

# PowerShell for SQL Server Administrators (55069)

## Description

This course provides you with the knowledge and skills needed to use PowerShell and SMO components for SQL Server administration on SQL Server 2016, 2014 or 2012. You will learn how to manage day-to-day and scheduled maintenance tasks. The main focus will be administration of the database engine, but optional material & exercises on Analysis Services (SSAS) and Integration Services (SSIS) are also included.

## Course Content

### Module 01: Install and Configure SQL Server with PowerShell

- Install SQL Server
- Configure Database Settings
- Configure SQL Server Settings
- Configure SQL Server Policy-Based Management

### Module 02: Administering SQL Servers with PowerShell

- Managing Users and Roles
- Managing Database Performance
- Managing Database Availability
- Managing SQL Server Features

### Module 03: Maintaining SQL Server with PowerShell

- Managing Backups and Restores
- Maintaining Database Integrity and Performance
- Monitoring and Auditing
- Task Automation
- Generating Reports

## Lab / Exercises

- Online Labs

## Documentation

- Digital courseware included

## Participant profiles

- SQL Server administrators who work in a Windows network environment

## Prerequisites

- Experience working on Windows desktops or servers
- Experience working in a Windows domain environment
- Experience Administering SQL Server Servers
- Fundamental experience with PowerShell

## Objectives

- Install and Configure SQL Server and all its components using PowerShell
- Manage day-to-day SQL Server Administration with PowerShell
- Maintain the SQL Server environment using PowerShell scripting and programming options

**Niveau**

Intermédiaire

**Classroom Registration Price (CHF)**

1800

**Virtual Classroom Registration Price (CHF)**

1700

**Duration (in Days)**

2

**Reference**

55069AC