

# Workshop Microsoft PowerShell Fundamentals & Advanced Bundle (MSPSFA)

**ID** MSPSFA **Price** 3,300.— €(excl. tax) **Duration** 5 days

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This course combines the content of the courses [Workshop Microsoft PowerShell Fundamentals \(MSPSFUN\)](#) and [Workshop Microsoft PowerShell Advanced \(MSPSADV\)](#).

## Who should attend

This seminar is aimed at service technicians and administrators from the Microsoft environment.

## Prerequisites

none

## Course Objectives

In this seminar you will learn the basic functions and new features of Microsoft PowerShell.

## Course Content

- What can the PowerShell
- how to navigate in PowerShell
- The help files (after) -installing
- make good use of the help
- get-command
- get-Help
- get-Alias
- get-Member
- Methods and properties
- Abbreviate commands
- Alias names
- Using variables

- Mathematical approaches to PowerShell
- Differences between cmdlets and functions
- Create and execute first PowerShell scripts yourself
- PowerShell ISE (Windows PowerShell Integrated Scripting Environment)
- Run other scripts
- Have functions permanently
- Create PowerShell profiles
- PowerShell Profile Paths
- PowerShell Active Directory Modul laden
- Create objects
- Objects queries (\*-filter)
- Powershell Remoting: Remote Maintenance and Mass Management
- Profiles: make your own working environment permanent
- Scripts, functions and modules
  - Lifetime of variables and functions
  - Parameter transfer
  - Operators and loops
  - Error handling and correction
  - Modularization and reusability
- Advanced functions: custom Powershell commands
- Text manipulation: find, replace, transform
- Security: Compliance with company-wide guidelines for script execution
- Creating Graphical User Interfaces with Powershell

# About Fast Lane



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