

# Workshop Microsoft PowerShell Fundamentals & Advanced Bundle (MSPSFA)

ID MSPSFA Prix CHF 4 200,— (Hors Taxe) Durée 5 jours

#### A qui s'adresse cette formation

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

### Pré-requis

none

#### **Objectifs**

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

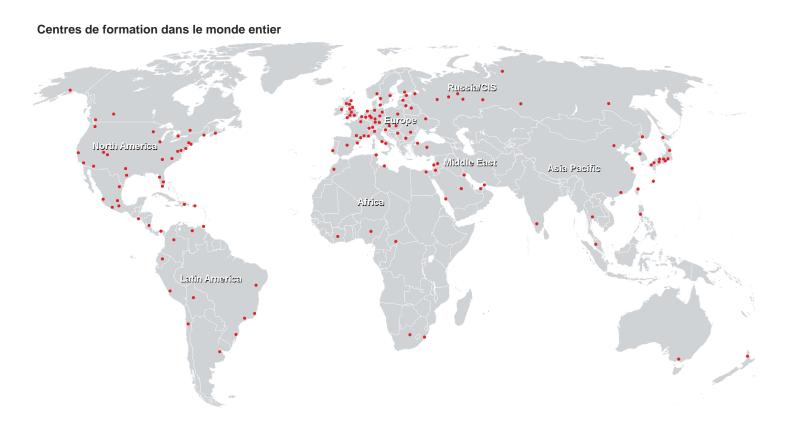
#### Contenu

- Powershell, Bash & Co. Why Powershell is diffrent?
- From admin tools to application development who is Powershell for?
- Platforms, features & versions: What can Powershell do?
- Tools: Shell, ISE and Visual Studio
- Syntax 1x1: How different command variants call the same cmdlet
- Cmdlet wanted! Self-help with on-board resources and Microsoft Learn
- Arrays of Objects How objects work and why they rarely come alone.
- Counting, filtering, selecting the standard operations in the pipeline (Select, Sort, Measure, Where, Foreach)
- Arrays in detail
- Work with Select: Calculated Properties
- Decoding the pipeline! How it really works and why sometimes it doesn't
- · Powershell drives short and sweet
- Powershell grenzenlos: Remoting
- Copy & paste: Why it sometimes makes sense to use script code from the Internet and what speaks against it
- Certificates, code signing and basic security in Powershell
- Loops and branches how to master typical code

#### constructions

- Input, output, parameters ( CSV, XML, JSON and parameter transfers)
- · Divide and conquer: How functions make code clearer
- · Living with errors: Error handling
- · Troubleshooting Scripts
- How WMI and CIM help to uncover system secrets
- Everything at once: parallelization with jobs

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