

## Certified Data Management Professional (CDMP)

*Düsseldorf (Germany)*

*9 - 13 December 2024*

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## Certified Data Management Professional (CDMP)

Code: HR28 From: 9 - 13 December 2024 City: Düsseldorf (Germany) Fees: 4200 Pound

### Introduction

The Certified Data Management Professional CDMP certification is a globally recognized mark of excellence in data management. This certification signifies that individuals possess the essential knowledge and skills required to excel in various areas such as data governance, data modeling, database management, data integration, data quality, and master data management MDM. As data increasingly becomes a strategic asset for businesses, professionals with the CDMP certification are in high demand for their ability to enhance decision-making, ensure compliance, and drive data-driven innovation.

### Course Objectives

By the end of this course, participants will:

- Understand Data Management Fundamentals: Gain insight into the importance of data governance, data architecture, and data quality.
- Learn Data Governance Principles: Define roles and responsibilities within a data governance framework and understand relevant regulations and compliance.
- Develop Data Modeling Skills: Acquire expertise in data modeling, database design, and database management systems DBMS, along with practical SQL skills.
- Grasp Data Integration Processes: Understand ETL Extract, Transform, Load processes, including real-time data integration, and address data integration challenges.
- Assess Data Quality: Learn about data quality assessment, cleansing techniques, and how to apply master data management MDM principles effectively.

### Course Outlines

#### Day 1: Data Management

- Introduction to CDMP Certification
- The Importance of Data Management
- Data Management Frameworks and Best Practices
- Data Governance and Data Stewardship
- Data Architecture and Data Modeling
- Data Integration and ETL Processes
- Data Quality and Master Data Management
- Case Studies and Real-world Examples

#### Day 2: Data Governance and Compliance

- Principles of Data Governance

A graphic of a chessboard with several chess pieces (a king, a queen, a rook, and a pawn) on it. The board is white and black, and the pieces are gold and silver. The text 'UK Training PARTNER' is overlaid on the board.

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- Data Governance Frameworks e.g., DAMA
- Data Privacy Regulations e.g., GDPR, CCPA
- Role of Data Stewards and Data Owners
- Data Security and Access Control
- Data Compliance and Auditing
- Establishing Data Governance Policies
- Practical Exercises and Group Discussions

### Day 3: Data Modeling and Database Management

- Data Modeling Concepts ERD, Dimensional, etc.
- Normalization and Denormalization
- Best Practices in Database Design
- Data Modeling Tools
- Database Management Systems DBMS
- SQL Fundamentals
- Performance Optimization
- Hands-on Database Design Exercises

### Day 4: Data Integration and ETL

- Approaches to Data Integration
- ETL Processes and Tools
- Concepts of Data Warehousing
- Real-time Data Integration
- Data Transformation and Cleaning
- Challenges in Data Integration
- Strategies for Data Loading
- Practical ETL Exercises

### Day 5: Data Quality and Master Data Management MDM

- Assessment of Data Quality
- Data Profiling and Data Cleansing
- Data Quality Tools
- Introduction to Master Data Management MDM
- Principles of MDM
- MDM Architecture and Implementation
- Data Governance for MDM
- Case Studies and Best Practices

### Conclusion

Earning the CDMP certification opens up significant opportunities in the field of data management. Through practical training and in-depth knowledge gained during this course, participants will learn to apply best practices in data management and enhance their skills in areas such as data analytics, data risk management, and data lifecycle management. Join us in this course to achieve your data management certification and unlock new avenues in your professional journey.

A graphic of a chessboard with several chess pieces (a king, a queen, a rook, and a knight) on it, set against a background of concentric circles.

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