



Data Warehouse Overview & Concepts

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Associates

This workshop will introduce participants to the terms and techniques that are used in the design of a Data Mart or Data Warehouse, which will support complex management reporting requirements.

The purpose of this workshop is to take participants with little to no background in Data Warehousing to a functional understanding of the business objectives and technical challenges that are involved in designing and building a Data Warehouse.

Course content

- 1. Definition of a Data Warehouse and concepts**
 - Formal definition of a Data Warehouse
 - Transactional databases v Data Warehouse
 - Overview of some of the terms and concepts
- 2. Architecture of a Data Warehouse**
 - Three tier approach
 - Stage Layer
 - Enterprise layer
 - Presentation layer
 - Star schema
 - Snowflake schema
 - Design methodologies
 - Bottom-up
 - Top-down
 - Hybrid
- 3. Designing a Data Warehouse**
 - Capturing requirements
 - Identifying data sources
 - Dimensions
 - Slowly-changing dimensions
 - Surrogate keys
 - Facts
 - Aggregation
- 4. Documentation and standards**
 - Data Warehouse documentation
 - Naming Conventions

Who should attend ?

This course is intended for Project Managers, Business Analysts, Database Administrators and Developers who will be involved in the Design, Build and Maintenance of a Data Warehouse.

Prerequisites

A basic understanding of relational database concepts and Business Intelligence.

Duration

One day.

Type

Presentation workshop.

Related courses

None.

Contact

For further information contact:

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Performance is a journey ...where do you want to go?