

Training: Microsoft
MS-10961 Automating Administration with Windows PowerShell



FORM OF TRAINING	MATERIALS	PRICE	DURATION
Traditional	Digital materials	950 EUR	5 days
Traditional	CTAB Tablet	1050 EUR	5 days

LOCATIONS

Krakow - 5 Tatarska Street, II floor, hours: 9:00 am - 4:00 pm

Warsaw - 17 Bielska Street, hours: 9:00 am - 4:00 pm

TRAINING TERMS

2019-08-26 | 5 days | Warszawa
 2019-09-09 | 5 days | Kraków
 2019-10-07 | 5 days | Warszawa
 2019-10-21 | 5 days | Warszawa
 2019-11-04 | 5 days | Kraków
 2019-11-25 | 5 days | Warszawa

TRAINING GOALS:

This five day course provides students with the fundamental knowledge and skills to use **Windows PowerShell 3.0** for administering and automating administration of Windows based servers. It focuses on primary Windows PowerShell command-line features and techniques, and will provide prerequisite skills supporting many different Microsoft products. This includes Windows Server, Windows Client, Exchange Server, SharePoint Server, 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) will serve as the example for the techniques being taught.

CONSPECT:

- Module 1: Getting Started with Windows PowerShell
 - Overview and Background
 - Finding and Learning Commands
 - Running Commands
- Module 2: Working with the Pipeline
 - Understanding the Pipeline

- Selecting, Sorting, and Measuring Objects
- Converting, Exporting, and Importing Objects
- Filtering Objects Out of the Pipeline
- Enumerating Objects in the Pipeline
- Module 3: Understanding How the Pipeline Works
 - Passing Data in the Pipeline By Value
 - Passing Data in the Pipeline By Property Name
- Module 4: Using PSProviders and PSDrives
 - Using PSProviders
 - Using PSDrives
- Module 5: Formatting Output
 - Using Basic Formatting
 - Using Advanced Formatting
 - Redirecting Formatted Output
- Module 6: Querying Management Information by Using WMI and CIM
 - Understanding WMI and CIM
 - Querying Data with WMI and CIM
 - Making Changes by Using WMI and CIM
- Module 7: Preparing for Scripting
 - Using Variables
 - Scripting Security
- Module 8: Moving From a Command to Script to Module
 - Moving From Command to Script
 - Moving From Script to Function to Module
 - Implementing Basic Error Handling
 - Using Basic Scripting Constructs
 - Exploring Other Scripting Features
- Module 9: Administering Remote Computers
 - Using Basic Remoting
 - Using Advanced Remoting Techniques
 - Using Remoting Sessions
- Module 10: Putting it All Together
 - Provisioning a New Server Core Instance
- Module 11: Using Background Jobs and Scheduled Jobs
 - Using Background Jobs
 - Using Scheduled Jobs

- Module 12: Using Profiles and Advanced PowerShell Techniques
 - Using Advanced PowerShell Techniques
 - Creating Profile Scripts
 - Working With Alternative Credentials

REQUIREMENTS:

Before attending this course, students must have:

- Previous Windows Server and Windows Client management knowledge and hands on experience.
- Experience installing and configuring Windows Server into existing enterprise environments, or as standalone installations.
- Knowledge and experience of network adapter configuration, basic Active Directory user administration, and basic disk configuration.
- Knowledge and hands on experience specifically with Windows Server 2012 and Windows 8 would be of benefit but is not essential.

Difficulty level



CERTIFICATE:

The participants will obtain Microsoft certificates.

TRAINER:

Microsoft Certified Trainer.