MERCURY

# Enterprise Asset & Database Management using IBM Maximo

29 March – 2 April 2027
Barcelona (Spain)



Dubai - UAE: +971 4 450 5697
Istanbul - Türkiye: +90 539 599 1206
Amman - Jordan: +962 79 712 3347

# Enterprise Asset & Database Management using IBM Maximo

**Ref:** 16217_1069426 **Date:** 29 March – 2 April 2027 **Location:** Barcelona (Spain) **Fees:** 6200 Euro

## Introduction:

In the modern industrial and service-driven economy, efficient enterprise asset management EAM is a critical driver of operational excellence. IBM Maximo, a leading solution in EAM, empowers organizations to optimize the performance, lifecycle, and cost of critical assets. This Enterprise Asset and Database Management using IBM Maximo course provides participants with training in asset data management, work order tracking, preventive maintenance, and system configuration using IBM Maximo.

Participants will explore best practices in asset lifecycle optimization, database structuring, and data-driven decision-making. The curriculum supports the development of technical and managerial skills required for maintaining asset reliability and system integrity. The Enterprise Asset and Database Management using IBM Maximo program provides hands-on sessions for practical understanding of database management within the Maximo ecosystem. Learners will implement and manage enterprise-level asset management systems effectively.

## Targeted Groups:

This Enterprise Asset and Database Management using IBM Maximo training targets professionals seeking specialized knowledge and skills:

- Asset management professionals in industrial sectors.
- Maintenance planners and schedulers.
- IT and database administrators manage EAM systems.
- Facility and operations managers.
- Project engineers oversee infrastructure assets.
- Utilities and energy sector supervisors.
- Public sector infrastructure asset teams.
- Maximo system users and superusers.
- EAM consultants and implementation specialists.
- Professionals transitioning to digital asset platforms.

## Targeted Competencies:

Participants will gain the following competencies during the Enterprise Asset and Database Management using IBM Maximo program:

Dubai - UAE: +971 4 450 5697
Istanbul - Türkiye: +90 539 599 1206
Amman - Jordan: +962 79 712 3347

- Efficient asset classification and lifecycle tracking.
- Proficiency in the IBM Maximo interface and modules.
- Configuration of preventive maintenance plans.
- Database handling and data import/export execution.
- Asset health monitoring and reliability analysis.
- Work order management and resource scheduling.
- Reporting and KPI development for asset performance.
- User access configuration and system permissions.
- Integration strategies for legacy data and systems.

## Course Objectives:

Participants will achieve the following objectives in the Enterprise Asset and Database Management using IBM Maximo course:

- Understand the core structure and components of IBM Maximo.
- Identify key asset types and configure asset hierarchies.
- Apply data governance and asset classification principles.
- Analyze asset performance using Maximo's reporting tools.
- Configure work orders and preventive maintenance schedules.
- Demonstrate how to manage the asset lifecycle through Maximo workflows.
- Implement data import/export processes for asset databases.
- Develop role-based access control and user permissions.
- Create meaningful KPIs and dashboards for asset insight.
- Assess asset health to support informed decision-making.
- Optimize maintenance costs through data analytics.
- Align EAM strategies with organizational goals.

## Course Content:

### Unit 1: Introduction to IBM Maximo & Enterprise Asset Management:

- Overview of EAM systems and digital transformation.
- Introduction to IBM Maximo architecture and modules.
- Role of Maximo in asset-intensive industries.
- Navigating the Maximo interface and work centers.
- Asset types and hierarchy configuration.
- System administration basics and security model.
- Customizing Maximo screens and settings.
- Integration with ERP and third-party systems.
- Real-world EAM use cases and ROI benefits.

Dubai - UAE: +971 4 450 5697
Istanbul - Türkiye: +90 539 599 1206
Amman - Jordan: +962 79 712 3347

## Unit 2: Asset and Database Structuring in IBM Maximo:

- Defining and managing assets and locations.
- Asset classification and specification templates.
- Establishing asset hierarchy and parent-child relationships.
- Database schema in Maximo and data structure best practices.
- Managing meters and measurement points.
- Importing legacy data into Maximo using MIF tools.
- Managing master data for assets, locations, and items.
- Building relationships between assets and systems.
- Creating and modifying database objects.

## Unit 3: Maintenance Planning and Work Order Management:

- Overview of the work order lifecycle in Maximo.
- Generating and assigning work orders.
- Configuring job plans and maintenance routes.
- Setting up preventive maintenance schedules.
- Using Maximo Scheduler and labor tracking.
- Integrating calendars and resource availability.
- Work type and priority classification.
- Linking work orders with asset history.
- Mobile work order management and execution.

## Unit 4: Reporting, Analysis, and Dashboard Creation:

- Using BIRT and Cognos tools in Maximo.
- Creating standard and ad hoc reports.
- Configuring key performance indicators KPIs.
- Building asset dashboards for real-time insights.
- Understanding failure codes and cause analysis.
- Trend monitoring and lifecycle cost analysis.
- Data filtering and report parameterization.
- Scheduling automated report distribution.
- Decision-making based on asset analytics.

Dubai - UAE: +971 4 450 5697
Istanbul - Türkiye: +90 539 599 1206
Amman - Jordan: +962 79 712 3347

## Unit 5: System Configuration, Integration, and Best Practices:

- User group configuration and access control setup.
- Managing system properties and automation scripts.
- Workflow design for approval and notification chains.
- Email integration and communication templates.
- Integrating Maximo with GIS and SCADA systems.
- Backup, recovery, and disaster recovery planning.
- Performance tuning and system optimization.
- Compliance with regulatory asset management standards.
- Developing a long-term Maximo adoption strategy.

## Final Insights & Key Takeaways:

Enterprise asset management is no longer optional for organizations seeking operational excellence. IBM Maximo offers a scalable and powerful platform to manage assets effectively across their lifecycle. This course equips professionals with both technical skills and strategic insight needed for enterprise-level deployment. Participants will walk away ready to implement asset and database strategies using Maximo for optimal business performance.