CDMP Prep Course for Data Management Professionals

29 August – 9 September 2027
Online



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Introduction

In today's data-driven world, data management solutions have become a cornerstone of successful business operations. The Certified Data Management Professional CDMP credential is a globally recognized certification that validates a professional's expertise in data management. As organizations increasingly rely on data for decision-making and innovation, mastering data management is essential to achieving long-term success.

This course is specifically designed to provide participants with the essential concepts, practical skills, and strategic insights necessary for mastering data management and passing the CDMP certification exam. Participants will explore critical domains, including data governance, data modeling, data integration, data quality, and Master Data Management MDM, all aligned with the DAMA-DMBOK framework. By the end of this course, you'll be prepared to take on real-world data challenges and excel as a Certified Data Management Professional.

Course Objectives

By the end of this 2-week program, participants will be able to:

- Understand the global significance of the CDMP certification and its value in enhancing data practices within organizations.
- Gain in-depth knowledge of data governance frameworks, compliance regulations, and risk management practices.
- Master data modeling and data integration techniques for designing scalable and robust data systems.
- Learn to uphold data quality standards and implement MDM for consistency across enterprise data assets.
- Develop hands-on, real-world data management problem-solving skills.
- Be fully prepared to pass the CDMP certification exam with comprehensive reviews and practice exercises across all relevant topics.



Course Outlines

Day 1: Introduction to CDMP and Data Management Overview

- Overview of the CDMP certification and DAMA International framework.
- Key domains of data management and their relevance to modern businesses.
- Introduction to the data management process and key roles in data management.

Day 2: Data Governance and Compliance Frameworks

- Principles of data governance and its impact on business operations.
- Key regulatory standards like GDPR and CCPA.
- Developing a governance strategy for compliance and risk management.

Day 3: Data Stewardship and Data Privacy

- The role of data stewards in ensuring accountability.
- Core privacy principles and user rights in data management.
- Implementing data privacy practices within enterprise systems.

Day 4: Data Modeling Fundamentals

- Understanding Entity-Relationship Diagrams ERDs and different levels of data models.
- The importance of conceptual, logical, and physical data models.
- Practical workshop: Creating ERDs for real-world scenarios.

Day 5: Advanced Data Modeling Techniques

- Dimensional modeling, star/snowflake schemas, and normalization vs. denormalization.
- Performance optimization techniques through indexing and query optimization.
- Advanced data modeling concepts for large-scale systems.

Day 6: Data Integration and ETL Processes

- Fundamentals of data integration and ETL processes.
- Challenges of handling multi-source data and integration solutions.
- Data cleansing and transformation techniques.

Day 7: Advanced Data Integration and Real-Time Data

- Real-time data integration strategies and synchronization.
- Introduction to data warehousing and its role in modern enterprises.
- Hands-on workshop: Designing a basic ETL pipeline.



Day 8: Data Quality Management

- Data quality dimensions and how to measure them effectively.
- Tools and frameworks to improve data quality across systems.
- Business impact of poor-quality data and real-world case studies.

Day 9: Master Data Management MDM Fundamentals

- Key MDM concepts, types, and architecture models.
- Ensuring a single source of truth across enterprise systems.
- Implementation of best practices for enterprise-scale MDM solutions.

Day 10: Review, Best Practices, and Exam Preparation

- Recap of core concepts across all CDMP domains.
- Common pitfalls to avoid in data management and CDMP certification exam preparation.
- Practice questions, exam tips, and final Q&A.

Why Attend this Course: Wins & Losses!

- Gain a comprehensive understanding of what is data management, its value, and how to implement best practices in data management solutions.
- Get prepared to achieve the prestigious Certified Data Management Professional CDMP certification, enhancing your professional qualifications.
- Master the CDMP process, including data governance, data modeling, and data integration techniques, all vital to modern enterprises.
- Acquire real-world, hands-on experience through workshops and practical exercises focused on data management scenarios.
- Position yourself as a leader in professional data management, equipped to address complex challenges and drive impactful data strategies.



Conclusion

The Certified Data Management Professional CDMP Certification Course provides an in-depth exploration of data management solutions and best practices. By the end of the program, participants will be fully prepared to take the CDMP certification exam and apply data management solutions within their organizations. With a globally recognized credential and a mastery of core data management principles such as data governance, data modeling, data quality, and Master Data Management MDM, graduates will be well-positioned as leaders in the fast-evolving field of data management.

This course is the perfect stepping stone to enhance your career and drive success in today's data-centric business world.

