MAWA EVENTS

Address: No. 857, Block A2. Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

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ADVANCED DATA MANAGEMENT

"Mastering Enterprise Data Governance, Quality, Architecture & Analytics for Strategic Advantage"

Schedule

Date	Venue	Fees (Face-to-Face)
08 – 12 Jun 2026	Dubai, UAE	USD 3495 per delegate

► **Available delivery methods:** Face-to-Face & Online Training

Introduction

As organizations generate and collect ever-growing volumes of data, effective data management becomes critical for strategic success. Poor data quality, siloed systems, and lack of governance can compromise decision-making, compliance, and digital transformation. This advanced course provides the frameworks, tools, and best practices needed to manage enterprise data as a strategic asset.

Participants will explore advanced concepts in data governance, metadata management, master data management (MDM), data quality frameworks, architecture standards, and analytics integration. The course combines technical depth with a business-aligned approach to ensure data adds measurable value.

Objectives

By the end of this course, participants will be able to:

- Design and implement enterprise-wide data governance frameworks
- Apply data quality rules, scorecards, and cleansing processes
- Build metadata and master data management (MDM) programs
- Align data architecture with business objectives and compliance needs
- Leverage data assets for advanced analytics, AI, and business intelligence

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Why Attend

- Gain strategic and technical insight into enterprise-grade data management
- Learn how to align IT, compliance, and business teams around shared data goals
- Access global best practices in governance, lineage, and architecture
- Reduce risk through better data quality, control, and documentation
- Support digital transformation and analytics initiatives with a solid data foundation

Target Audience

This program is designed for:

- Data governance and data management professionals
- Chief Data Officers, Data Architects, and IT Managers
- Business intelligence and analytics leaders
- Risk, compliance, and audit professionals handling data oversight
- Digital transformation and enterprise system project teams

Individual Benefits

Key competencies that will be developed include:

- Data stewardship, governance design, and stakeholder engagement
- Metadata tagging, business glossaries, and lineage documentation
- Master data model design and integration strategies
- Data quality measurement, remediation, and automation
- Support for AI/ML, BI dashboards, and data-as-a-service models

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved data quality and governance across business units
- Better compliance with regulations like GDPR, HIPAA, and BCBS 239
- Standardized definitions, ownership, and reporting across systems
- Reduced costs through clean, accurate, and deduplicated data
- Enhanced data-driven decision-making across operations and strategy

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings – Global trends, frameworks, and regulatory impacts
- Case Studies – Enterprise data management challenges and resolutions
- Workshops – Build data governance charters, quality dashboards, and metadata catalogs
- Peer Exchange – Lessons learned from digital transformation and BI deployments
- Tools – Governance templates, quality scorecards, MDM models, architecture diagrams

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Course Outline

Training Hours: 7:30 AM – 3:30 PM Daily Format: 3–4 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Data Governance Foundations

- Module 1: Enterprise Data Strategy and Governance Models (07:30 – 09:30) • Business alignment, governance frameworks (DAMA-DMBOK, DCAM)
- Module 2: Roles and Responsibilities in Data Governance (09:45 – 11:15) • Data owners, stewards, committees
- Module 3: Policies, Principles, and Charters (11:30 – 01:00) • Data ethics, usage rules, enforcement
- Module 4: Workshop – Create a Data Governance Charter (02:00 – 03:30) • Define roles, principles, and governance scope

Day 2: Metadata & Master Data Management (MDM)

- Module 5: Metadata Management Essentials (07:30 – 09:30) • Business glossaries, technical metadata, lineage
- Module 6: Cataloging Tools and Lineage Tracking (09:45 – 11:15) • Automation, APIs, metadata repositories
- Module 7: MDM Design and Implementation (11:30 – 01:00) • Entity modeling, match/merge logic, hierarchy management
- Module 8: Workshop – Build a Metadata & MDM Use Case (02:00 – 03:30) • Scenario planning and tool mock-up

Day 3: Data Quality Frameworks

- Module 9: Dimensions of Data Quality and Profiling (07:30 – 09:30) • Accuracy, completeness, consistency, timeliness
- Module 10: Data Cleansing and Standardization Techniques (09:45 – 11:15) • Rules engines, de-duplication, data profiling
- Module 11: Dashboards and Scorecards (11:30 – 01:00) • KPIs, remediation workflows, tracking
- Module 12: Workshop – Create a Data Quality Dashboard (02:00 – 03:30) • Select indicators and develop reporting visuals

Day 4: Data Architecture and Compliance

- Module 13: Enterprise Data Architecture Design (07:30 – 09:30) • Layered architecture, warehouses, lakes, lakeshores
- Module 14: Cloud vs On-Premise Data Platforms (09:45 – 11:15) • Security, scalability, integration
- Module 15: Regulatory Alignment and Risk Mitigation (11:30 – 01:00) • GDPR, CCPA, BCBS 239, internal audit
- Module 16: Workshop – Map an Enterprise Data Architecture (02:00 – 03:30) • Draw architecture aligned to business case

Day 5: Advanced Analytics and Data Monetization

- Module 17: Enabling AI/ML Through Data Readiness (07:30 – 09:30) • Data labeling, quality thresholds, data lakes
- Module 18: Data Democratization and Self-Service BI (09:45 – 11:15) • Governed access, data catalogs, BI tools
- Module 19: Building a Data Operating Model (11:30 – 01:00) • Process ownership, team structure, SLAs
- Module 20: Final Workshop – Design a Data Management Roadmap (02:00 – 03:30) • Strategic initiatives, quick wins, maturity stages

Certification

Participants will receive a Certificate of Completion in Advanced Data Management, confirming their ability to architect, implement, and govern enterprise data ecosystems that meet strategic, operational, and compliance needs.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation’s unique goals.

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