MERCURY

Data Management

14 – 18 December 2026
Barcelona (Spain)



Dubai - UAE: +971 4 450 5697
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Data Management

Ref: 121295_1026487 **Date:** 14 – 18 December 2026 **Location:** Barcelona (Spain) **Fees:** 6200 Euro

Introduction

Data Management is essential for organizations to efficiently collect, store, and utilize data for decision-making. This course provides a comprehensive overview of data governance, data quality, and data integration practices. Participants will explore strategies for managing large datasets, ensuring security, and maintaining compliance. The program emphasizes practical applications of data analytics to enhance business processes. By the end of the course, participants will handle data challenges and optimize organizational performance. It also highlights the latest trends and tools in data management for modern enterprises.

Targeted Groups

This Data Management course targets professionals seeking specialized knowledge and skills:

- Data analysts seeking to enhance data handling techniques.
- IT managers are responsible for database administration.
- Business professionals use data for strategic decisions.
- Project managers overseeing data-driven initiatives.
- Compliance officers ensure regulatory adherence.
- Consultants supporting data management solutions.

Course Objectives

Participants will achieve the following objectives by the Data Management course:

- Understand core principles of data governance and stewardship.
- Learn to implement effective data quality measures.
- Master techniques for data integration across systems.
- Develop skills to analyze and visualize large datasets.
- Apply data security and privacy best practices.
- Enhance decision-making using reliable data insights.
- Understand regulatory and compliance requirements in data handling.
- Gain familiarity with modern data management tools and technologies.

Targeted Competencies

Participants will gain the following competencies during the program:

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- Efficiently collect, store, and organize enterprise data.
- Apply data governance policies in real scenarios.
- Monitor and maintain high data quality standards.
- Integrate data from multiple sources effectively.
- Utilize analytical tools for business insights.
- Protect sensitive data and ensure compliance.
- Design scalable data management strategies.
- Interpret complex datasets to support decisions.

Studying Scenarios

In this training, participants will develop their skills through the analysis of the following scenarios:

- Evaluating data quality issues in enterprise systems.
- Integrating datasets from different departments.
- Designing secure data storage and access policies.
- Analyzing large datasets for business trends.
- Resolving inconsistencies in reporting systems.
- Ensuring compliance with data privacy regulations.
- Optimizing data workflow for improved performance.

Course Content

Unit 1: Introduction to Data Management

- Definition and scope of data management.
- Importance of data in decision-making.
- Overview of data governance frameworks.
- Key roles and responsibilities in data management.
- Data lifecycle and storage strategies.
- Trends in data management technologies.

Unit 2: Data Governance and Quality

- Principles of data governance.
- Data stewardship responsibilities.
- Methods to ensure data accuracy.
- Standards for data consistency.
- Processes for monitoring data quality.
- Tools for data validation and cleaning.
- Case studies of effective governance.

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Unit 3: Data Integration and Storage

- Approaches to integrate multiple data sources.
- Database types and selection criteria.
- Data warehousing concepts and architecture.
- Cloud storage solutions and benefits.
- ETL Extract, Transform, Load processes.
- Handling big data efficiently.
- Best practices for secure storage.

Unit 4: Data Analytics and Reporting

- Introduction to data analytics techniques.
- Tools for data visualization and reporting.
- Identifying patterns and trends in datasets.
- Predictive analytics applications.
- Using dashboards for business insights.
- Ensuring accuracy in reporting processes.
- Case studies in analytics-driven decisions.

Unit 5: Data Security and Compliance

- Data privacy regulations overview.
- Techniques for securing sensitive information.
- Risk assessment in data management.
- Implementing access control and encryption.
- Audit and compliance strategies.
- Maintaining regulatory documentation.
- Responding to data breaches effectively.

Final Insights & Key Takeaways

Effective data management empowers organizations to make informed decisions while maintaining data integrity. Participants will leave with practical skills to optimize data usage and governance.