



*Training Course:
Automating Administration with PowerShell*

*18 - 22 July 2027
Cairo (Egypt)*

Training Course: Automating Administration with PowerShell

Training Course code: SC235259 From: 18 - 22 July 2027 Venue: Cairo (Egypt) - Training Course Fees: 4100 € Euro

Introduction:

Welcome to this training session on **PowerShell and Automation in Administration**.

In this session, we will explore the fundamentals of PowerShell and its role as a powerful tool for streamlining administrative tasks. We will also highlight the importance of automation in improving efficiency, accuracy, and productivity in modern IT environments.

Objectives:

- Understand the fundamentals of PowerShell
- Learn to automate common administrative tasks
- Gain proficiency in scripting and automation techniques
- Apply PowerShell for system management and configuration

Target Audience:

- System Administrators
- IT Professionals
- Network Administrators
- Anyone interested in automating administrative tasks

Outlines:

Day 1:

PowerShell Fundamentals

- Introduction to PowerShell
- PowerShell syntax and basic commands
- Working with variables and data types
- Control flow and logic in PowerShell

- Introduction to functions and modules

Day 2:

Scripting and Automation Basics

- Writing basic scripts
- Error handling and debugging
- Introduction to PowerShell remoting
- Automating file and folder operations
- Managing Active Directory with PowerShell

Day 3:

Advanced Scripting Techniques

- Working with PowerShell providers
- Advanced functions and parameters
- PowerShell workflows
- Scheduled tasks and job automation
- Introduction to Desired State Configuration DSC

Day 4:

Managing Systems with PowerShell

- Working with Windows Management Instrumentation WMI
- PowerShell and Windows Registry
- Automating software installations
- Monitoring and logging with PowerShell
- Introduction to PowerShell Gallery

Day 5:

Real-world Automation Scenarios

- Case studies and real-world scenarios
- Best practices for PowerShell automation
- Q&A and troubleshooting session
- Final project: Design and implement a comprehensive automation script
- Peer review and feedback
- Closing remarks and certification distribution

Registration form on the Training Course: Automating Administration with PowerShell

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