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Automating Administration With Windows Powershell V3.0 M10961

This course provides students with the fundamental knowledge and skills to use Windows PowerShell for administering and automating administration of Windows servers. This course provides students the skills to identify and build the command they require to perform a specific task. In addition, students learn how to build scripts to accomplish advanced tasks such as automating repetitive tasks and generating reports. This course provides prerequisite skills supporting a broad range of Microsoft products, including Windows Server, Windows Client, Microsoft Exchange Server, Microsoft SharePoint Server, Microsoft SQL Server, System Center, and more. In keeping with that goal, this course will not focus on any one of those products, although Windows Server, which is the common platform for all of those

Key features

- ✓ Live Online Training with a real person - not dull e-learning
- ✓ Fully certified trainer
- ✓ Get key skills and practical knowledge
- ✓ This course is available for groups and 1-2-1 live online
- ✓ Course materials included
- ✓ Recognised course certificate

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products, will serve as the example for the techniques this course teaches.

What will I learn?

LESSON 1

Getting started with Windows PowerShell:

Overview and background of Windows PowerShell -
Understanding command syntax - Finding commands

LESSON 2

Cmdlets for administration: Active Directory administration cmdlets - Network configuration cmdlets - Other server administration cmdlets

LESSON 3

Working with the Windows PowerShell pipeline:

Understanding the pipeline - Selecting, sorting, and measuring objects - Filtering objects out of the pipeline - Enumerating objects in the pipeline - Sending pipeline data as output

LESSON 4

Understanding how the pipeline works: Passing the pipeline data - Advanced considerations for pipeline data

LESSON 5

Using PSProviders and PSDrives: Using PSProviders - Using PSDrives

LESSON 6

Querying system information by using WMI and CIM: Understanding WMI and CIM - Querying data by using WMI and CIM - Making changes with WMI/CIM

LESSON 7

Working with variables, arrays, and hash tables:

Using variables - Manipulating variables - Manipulating arrays and hash tables.

LESSON 8

Basic scripting: Introduction to scripting - Scripting constructs - Importing data from files

LESSON 9

Advanced scripting: Accepting user input - Overview of script documentation - Troubleshooting and error handling - Functions and modules

LESSON 10

Administering Remote Computers: Using basic Windows PowerShell remoting - Using advanced Windows PowerShell remoting techniques -Using PSSessions

LESSON 11

Using background jobs and scheduled jobs: Using background jobs - Using scheduled jobs

LESSON 12

Using advanced Windows PowerShell techniques: Creating profile scripts -Using advanced techniques