

# Microsoft Endpoint Manager: Advanced Concepts and Cloud Services

## WorkshopPLUS

**Focus Area:** Change and Configuration Management

**Duration:** 3 days

**Difficulty:** 300- Advanced

## Overview

This Microsoft Endpoint Manager: Advanced Concepts and Cloud Services WorkshopPLUS provides students with an in-depth technical knowledge of the advanced features of Microsoft Endpoint Manager through hands-on labs and instructor-led training sessions. This WorkshopPLUS focuses on the following aspects of Microsoft Endpoint Manager:

- Cloud Management Gateway
- Co-Management
- Autopilot
- Compliance Settings
- Application Deployment
- Site and Client Monitoring
- Advanced Techniques and Site Recovery
- Database Replication Services (Optional)

## Objectives

After completing this training, students will be able to:

- Understand and deploy the Cloud Management Gateway to support Internet clients through Azure
- Enable Co-Management for Windows 10 devices to concurrently manage Windows 10 devices by using both Configuration Manager and Intune
- Use Autopilot to revolutionize the way new devices get deployed, reset and repurposed, with an experience that is zero-touch for IT
- Assess compliance settings and remediate computers that are noncompliant
- Deploy applications and troubleshoot application installation failures
- Monitor Configuration Manager sites and client health
- Troubleshoot server and client issues
- Back up and restore a Configuration Manager site
- Understand Database Replication Services (Optional)

## Key Takeaways

### Course Material

Each module contains scenarios that provide students with expertise, tools, and hands-on experience to help implement and troubleshoot the advanced features of Configuration Manager.

Note: This WorkshopPLUS does not provide an overview of all the Configuration Manager features. For an overview of all the features, we recommended you attend Microsoft WorkshopPLUS: Microsoft Endpoint Configuration Manager: Admin Concepts and Cloud Services.

### Hands-on Labs

- Most of the concepts covered above will be supported by hands-on labs and demos.
- Attendees have access to resources and labs for up to 6 months after workshop completion.

## Agenda

### Day 1

- Module 1: Cloud Management Gateway
- Module 2: Co-Management
- Module 3: Autopilot

### Day 2

- Module 4: Compliance Settings
- Module 5: Application Deployment

### Day 3

- Module 6: Site and Client Monitoring
- Module 7: Advanced Techniques and Site Recovery
- Module 8 Database Replication Services (Optional)

Plan for three full days. Early departure on any day is not recommended.

## Course Details

**Module 1: Microsoft Endpoint Manager: Cloud Management Gateway:** This module covers prerequisites, deployment and architecture of the Cloud Management Gateway. This feature helps managing clients over the Internet in a simple way by leveraging Azure Cloud Services.

**Module 2: Microsoft Endpoint Manager: Co-Management:** This module explains how to take advantage of Cloud functionality to co-manage Windows 10 devices using Intune, Azure and Configuration Manager. Provides a bridge from traditional to modern management and gives you a path to make the transition using a phased approach.

**Module 3: Microsoft Endpoint Manager: Autopilot:** Experience Autopilot to provision devices using our modern cloud-based solutions with minimal user interaction instead of maintaining custom images that require a lot of administrative effort.

**Module 4: Microsoft Endpoint Manager: Compliance Settings:** This module describes how to use Configuration Manager to assess compliance of settings and configurations. It also discusses how to monitor for drift and remediate non-compliant settings.

**Module 5: Microsoft Endpoint Manager: Application Deployment:** This module describes the application model and how an administrator can deploy software transitioning to a state-based user-targeted approach. It also discusses self-service through the new Software Center.

**Module 6: Microsoft Endpoint Manager: Site and Client Monitoring:** This module demonstrates how to monitor the health of Configuration Manager servers and clients.

**Module 7: Microsoft Endpoint Manager: Advanced Techniques and Site Recovery:** This module explains how to do basic troubleshooting on Configuration Manager server and client issues. It also covers how to back up and restore a site server in a recovery scenario.

**Module 8: Microsoft Endpoint Manager: Database Replication Services (Optional):** This module is for assisting in troubleshooting the Database Replication Service component for environments with multiple Primary sites and a CAS (Central Administration Site)

## Recommended Qualifications

- To ensure the high-quality knowledge transfer to attendees of this three-day WorkshopPLUS, the class size is limited to students who meet the following criteria:
- Intermediate to advanced knowledge of Windows operating systems.
- Intermediate to advanced knowledge of Microsoft Endpoint Manager or successful completion of Microsoft WorkshopPLUS: Microsoft Endpoint Configuration Manager Admin Concepts and Cloud Services.
- At least one year of experience in working with Microsoft Endpoint Configuration Manager.

## Hardware Requirements

- An Intel Core-i5-based PC
- USB port
- Microsoft/Windows Live ID to connect to the virtual environment
- 4 GB RAM
- 128 GB HDD
- Windows 7 SP1 or later
- Office 2013 Professional Plus
- Internet access with at least 1 Mbps bandwidth per student.

## For more information

Contact your Microsoft Account Representative for further details.