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Autore	Webb Chris
Titolo	Expert cube development with SSAS multidimensional models : expert tips and tricks for designing analysis services multidimensional models // Chris Webb, Alberto Ferrari, Marco Russo ; cover image by Faiz Fattohi
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Altri autori (Persone)	FerrariAlberto RussoMarco FattohiFaiz
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Nota di contenuto	Cover; Copyright; Credits; About the Authors; About the Reviewers; www.PacktPub.com; Table of Contents; Preface; Chapter 1: Designing the Data Warehouse for Analysis Services; The source database; The OLTP database; The data warehouse; The data mart; Data modeling for Analysis Services; Fact tables and dimension tables; Star schemas and snowflake schemas; Junk dimensions; Degenerate dimensions; Slowly Changing Dimensions; Bridge tables or factless fact tables; Snapshot and transaction fact tables; Updating fact and dimension tables; Natural and surrogate keys Unknown Members, key errors, and NULLabilityPhysical database design for Analysis Services; Multiple data sources; Data types and Analysis Services; SQL queries generated during cube processing; Dimension processing; Dimensions with joined tables; Reference dimensions; Fact dimensions; Distinct Count measures; Indexes in the data mart; Usage of schemas; Naming conventions; Views versus the Data Source View; Summary; Chapter 2: Building Basic Dimensions and Cubes; Multidimensional and Tabular models; Choosing an edition of

Analysis Services; Setting up a new Analysis Services project  
Creating data sources  
Creating Data Source Views; Designing simple dimensions; Using the New Dimension wizard; Using the Dimension Editor; Adding new attributes; Configuring a Time dimension; Creating user hierarchies; Configuring attribute relationships; Building a simple cube; Using the New Cube wizard; Project deployment; Database processing; Summary; Chapter 3: Designing More Complex Dimensions; Grouping and banding; Grouping; Banding; Modeling Slowly Changing Dimensions; Type I SCDs; Type II SCDs; Modeling attribute relationships on a Type II SCD; Handling member status; Type III SCDs  
Modeling junk dimensions  
Modeling ragged hierarchies; Modeling parent/child hierarchies; Ragged hierarchies with HideMemberIf; Summary; Chapter 4: Measures and Measure Groups; Measures and aggregation; Useful properties of measures; FormatString; DisplayFolders; Built-in measure aggregation types; Basic aggregation types; DistinctCount; None; Semi-additive aggregation types; ByAccount; Dimension calculations; Unary operators and weights; Custom Member Formulas; Non-aggregatable values; Measure groups; Creating multiple measure groups; Creating measure groups from dimension tables  
MDX formulas versus pre-calculating values  
Handling different dimensionality; Handling different granularities; Non-aggregatable measures - a different approach; Using linked dimensions and measure groups; Role-playing dimensions; Dimension/measure group relationships; Fact relationships; Referenced relationships; Data mining relationships; Summary; Chapter 5: Handling Transactional-level Data; Details about transactional data; Drillthrough; Actions; Drillthrough actions; Drillthrough columns order; Drillthrough and calculated members; Drillthrough modeling  
Drillthrough using a transaction detail dimension

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## Sommario/riassunto

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.

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