepts

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