



Trainings & Events

Data Management

Introduction:

This comprehensive data management course covers a wide range of topics, including data delivery tools, challenges, refinery, high-performance computing clusters, and governance. Participants will explore industry-leading tools like OvalEdge, TrueDat, and IBM Data Governance. They'll also delve into crucial areas such as data operations, automation, lineage, integrity, virtualization, and federation. Engaging class work, including a real-life case study, allows participants to exercise their data refinery skills and table normalization.

Through informative lectures and practical exercises, this course provides a solid foundation in modern data management. Graduates will possess the knowledge and expertise to effectively manage data in today's dynamic business landscape, ready to apply their skills to real-world scenarios.

MARBLE ARCHES Training & Events

Tel: +6017-3370965 • WhatsApp: +6017-3370965

Email: info@marblearches.com • Website: www.marblearches.com

(Company No : 202203261259 (NS0275491-D))



MARBLE ARCHES

Trainings & Events

Training Period: 2 - Days

Targeted Groups:

This course was designed to fit a wide range of participants include:

- ✓ Data Analysts and Data Scientists
- ✓ Data Managers and Data Stewards
- ✓ IT Professionals
- ✓ Business Intelligence Professionals
- ✓ Database Administrators
- ✓ Data Governance Professionals
- ✓ Business Analysts
- ✓ Project Managers
- ✓ Data Consultants
- ✓ Researchers and Academics

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Course Objectives:

This course was designed to let the participants able to:

- ✓ Explain the tools and techniques employed in modern data management at a comprehensive level.
- ✓ Apply acquired knowledge effectively in real-world scenarios to address data management challenges.
- ✓ Explain a range of concepts, including data delivery tools, data refinery, high-performance computing clusters, and data governance.
- ✓ Deploy prominent tools in the field, such as OvalEdge, TrueDat, IBM Data Governance, SnowFlake, Confluent/Kafka, and Plotly.

Course Content:

Unit1: Introduction to Data Management

- Definition of data management
- Importance of data management
- Key concepts and terminology
- Implementing a data management strategy
- Evaluating the effectiveness of a data management strategy

Unit 2: Data Modeling

- Data modeling concepts
- Data modeling techniques
- Data modeling tools
- Class-work-1 - Data Refinery Activity
- Part I: Identify the Entities and their attributes - Case Study.

Unit 3: Data Delivery

- Data Delivery – Overview
- Data delivery tools
- Challenges in Data Delivery

Unit4: Data Governance

- Data Governance Concepts
- Data Governance Tools
- Factors to consider when selecting a data governance tool.
- Challenges in Data Governance

Unit 5: Data Operation

- Principles of Data Operations
- Tools for Data Operations
- DataOps vs DevOps
- Class-work-2 - Data Refinery Activity
- Part II: Create tables their attributes and Build Relationships

Unit 6: Data Integrations

- Methods in Data Integrations
- Using Data Modelling for Data Virtualization Design
- Data Federation
- Class-work-3 - Normalization of Tuples