Windows PowerShell:
Foundation Skills

WorkshopPLUS

Duration: 4 Days | **Focus Area:** Operations and Monitoring | **Level**: 300

The WorkshopPLUS provides attendees with an introduction to using PowerShell for system and application management. Through presentations, white-board discussions, and goal-based labs, this workshop covers various topics that are designed to take the attendee from just starting out with PowerShell to an intermediate level. Modules are organized by scenario and designed to provide participants with expertise, tools and hands-on experience with Windows PowerShell version 5.0.

◆ OUTCOMES ◆

Skills

Gain insights to Windows PowerShell and how to use it.

Best Practices

Learn how the PowerShell syntax works and how to write PowerShell commands.

Way Forward

Take what you've learned in the classroom and apply it to your day to day business.

◆ PREREQUISITES ◆

Participants that have existing experience performing automation tasks will receive the most value from this course.

Recommended Qualifications

• Have a base understanding using a scripting language

Hardware Requirements

• An Intel Core-i5-based PC
• 4 GB RAM
• 128 GB HDD
• Windows 7 SP1 or later
• Internet access with at least 1 Mbps bandwidth per student

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Duration: 4 days

START   DAY 1   DAY 2   DAY 3   DAY 4   End

-Windows PowerShell Basics
-Objects, Variables and Data Types

-PowerShell Built-In Help System
-From Script Blocks to Scripts

-Operators and Pipelining

-Flow Control and Collection Types
- Appendix

SYLLABUS

Windows PowerShell Basics

- Introduction to Windows PowerShell
- Introduction to Commands

Objects, Variables and Data Types

- Object Models
- Variables and Data Types

PowerShell Built-In Help System

- Using the PowerShell Help System

From Script Blocks to Scripts

- Using Script Blocks
- Providers
- Script Basics

Operators and Pipelining

- Introduction to Operators
- Understanding the Windows PowerShell Pipeline
- Working with Pipelining
- Different types of Operators

Flow Control and Collection Types

- Flow Control
- Arrays
- Hash Tables

Appendix

- PowerShell Best Practices

NEXT STEPS: If you are interested in a WorkshopPLUS for your organization, contact your Microsoft Account Representative.

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