

# Mastering SCCM CB & Modern Windows 10 management with Intune and Azure

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Dive deep into System Center Configuration Manager CB & Windows 10 and learn how to integrate SCCM with Microsoft Azure, using services like Cloud Distribution Points, Cloud Management Gateway, Windows Autopilot and co-management with Microsoft Intune.

This course is delivered in English

This 5 day training is no beginner's class.

## Mastering SCCM CB & Modern Windows 10 management with Intune and Azure

Being able to design, deploy, manage and troubleshoot Configuration Manager, Windows 10 and Azure related services in your environment. In the class there will be a high focus on automation and understanding how you can optimize your Windows 10 management using Configuration Manager & Microsoft Azure. The class is always based on the latest available public builds.

### Duration:

5 days

### Teacher:

Kent Agerlund, Enterprise Mobility MVP & Microsoft Regional Director

### Language:

English

### Material:

Student Lab Manual, Slide deck, and lab files

### Prerequisites and abstract:

Basic understanding of Active Directory, WSUS and SQL. Basic knowledge and working experience with Configuration Manager 2012/Current Branch. We will take you through the advanced design, installation, configuration and troubleshooting of the main features in Configuration Manager, integration with Azure services, Autopilot, Intune and Windows 10. After class, you will have a solid understanding of the design options, flow of the main features and troubleshooting techniques. Likewise, you will have a solid understanding on how Configuration Manager can be used to secure Windows 10 deployments. The class will also focus on Microsoft Azure services that support client management, like Cloud Distribution Points, Cloud Management Gateway, Windows Upgrade Analytics, Windows Autopilot and co-management with Microsoft Intune.

- Fault tolerance and High availability
- Installing and troubleshooting clients
- Client Health and insight Analytics
- Inventory Management
- Application deployment
- Software updates

- Compliance Settings
- Operating System Deployment
- Microsoft Azure integration with Cloud Management Gateway, Cloud Distribution Points and Azure Active Directory
- Windows 10 modern management using Microsoft Intune and co-management
- Windows 10 security options
- Troubleshooting tools

The course will cover the following modules:

**Day 1:**

Designing Configuration Manager hierarchies

- Recovery options, restore primary sites
- Design fault tolerance and high availability environments
- Working with HTTP and HTTPS site systems
- Working with DMZ/multi domain and workgroup environments
- Configure and optimize SQL

Configuration manager client management

- Installing, configuring and troubleshooting clients

**Day 2:**

Integrate Azure services

- Configure Azure subscriptions and Azure Active Directory to support device management
- Configure OMS and Windows Upgrade Analytics
- Configure Cloud Distribution Point
- Configure Cloud Management Gateway

Content distribution

- Working with content distribution in distributed environments
  - Peer to Peer technologies
  - Integrating the Cloud Distribution Point

Deploying Windows 10 with operating system deployment

- Upgrading to Windows 10
- Creating and maintaining reference images
- Customizing the boot images
- Integrating custom frontends
- Deploying images
- Develop and implement Windows 10 Autopilot strategy

### **Day 3:**

#### Managing Windows 10 using co-management

- Develop a Windows 10 management strategy
- Understanding the Windows 10 MDM management options
- Manage modern Windows 10 devices
- Configure Intune to support Windows 10
- Configure and implement co-management

#### Managing Windows 10 security

- Understand and implement the Windows 10 security options

#### Inventory management

- Deep dive into the inventory process

### **Day 4:**

#### Working with Visualizations

- Working with SQL reporting services
- Integrating Microsoft Power BI

#### Application deployment

- Working with the application model
- Troubleshooting application deployments
- Working with Scripts

### **Day 5:**

#### Software Updates

- Creating and designing the software update infrastructure
- Deploying and troubleshooting Microsoft software updates
- Deploying 3rd. party updates

- Working with Windows Updates For Business

#### Windows Servicing

- Develop a Windows Servicing model

#### Compliance Settings

- Creating and implementing configuration items and baselines
- Remediate non-compliant computers and users
- Troubleshooting compliance settings

#### Troubleshooting tools and techniques

- Understanding log files
- Status Filter Rules
- Introducing WMI
- Using SQL Profiler