

# PowerShell Scripting

Windows PowerShell is a Microsoft framework for automating tasks using a command-line shell and an associated scripting language. This powerful tool essentially replaced Command Prompt as the default way to automate batch processes and create customized system management tools. Working with these scripts effectively can be a difficult task, PowerShell scripting framework contains script logging methodologies, answer file interactions, and string encryption and decryption strategies. This comprehensive course starts from scratch and covers advanced-level topics to make you a PowerShell expert.

## You Must Know!

### Duration:

40 Hours

### Who should attend?

Web Developers, Software Developers, Programmers, Anyone interested in PowerShell

### Main Topics:

- PowerShell IDEs
- Profiles
- Commands
- Scripts
- PowerShell Providers

## Course modules

### Module 1 – Introduction

- Overview & History
- PowerShell vs CMD
- .Net Integration
- Backwards Compatibility

### Module 2 – Getting Started

- Administrative Privileges
- PowerShell IDEs
- PowerShell Profiles

### Module 3 – Commands

- What are Cmdlets?
- Get-Command
- Using Format
- Get-Member
- Objects and Classes
- Get-ChildItem
- Understanding the Pipeline

### Module 4 – Scripts

- Creating your First Script
- Variables
- Constants
- Comparison Operators
- If Statements
- Looping
- Regular Expressions

## Module 5 – PowerShell Providers

- About Providers
- The File System Provider
- The Enjoinment Provider
- The Registry Provider

## Module 6 – Working with Files and Folders

- Reading and Writing
- Output to HTML, XML or CSV

## Module 7 – System Administration

- Working with Processes
- PowerShell and WMI

## Module 8 – PowerShell with Azure

- Azure Cloud Shell
- Signing In and Find Commands



המרכז הבינלאומי  
ללימודי הייטק וחדשנות

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מתקדמים  
לקריירה בהייטק

תל אביב  
המרץ 2

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