

Dimensional Modeling (EN)

Group Training

Training code	CGADMODCE
Spoken Language	English
Language Materials	English
Dayparts	4
Price	€1.500,00 excl. VAT No extra costs.

What is Dimensional Modelling

Dimensional Modeling focuses on the principles and techniques essential for effective data design and analysis. Learn to create robust data models that facilitate business intelligence and decision-making processes, in particular through reporting and dashboarding. Covering key concepts like

- Facts
- Dimensions
- OLAP techniques
- Kimball approach
- Slowly Changing Dimensions

This course learns you to translate user requirements into actionable dimensional models, delve into technical implementation aspects, and master effective communication with business users.

Learn how to master Dimensional Modeling with our seasoned trainers. The expertise of our trainers adds a practical dimension to the theoretical concepts, providing real-world insights and best practices. Through hands-on exercises and case studies, participants acquire a deep understanding of the Kimball approach and enhance the ability to create data models tailored for Business Intelligence environments. This training is designed to bridge the gap between theoretical knowledge and practical implementation, ensuring participants are well-equipped to drive meaningful outcomes in their professional roles.

Who should attend Dimensional Modelling

The training Dimensional Modeling is suitable for:

- Data Analysts: Enhance data modeling skills for BI reporting.
- Report Developers: Provide the right data structure for creating efficient reporting.
- Business Intelligence Developers: Master the Kimball approach for effective reporting.
- Data Engineers: Develop expertise in designing scalable and optimized data models.
- Database Administrators: Implement Dimensional Models in databases.

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- Business Analysts: Understand how data modeling supports strategic decision-making.
- IT Managers: Acquire knowledge to guide data-related projects effectively.
- Software Architects: Incorporate Dimensional Modeling into system design.
- Project Managers: Understand how to translate user requirements into dimensional models.
- Anyone involved in data-driven decision-making processes.

Prerequisites

Participants should have a foundational understanding of data modeling principles.

Objectives

After this training, the participant has knowledge of the following topics:

- Master the fundamentals of Dimensional Modeling.
- Understand the importance of facts, dimensions, and hierarchies.
- Learn best practices for schema design in data platforms, e.g. a data warehouse.
- Gain hands-on experience through practical exercises.
- Apply Dimensional Modeling concepts to real-world scenarios.
- Enhance collaboration between business and IT stakeholders.
- Create scalable and adaptable data models.
- Improve decision-making through insightful data analysis.
- Implement best practices for data integrity and consistency.

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