MAWA EVENTS

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

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MICROSOFT ENDPOINT CONFIGURATION MANAGER (MECM) ADMINISTRATION

"Centralized management, security, and deployment of enterprise endpoints with Microsoft MECM."

Schedule

Date	Venue	Fees
11 – 13 Oct 2026	Riyadh – KSA	USD 2495 per delegate

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

Introduction

Modern enterprises rely heavily on centralized endpoint management to ensure security, compliance, and operational efficiency across desktops, laptops, and servers. Microsoft Endpoint Configuration Manager (MECM) is a powerful platform that enables IT teams to manage devices, deploy applications, enforce policies, and maintain system health at scale. Effective administration of MECM is critical for maintaining secure and well-managed IT environments.

This 3-day intensive training provides participants with practical, hands-on knowledge of MECM administration, covering installation concepts, device and application management, software deployment, patch management, and reporting. The course equips IT professionals with the skills required to manage enterprise endpoints efficiently while aligning with Microsoft best practices.

Objectives

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

- Understand MECM architecture, components, and deployment models.
- Install, configure, and manage MECM environments.
- Manage devices, users, and collections effectively.
- Deploy applications, software updates, and operating systems.
- Monitor, secure, and troubleshoot MECM infrastructure.

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Why Attend

- Gain hands-on expertise in Microsoft MECM administration.
- Improve endpoint security, compliance, and manageability.
- Learn best practices for software deployment and patch management.
- Reduce operational issues through effective monitoring and reporting.
- Strengthen your professional IT administration capabilities.

Target Audience

This program is designed for:

- System administrators and IT support engineers.
- Endpoint and desktop management professionals.
- IT infrastructure and operations teams.
- Network and security administrators.
- Professionals responsible for device, application, and patch management.

Individual Benefits

Key competencies that will be developed include:

- Ability to administer and manage MECM environments.
- Skills in device, application, and update management.
- Knowledge of endpoint security and compliance controls.
- Enhanced troubleshooting and operational support capabilities.
- Confidence in managing large-scale enterprise endpoints.

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved endpoint security and policy compliance.
- Streamlined software deployment and update processes.
- Reduced system downtime and operational disruptions.
- Enhanced visibility into endpoint performance and health.
- Stronger IT governance and infrastructure reliability.

Instructional Methodology

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

- Strategy Briefings – MECM architecture, features, and administration concepts.
- Demonstrations – Live walkthroughs of MECM configuration and management tasks.
- Workshops – Hands-on exercises for deployments, collections, and updates.
- Peer Exchange – Group discussions on real-world endpoint management challenges.
- Tools – Configuration templates, deployment checklists, and best-practice guides.

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Course Outline

Detailed 3-Day 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: MECM Architecture and Core Administration

Module 1: Introduction to MECM (07:30 – 09:30)

- Overview of Microsoft Endpoint Configuration Manager
- MECM vs Intune and co-management concepts
- Use cases and enterprise benefits

Module 2: MECM Architecture and Components (09:45 – 11:15)

- Site roles and hierarchy
- Databases, management points, and distribution points

Module 3: Installation and Initial Configuration (01:00 – 02:30)

- Planning and prerequisites
- Boundary groups and site configuration

Module 4: Device and User Management (02:45 – 03:30)

- Discovery methods
- Collections and resource management

Day 2: Application, Software & Update Management

Module 5: Application Management (07:30 – 09:30)

- Application models and deployment types
- Detection methods and user experience

Module 6: Software Deployment (09:45 – 11:15)

- Packages vs applications
- Task sequences overview

Module 7: Patch and Update Management (01:00 – 02:30)

- Software Update Point (SUP) configuration
- Windows and third-party patching

Module 8: Workshop – Application & Update Deployment (02:45 – 03:30)

- Hands-on deployment exercises

Day 3: Monitoring, Security & Troubleshooting

Module 9: Operating System Deployment (07:30 – 09:30)

- OSD concepts and task sequences
- PXE and imaging strategies

Module 10: Compliance and Security Management (09:45 – 11:15)

- Configuration baselines
- Endpoint protection integration

Module 11: Monitoring, Reporting & Maintenance (01:00 – 02:30)

- Built-in reports and custom queries
- Maintenance and backup strategies

Module 12: Troubleshooting & Best Practices (02:45 – 03:30)

- Common issues and resolution techniques
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Performance optimization and governance

Certification

Participants will receive a Certificate of Completion in Microsoft Endpoint Configuration Manager (MECM) Administration, validating their expertise in managing, securing, and optimizing enterprise endpoint environments using Microsoft MECM.

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.

In-House / Customized Training Interested in running this course for your team? Please contact us:	TEL: **+601116373203**	EMAIL: **info@mawaevents.net**

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