

Database Design & OLAP Modelling Using Visio 2007 (Visio2007BI-1)

Objective

In this course, you will extend your knowledge into some of the more specialized and advanced capabilities of Visio 2007 by applying database design and OLAP modelling. Delegates should leave the course with a sound conceptual understanding of how to create databases and OLAP schemas, within a business context.

Duration

This is a 1 day course instructor-led course.

Who should attend?

This course is intended for all types of Visio users including Executives and management,

- Business Analysts, Planners and Information Workers, who are responsible for the creation & delivery of Visio diagrams. Before attending this course, delegates should have: -
- A basic understanding of basic relational databases & OLAP concepts, experience Visio 2007.

Some knowledge of the following is helpful, but not essential: -

- Microsoft Access or SQL Server 2005 Database Engine, Analysis Services & Data Mining.

Course Topics

Understanding Visio 2007 Fundamentals

Getting Started with Visio, Getting Started with Drawings, Working with Visio, Working with Shapes, Connecting Shapes, Working with Text, Enhancing Diagram Appearance with Formatting.

Modelling Relational Databases

Starting a New Database Model Diagram, Viewing Tables and Other Model Elements, Getting Feedback from the Output Window, Viewing Database Code, Setting Modelling Preferences.

Reverse Engineering an Existing Database

Setting Up a Data Source, Connecting to a Data Source, Extracting Database Objects, Selecting Tables and Views, Creating a Diagram, Finishing the Wizard, Updating a Database Model Diagram.

Modifying a Relational Database Model

Adding and Editing Tables and Columns, Adding Columns to a Table, Categorizing Subtypes of Tables, Specifying Data Types, Setting a Column's Data Type, Creating User-Defined Data Types, Specifying Relationships and Cardinality, Displaying Role Text on Relationships, Displaying Referential Integrity and Cardinality, Defining an Index.

Modelling OLAP Databases

Understanding basic OLAP modelling (star schema), dimensional modelling (star and snowflake), Measures (facts) and cube modelling.

Introduction to Visio 2007 Data Mining

Render decision trees, regression trees, cluster diagrams, and dependency nets, Save data mining models as Visio documents embedded into other Office documents, or saved as a Web page.