Microsoft Configuration Manager Administration Training Course

31 May – 4 June 2027
San Diego

AGILE LEADERS
Training Center

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Ref: 1699_227773 **Date:** 31 May – 4 June 2027 **Location:** San Diego **Fees:** 14000 Euro

Overview

Microsoft Configuration Manager Administration Training Course is a one-week professional course for endpoint administrators, infrastructure teams, service desk leads, IT operations managers, and desktop engineering professionals, who leave with a Configuration Manager Administration Pack. It connects Microsoft Configuration Manager administration, site architecture, boundaries, discovery, collections, clients, content, applications, software updates, compliance settings, operating system deployment, reporting, security, maintenance, and troubleshooting. Agile Leaders Training Center presents the course on operating enterprise endpoint management with Configuration Manager current branch.

Who Should Attend

- Teams responsible for enterprise endpoint administration
- Functions responsible for applications, updates, and compliance
- Administrators responsible for site systems, clients, and content
- Teams responsible for operating system deployment and device readiness
- Leaders responsible for reporting, security, maintenance, and support

The course assumes participants administer Windows endpoints, infrastructure, or IT services and leaves out basic desktop use and certification exam preparation.

Departments and Industries

The course supports endpoint operations in organizations that manage Windows devices at scale.

- Endpoint and desktop engineering teams
- Infrastructure and IT operations departments
- Service desk and workplace technology functions
- Banking and insurance technology operations
- Healthcare endpoint and information systems teams
- Industrial and education device-management functions

Learning Objectives

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

- Build a Configuration Manager site and administration model
- Apply discovery, collection, boundary, and client controls
- Deploy content, applications, and software updates
- Evaluate compliance and operating system deployment evidence
- Use reports, monitoring, and logs to diagnose issues
- Apply maintenance, security, and recovery controls

Course Agenda

Day 1: Architecture, Roles, and Discovery

- Configuration Manager Current Branch Site Architecture
- Site System Role and Dependency Map
- Role-Based Administration and Security Scope Matrix
- Boundary and Boundary Group Design
- Discovery Method and Resource Data Plan

Day 2: Collections, Clients, and Content

- Device and User Collection Rule Design
- Client Deployment and Health Checklist
- Client Settings and Policy Precedence Map
- Distribution Point and Content Library Model
- Content Distribution and Validation Dashboard

Day 3: Applications, Updates, and Compliance

- Application Model and Deployment Type Design
- Application Requirement and Detection Method Matrix
- Software Update Point and Synchronization Plan
- Software Update Group and Deployment Rule Design
- Compliance Settings Baseline and Remediation Plan

Day 4: Operating Systems, Reporting, and Maintenance

- Windows ADK and Operating System Deployment Map
- Boot Image, Driver, and Task Sequence Plan
- Deployment Monitoring and Status Message Dashboard
- SQL Server Reporting Services Report Map
- Site Maintenance, Backup, and Recovery Checklist

Day 5: Configuration Manager Administration Practice

- Site, Boundary, and Discovery Exercise
- Collection, Client, and Content Exercise
- Application, Update, and Compliance Exercise
- Operating System, Reporting, and Troubleshooting Exercise
- Configuration Manager Administration Pack Capstone Exercise

Practical Exercises

The course uses suggested activities to practice endpoint-management decisions in a controlled environment.

- Suggested activity: map site roles, boundaries, discovery methods, security scopes, and dependencies.
- Suggested activity: design collections, client settings, content distribution, and health controls.
- Suggested activity: build application, update, and compliance deployment decisions.
- Suggested activity: diagnose deployment status, log evidence, maintenance gaps, and recovery requirements.

FAQs

Who suits Microsoft Configuration Manager administration training and what does it assume?

Microsoft Configuration Manager administration training suits professionals managing Windows endpoints, infrastructure, services, or workplace technology. It assumes experience with enterprise IT operations and does not teach basic desktop use.

How does Microsoft Configuration Manager administration differ from Microsoft applications training?

Microsoft Configuration Manager administration focuses on enterprise endpoint infrastructure, clients, content, applications, updates, compliance, operating systems, reporting, and maintenance. Microsoft applications training focuses on using workplace applications.

What does a Configuration Manager boundary group control?

A Configuration Manager boundary group helps clients locate site systems and content sources based on defined network locations. Its design affects assignment, fallback, content access, and service behavior.

How does Configuration Manager support software update management?

Configuration Manager uses software update points, synchronization settings, groups, deployment packages, automatic deployment rules, maintenance windows, client policies, compliance assessment, and monitoring evidence.

Which evidence supports Configuration Manager troubleshooting?

Useful evidence includes client and server logs, status messages, deployment states, component status, content validation, policy results, boundary relationships, collection membership, update compliance, and reporting data.

Conclusion

Participants take a Configuration Manager Administration Pack back to work. It connects architecture, roles, boundaries, discovery, collections, clients, content, applications, updates, compliance, operating systems, reports, maintenance, and troubleshooting. It changes disconnected endpoint tasks into traceable administration controls for deployment, security, service quality, and recovery.