

KOENIG SOLUTIONS · COURSE OUTLINE

PowerShell Fundamentals (1 Day)

Learn to use PowerShell command syntax, administration cmdlets and basic scripting constructs to automate Windows tasks.

1 Day

8 HOURS A DAY

3

MODULES

8

TOPICS

COURSE 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.

WHO THIS COURSE IS FOR

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

What You Will Learn

- Describe the evolution of Windows PowerShell and PowerShell Core
- Explain PowerShell command syntax
- Identify and run commands using PowerShell
- Apply cmdlets for Active Directory administration
- Apply cmdlets for network configuration
- Apply cmdlets for other server administration tasks
- Explain the principles of scripting in PowerShell
- Describe scripting constructs used to automate tasks

COURSE SYLLABUS

3 Modules, 8 Topics

01

Getting Started with PowerShell

TOPICS

- **Lesson 1:** Overview and Background of Windows PowerShell and PowerShell Core
- **Lesson 2:** Understanding Command Syntax
- **Lesson 3:** Finding and Running Commands

02

Cmdlets for Administration

TOPICS

- **Lesson 1:** Active Directory Administration Cmdlets
- **Lesson 2:** Network Configuration Cmdlets
- **Lesson 3:** Other Server Administration Cmdlets

03

Basic Scripting

TOPICS

- **Lesson 1:** Introduction to Scripting
- **Lesson 2:** Scripting Constructs

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

Learn the Way That Suits You

Classroom Training

Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

1-on-1 Training

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