

PowerShell Fundamentals (1 Day)

Duration: 08 Hours (1 Day)

Overview

The "PowerShell Fundamentals (1 Day)" course provides a comprehensive introduction to PowerShell, offering essential knowledge for IT professionals. In Module 1: Getting Started with PowerShell, participants will learn about the evolution of Windows PowerShell and PowerShell Core, understand the PowerShell command syntax, and discover how to locate and execute commands efficiently. Module 2: Cmdlets for Administration delves into practical tools for managing systems, covering cmdlets for Active Directory, Network configuration, and other server administration tasks. Finally, Module 3: Basic Scripting introduces scripting principles in PowerShell, teaching scripting constructs that are crucial for automating tasks. This course is ideal for those seeking an intro to PowerShell and aims to impart the PowerShell fundamentals necessary to harness the power of this scripting language for automation and configuration management. By the end of the course, learners will be well-equipped with the foundational skills to optimize their workflow and administrative tasks using PowerShell.

Audience Profile

The PowerShell Fundamentals course is designed for IT professionals seeking to enhance their scripting and automation skills.

- Target audience for the PowerShell Fundamentals course includes:
- System Administrators
- Network Administrators
- Database Administrators
- IT Support Technicians
- Security Analysts
- DevOps Engineers
- Cloud Infrastructure Engineers
- Windows Server Administrators
- Helpdesk Technicians aiming for a higher technical role
- IT Professionals looking to improve their automation capabilities
- Technical Consultants who assist clients with Windows systems
- Any IT personnel involved in the management and configuration of Windows-based environments

Course Syllabus

Course Contents –

Module 1: Getting started with PowerShell

- Module Overview
- Lesson 1: Overview and background of Windows PowerShell and PowerShell core
- Lesson 2: Understanding command syntax
- Lesson 3: Finding and running commands
- Module Review and Takeaways

Module 2: Cmdlets for administration

- Module Overview
- Lesson 1: Active Directory administration cmdlets
- Lesson 2: Network configuration cmdlets
- Lesson 3: Other server administration cmdlets
- Module Review and Takeaways

Module 3: Basic Scripting

- Lesson 1: Introduction to scripting
- Lesson 2: Scripting constructs
- Module Review and Takeaways