
For Analysis Service cube designers this is the hands-on tutorial that will take your expertise to a whole new level. Written by a team of Microsoft SSAS experts, it digs deep to optimize your Business Intelligence capabilities. Overview Design SQL Server Analysis Services cubes, dimensions, and calculations from the experts! Add calculations to the cube, including implementing currency conversion and a date tool dimension Use security to control access to data in your cube In Detail Microsoft's SQL Server Analysis Services 2012 Multidimensional is an OLAP server that allows end users to analyze large amounts of business data quickly and easily, using a variety of tools including Excel, and to create their own reports without IT involvement. It is part of the Microsoft SQL Server suite of tools and has been used widely on Business Intelligence projects for the last 15 years; it is now the most commonly used OLAP server in the world. Expert Cube Development with SSAS Multidimensional Models will teach you tips and tricks for cube design from some of the most experienced Analysis Services experts in the world. Topics
covered include designing dimensions and cubes, implementing common MDX calculations, security and performance tuning. The book takes you through the whole lifecycle of Analysis Services cube development, from how data warehouse design affects your cube, through cube and dimension design to performance tuning and monitoring. Some previous experience of Analysis Services is assumed the focus is on best practices and design patterns. The book starts off with a discussion of data warehouse design and how it relates to Analysis Services. Following on from that, best practices relating to Analysis Services cube and dimension design are covered, including topics such as optimizing dimension attribute relationships and handling fact tables that contain data at different granularities. Next, the book looks at using MDX to implement common business calculations, and then moves on to more advanced problems like currency conversion calculations and creating a date tool dimensions. Finally security, performance tuning, automation of administrative tasks and monitoring usage and performance each get their own chapter and subject such as dynamic security roles, using Profiler to diagnose query performance problems and automating partition creation are also dealt with. What you will learn from this book Build a data mart suitable for use with Analysis Services Work with a thread pool effectively Create and configure an Analysis Services project in SQL Server Data Tools Use the Dimension Wizard and the Dimension Editor to build dimensions Create measure groups and associate them with dimensions Design cubes and dimensions and also implement common calculations in MDX Explore the security model, including dimension security and cell security, and implement dynamic security Tune queries to get the best possible performance Automate processing and partition creation Monitor your cube to see who's actually using it Approach 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.

**Expert Cube Development Multidimensional Models Related Books**

**Getting Started with SQL Server 2012 Cube Development**

Written specifically for SQL Server developers, this is a great primer on Analysis Services and cube development. With lots of practical exercises and real-world scenarios, you'll be up and running in no time. Overview Learn how to develop a complete business intelligence solution using SQL Server 2012 Understand the difference between Tabular in-memory models and OLAP cubes, and which to use where and when Add advanced features such as key performance indicators (KPIs) and calculated measures ... 

**Pro AngularJS (Expert's Voice in Web Development)**

AngularJS is the leading framework for building dynamic JavaScript applications that take advantage of the capabilities of modern browsers and devices. AngularJS, which is maintained by Google, brings the power of the Model-View-Controller (MVC) pattern to the client, providing the foundation for complex and rich web apps. It allows you to build applications that are smaller, faster, and with a lighter resource footprint than ever before. Best-selling author Adam Freeman explains how to get t... 

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Build your next game on a bigger scale with Pro HTML5 Games. This book teaches you the essentials of advanced game programming in HTML5. You'll learn techniques that you can transfer to any area of HTML5 game development to make your own professional HTML5 games! Led by an expert game programmer, you'll build two complete games in HTML5: a strategy puzzle game based on the Box2d physics engine and in the style of Angry Birds and a real-time strategy (RTS) game complete with units, buildings,...

**Foundations of Qt Development (Expert's Voice in Open Source)**

As the standard for KDE desktop environment, Trolltech's Qt is a necessary basis for all programmers who want to develop cross-platform applications on Windows, Mac OS, Linux, and FreeBSD. A multitude of popular applications have been written in Qt, including Adobe Photoshop Elements, Google Earth, Perforce Visual Client, and Skype. Foundations of Qt Development is based on Qt 4.2, and is aimed at C++ programmers who want to become proficient using this excellent toolkit to create graphical appl...
Pro Drupal 7 Development (Expert’s Voice in Open Source)

Pro Drupal 7 Development updates the most popular development reference for the release of Drupal 7. With several new and completely-rewritten essential APIs and improvements in Drupal 7, this book will not only teach developers how to write modules ranging from simple to complex, but also how Drupal itself works. Learn the Drupal APIs and major changes in Drupal 7. Learn how to write Drupal modules using the APIs. Learn proper development practices and how to become a contributing commun...

Beyond the Cube

Though human fascination with polyhedra can be traced back to the time of Pythagoras, only in the twentieth century have architects begun to fully appreciate and exploit their advantages as elements of structure and design. In Beyond the Cube, J. Francois Gabriel and a team of leading space frame experts from around the world examine the practical as well as theoretical aspects of space frames. They discuss some of the most memorable examples and practitioners of twentieth-century space frame de...

Focus On 3D Models (Game Development)

The book is a reference for developers using 3D models. Instead of simply showing a spec sheet, the book delves into the loading and rendering techniques of 3D models. The text is as API and platform independent as possible, so users of Direct3D, OpenGL, etc. will be able to interpret and use the information provided in the book.

Pro SharePoint 2013 Branding and Responsive Web Development (The Expert’s Voice)

Pro SharePoint 2013 Branding and Responsive Web Development is the definitive reference on the technologies, tools, and techniques needed for building responsive websites and applications with SharePoint 2013. The book focuses on solutions that provide the best browser experience for the myriad of devices, browsers, and screen orientations and resolutions. Web technology has changed considerably in the past few years. Microsoft has embraced the new generation of open standards represented b...

Pro HTML5 and CSS3 Design Patterns (Expert’s Voice in Web Development)

Pro HTML5 and CSS3 Design Patterns is a reference book and a cookbook on how to style web pages using CSS3 and HTML5. It contains 350 ready-to-use patterns (CSS3 and HTML5 code snippets) that you can copy and paste into your code. Each pattern can be combined with other patterns to create an unlimited number of solutions, and each pattern works reliably in all major browsers without the need for browser hacks. The book is completely up-to-date with code, best practices, and browser compatibil...

Cube Bead Stitching

This book includes a variety of projects, from small pieces that work up quickly to stunning necklaces. The chapters are divided by project type: bracelets, earrings, necklaces, rings, and decorative items. Add to your repertoire with stitches such as St. Petersburg chain or simply enjoy the novelty of weaving an uncommon shape into beautiful jewelry.

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