

► Systèmes et Réseaux
► Formation en Intra ou Inter-entreprises



**Automating Windows Server
2008 Administration with
Windows PowerShell**

3
jours
[21 heures]
MS6434EN



plan de cours disponible à l'adresse <http://www.adhara.fr/ms6434en.aspx>

OBJECTIF

This three-day instructor-led course provides students with the knowledge and skills to utilize Windows PowerShell for administering and automating administration of Windows Server 2008. The course focuses on cmdlets, script structure and flow control, language syntax, and implementation details of scripting administrative tasks using COM, WMI, and .NET foundations.

PUBLIC

This course is intended for Windows administrators interested in automating Windows Server 2008 administration tasks, as well as those people looking for a full-featured interactive command-line environment for Windows operating systems. Windows end users or developers who need to understand what is involved in Windows administration or command-line environments may also find this course helpful.

REMARQUES

Le support de cours est en anglais.

PROGRAMME

1 Introduction to Microsoft Windows PowerShell

- > Introduction to Windows PowerShell
- > Installing Windows PowerShell in Windows Server 2008

2 Overview of Microsoft Windows PowerShell

- > Overview of Objects
- > Working with Cmdlets
- > Tab Expansion, Aliases, and History
- > Using Variables and Types

3 Building Pipelines for Assembly-Line Style Processing

- > Using Pipelines
- > Using Arrays
- > Filtering and Iterating Through the Pipeline

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- > Reordering Objects in a Pipeline

4 Managing Processes and Formatting Cmdlet Output

- > Managing Windows Processes with Microsoft Windows PowerShell
- > Formatting Cmdlet Output

5 Introduction to Scripting with Microsoft Windows PowerShell

- > Writing Windows PowerShell Scripts
- > Script Parameters
- > Security in Windows PowerShell
- > Customizing Windows PowerShell with Profiles

6 Implementing Flow Control and Functions

- > Controlling the Flow of Execution Within Scripts
- > Iteration Flow Control
- > Developing and Using Functions

7 Working with Files, the Registry, and Certificate Stores

- > Using Data Stores
- > Using Providers
- > Filtering and Selecting with Regular Expressions
- > Implementing Event Log Management
- > Persisting Objects in Files

8 Managing the Windows Operating System Using Microsoft Windows PowerShell and WMI

- > Introduction to WMI and WMI Objects
- > Managing Disks and Disk Volumes Using Windows PowerShell with WMI
- > Managing Shadow Copies Using Windows PowerShell with WMI
- > Managing Shared Folders with Windows PowerShell
- > Managing Terminal Services with WMI

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- > Managing IIS 7.0 with WMI

9 Administering Active Directory with Microsoft Windows PowerShell

- > Administering Domains and Forests Using .NET Objects
- > Managing User Accounts and Groups Using ADSI
- > Managing Relationships Between Users and Groups
- > Web Administration Using IIS 7.0

10 Administering Group Policy in Microsoft Windows PowerShell Using COM

- > Managing GPOs Using the GPMC COM Interface
- > Managing Group Policy Objects
- > Reporting Group Policy