



*Training Course:  
Automating Administration with PowerShell*

*30 September - 4 October 2024  
Kigali (Rwanda)*

## Training Course: Automating Administration with PowerShell

Training Course code: SC235259 From: 30 September - 4 October 2024 Venue: Kigali (Rwanda) - Training Course Fees: 6545 € Euro

### Introduction:

- Welcome and Overview
- Brief introduction to PowerShell
- Importance of automation in administration

### 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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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

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### Company Information

Company Name: .....  
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### Person Responsible for Training and Development

Full Name (Mr / Ms / Dr / Eng): .....  
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### Payment Method

- Please find enclosed a cheque made payable to Global Horizon
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### Easy Ways To Register

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