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## Mastering System Center 2012 Configuration Manager with PowerShell

**Varighed: 5 Days    Kursus Kode: MSCMPS12**

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### Beskrivelse:

This is the ultimate System Center Configuration Manager R2 class for those students who wants to know more about Configuration Manager 2012 R2 and PowerShell. . We will take you through the advanced design, installation, configuration and troubleshooting of the main features in Configuration Manager 2012 based on Windows 2012 R2, Windows 8.1 After class, you will have a solid understanding off the design options, flow of the main features and troubleshooting techniques. You will also learn how to use Windows PowerShell to deploy and manage your Configuration Manager 2012 in your environment. The class will teach you all the basic PowerShell needed to get started managing Configuration Manager 2012 with PowerShell.

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### Forudsætninger:

Basic understanding of Active Directory, WSUS, Configuration Manager 2012 and SQL. We do expect that you already have participated in the Mastering Configuration Manager 2012 class or have equal knowledge. This class will teach how to unleash all the magic of PowerShell and learn how you can automate features and daily tasks. After the training you will have a solid understanding off where and how PowerShell can assist you with these features:

- Fault tolerance and High availability
  - Troubleshooting tools
  - Installing and troubleshooting client deployment
  - Inventory Management
  - Reporting & Queries
  - Application deployment
  - Software updates
  - Endpoint Protection
  - Compliance management
  - Operating System Deployment
  - Introducing PowerShell & WMI
  - Using the Configuration Manager built-in cmdlets
  - Managing Configuration Manager sites and site servers
  - Managing site system roles
  - Configuring and managing clients
  - Managing features like applications and software updates
  - Creating custom scripts
  - Working with the SDK
  - Remote Management
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## Indhold:

### Day 1

- Designing CM2012 hierarchies
- Recovery options, restore primary sites
- Design fault tolerance and high availability environments
- Working with HTTP and HTTPS site systems
- Working with DMZ and workgroup environments
- Working with multi domain/forest environment
- Configure and optimize SQL
- Troubleshooting tools and techniques
- Understanding log files
- Status Filter Rules
- Introducing WMI
- Using SQL Profiler
- ConfigMgr clients
- Installing, configuring and troubleshooting clients
- Installing HTTP and HTTPS clients

### Day 2

- Working with reports
- Working with SQL reporting services
- Creating custom SQL reports
- Inventory management
- Deep dive into the inventory process
- Extending hardware inventory
- Troubleshooting inventory
- Content Management
- Understanding the content flow
- Working with remote distribution points
- Working with cloud based distribution points
- Application deployment
- Working with the application model
- Troubleshooting application deployments
- Creating custom application reports

### Day 3

- Software Updates
- Deploying and troubleshooting Microsoft software updates
- Monitoring the software update deployment process
- Deploying 3rd. party updates
- Creating software update reports
- Deploying Windows 8.1 with operating system deployment
- Customizing the boot images
- Integrating custom frontends
- Troubleshooting operating system deployment
- Settings Management
- Creating and implementing configuration items and baselines
- Remediate non-compliant computers and users

### Day 4

- Configuration Manager ; PowerShell
- Working with the native Configuration Manager cmdlets
- WMI VS. cmdlets

### Day 5

- Configuration Manager SDK
- What is the SDK and why do we need it
- Develop custom scripts
- Creating end-to-end automated processes
- Import and Export bulk information
- Creating custom PowerShell reports
- Status Message Rules
- Remote Management
- Different options for Remote Management
- Managing Site system roles
- Managing clients

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## Flere Informationer:

For yderligere informationer eller booking af kursus, kontakt os på tlf.nr.: 44 88 18 00

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