

KOENIG SOLUTIONS • COURSE OUTLINE

55069-A: PowerShell for SQL Server Administrators

Learn to install, configure, administer and maintain SQL Server using PowerShell, from setup to automated reporting.

3

MODULES

13

TOPICS

3

HANDS-ON LABS

COURSE OVERVIEW

This course covers using PowerShell to install and configure SQL Server, including database settings, server settings and policy-based management. It then addresses day-to-day administration tasks such as managing users and roles, database performance, database availability and SQL Server features. Finally, it covers maintenance tasks including backups and restores, database integrity and performance, monitoring and auditing, task automation, and generating reports.

WHO THIS COURSE IS FOR

SQL Server Administrators

Database Administrators

Database Developers

System Administrators

LEARNING OBJECTIVES

- Install SQL Server components using PowerShell
- Configure database and SQL Server settings with PowerShell
- Apply policy-based management to SQL Server
- Manage users and roles on SQL Server
- Monitor database performance and availability
- Manage SQL Server features through PowerShell
- Perform backups and restores using PowerShell
- Automate maintenance tasks and generate reports

3 Modules, 13 Topics

01

Lab

Install and Configure SQL Server with PowerShell

This module explains how to setup SQL Server components using PowerShell.

TOPICS

- Lesson 1: Install SQL Server
- Lesson 2: Configure Database Settings
- Lesson 3: Configure SQL Server Settings
- Lesson 4: Configure SQL Server Policy-Based Management

02

Lab

Administering SQL Servers with PowerShell

This module explains how to perform day-to-day administrative tasks on SQL Server Servers using PowerShell.

TOPICS

- Lesson 1: Managing Users and Roles
- Lesson 2: Managing Database Performance
- Lesson 3: Managing Database Availability
- Lesson 4: Managing SQL Server Features

03

Lab

Maintaining SQL Server with PowerShell

This module explains how to perform maintenance tasks on SQL Servers using PowerShell.

TOPICS

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

Practise What You Learn

#	MODULE	ACTIVITY
01	Install and Configure SQL Server with PowerShell	Configuring SQL Server with PowerShell
02	Administering SQL Servers with PowerShell	Administering SQL Servers with PowerShell
03	Maintaining SQL Server with PowerShell	Maintaining SQL Servers with PowerShell

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

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