

KOENIG SOLUTIONS • COURSE OUTLINE

Data Analysis with Multidimensional Modelling

Learn to build multidimensional data models and cubes using SSAS, MDX and DAX for business intelligence.

3

MODULES

10

TOPICS

COURSE OVERVIEW

This course covers the foundations of Business Intelligence and data modelling, comparing SQL databases with cubes and connecting data sources through SSIS and SSAS. It then examines slowly changing dimensions, dimensions, measures and measure groups, along with MDX calculations applied to cubes. The final part addresses tabular data modelling with Analysis Services, including the use of DAX to create calculated columns and measures.

WHO THIS COURSE IS FOR

BI Developers

Data Analysts

Database Administrators

Data Warehouse Developers

Analysis Services Developers

LEARNING OBJECTIVES

- Explain the differences between SQL databases and multidimensional cubes
- Connect MS SQL databases with SSIS and SSAS cubes
- Create data sources and multidimensional databases
- Configure dimensions, measures and measure groups within cubes
- Apply MDX calculations to cubes
- Build a tabular data model using Analysis Services
- Implement calculated columns and measures using DAX

3 Modules, 10 Topics

01

Introduction to Business Intelligence and Data Modelling

TOPICS

- Overview of Business Intelligence and Data Models
- Comparatively Difference between MS SQL Database and Cubes
- Connection MS SQL Database with SSIS and SSAS Cubes
- Cubes Overview and Discussion
- Working Examples of Data Source and Multidimensional Database Creation and connection

02

SCD and Dimensions with Cube

TOPICS

Working with Dimensions · Working with Measures and Measures Group · MDX and calculation to Cubes

03

Tabular Data Model with Analysis Services

TOPICS

- Creating a Tabular Data Model
- Using DAX to Create Calculated Columns and Measures in a Tabular Data Model

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

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