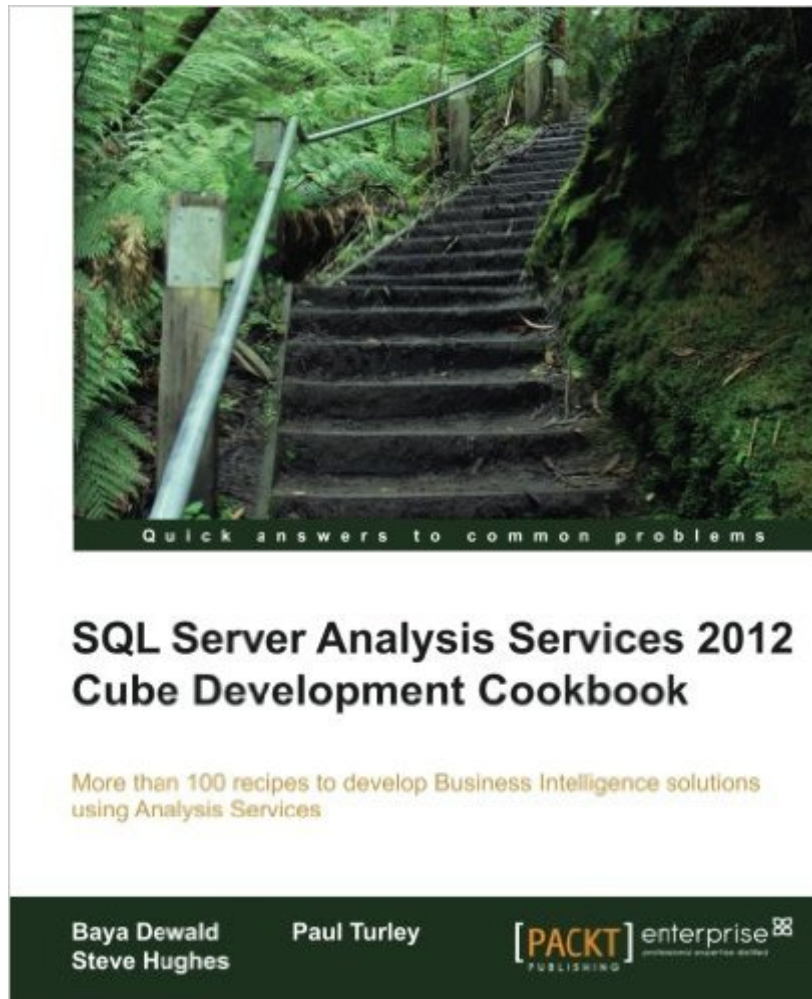# SQL Server Analysis Services 2012 Cube Development Cookbook

Synopsis

If you prefer the instructional approach to a lot of theory, this cookbook is for you. It takes you straight into building data cubes through hands-on recipes, helping you get to grips with SQL Server Analysis Services fast. Overview Develop Business Intelligence solutions using a multi-dimensional model as well as a tabular model Explore cube maintenance with partitions and design effective aggregations, as well as analyzing options for scaling analytics solutions Includes recipes for administering, securing, monitoring, and troubleshooting Analysis Services solutions In Detail Microsoft SQL Server is a relational database management system. As a database, it is a software product whose primary function is to store and retrieve data as requested by other software applications. SQL Server Analysis Services adds OLAP and data mining capabilities for SQL Server databases. OLAP (online analytical processing) is a technique for analyzing business data for effective business intelligence. This practical guide teaches you how to build business intelligence solutions using Microsoft's core product - SQL Server Analysis Services. The book covers the traditional multi-dimensional model which has been around for over a decade as well as the tabular model introduced with SQL Server 2012. Starting with comparing MultiDimensional and tabular models - discussing the values and limitations of each, you will then cover the essential techniques for building dimensions and cubes. Following on from this, you will be introduced to more advanced topics, such as designing partitions and aggregations, implementing security, and synchronizing databases for solutions serving many users. The book also covers administrative material, such as database backups, server configuration options, and monitoring and tuning performance. We also provide a primer on MultiDimensional eXpressions (MDX) as well as Data Analysis expressions (DAX) languages. This book provides you with data cube development techniques, and also the ongoing monitoring and tuning for Analysis Services. What you will learn from this book Design commonly encountered dimensions Extend your cubes to include advanced features such as actions, translations, and key performance indicators Maintain cubes by adding/removing data using partitions Administer Analysis Services instance Scale out your solution by synchronizing cube data Build tabular model solutions Approach 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. Who this book is written for 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.

Book Information

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Customer Reviews

The title, and the "Overview" section below it, misrepresent the book and limit its audience by portraying it as a collection of "recipes" for advanced SSAS users. In fact, the book offers a comprehensive tutorial of SSAS Multidimensional, and is suited to beginner and (especially) intermediate audiences. (Beginners can also consider the lighter "Getting started with SQL Server 2012 cube development" by Simon Lidberg, and everybody's learning of MDX should start with "Microsoft SQL Server 2008 MDX Step by Step" by Smith and Clay). Originally I gave the book four stars, but after re-reading it a few months later, I am easily giving it five, recognizing both its quality and its "unique selling proposition" as "the" intermediate SSAS-Multidimensional book on the market.

I got a golden opportunity to read through the book titled as â œSQL Server Analysis Services 2012 Cube Development Cookbookâ •. This is well-written book for business intelligence (BI) application developers and system administrators. Especially those who are conversant with the Microsoft product â œSQL Server Analysis Servicesâ • are to be benefited immensely through this easy-to-grasp book. This book gives step-by-step recipes for developing Analysis Services objects that can be composed to craft composite Analytics services that are more business-aware and attuned. Those passionate readers can quickly learn through a flurry of practical examples on deriving robust and resilient BI solutions for a variety of scenarios using the Analysis Services multidimensional model as well as the Tabular model. The book discusses methods beyond the

initial cube design, exploring cube maintenance with partitions and designing effective aggregations, as well as options for synchronizing analytics solutions.This book is stuffed with a number of practical techniques and tips and hence is a definite companion for developers, consultants and administrators to go deeper into the fast-enlarging BI space.

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