

Server 2016 Training: PowerShell for Administrators (PSHELL, 4 jours)

Description

The course PowerShell for Administrators (Server 2016 Training) focuses on the use of PowerShell to perform common administrative tasks such as retrieving active directory information, performing software audits, performing installation, & more. Beginning with the basics of the PowerShell command environment, the course covers variables, data types, modules, cmdlets, script parameters as well as local & remote execution. If you need to use PowerShell to automate tasks, this is the course for you.

Tarifs

- Tarification: \$3,750/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

Plan de cours

PowerShell Introduction

The Need for PowerShell

The PowerShell Language

Installing PowerShell

Running a PowerShell Script

PowerShell Essentials

Variables and Variable Declaration

PowerShell Commands and Cmdlets

Command Categories and Aliases

About Parsing

Pipelines and Commands

Formatting Output

PowerShell and Data Types

Working with Strings and Numbers

Data Types Overview

Working with Strings

Working with Single and Double Quotes

Working with Sub-expressions

Using Here Strings

About Numeric Data Types

About Multiplier Suffixes

Hexadecimal Literals

Using Math Functions

Working with Collections and Arrays

About Arrays and Collections

Working with Hashtables

Arrays and Sequences

Array Polymorphism

Type Conversions

Introducing Operators

Creating Functions

Advanced Operators

Operators and Types

Unary Operators

Grouping and Sub-expression Operators

Array Operators

Property and Method Operators

The PS Format Operator

Redirection Operators

Error Handling

Error Handling Overview

A look at Program Flow

Handling Errors

The PowerShell Event Log

Common Administration Tasks

Retrieving Active Directory Information

Performing a Software Audit

Retrieving Properties

Working with the Event Log

Working with ActiveDirectory and ADSI

Working with Security Accounts

Working with Network Configuration

Other Administrative Tasks of Interest

Production Skills in Theory and Practice

Theory: Installing Software and Security Patches

Theory: Implementing Installation Exception Handling and Verification

Practice: Installing a Microsoft Security Patch with PowerShell

Theory: Keys and Certificates

Theory: The Pros and Cons of Code Signing

Theory: The Mechanics of Code Signing

Practice: Signing and Installing Components with PowerShell