



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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**Skontaktuj się z nami**

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# MS-55316 Administering A SQL Database

<b>Kod:</b>	<b>Czas trwania:</b>	<b>Cena netto:</b>
MCS_M20764	40 Hours (5 days)	zł3,950.00

## Description

This five-day instructor-led course provides students who manage SQL Server and Azure SQL databases with the knowledge and skills needed to administer a SQL server database infrastructure. The material will also be useful to individuals who develop applications that deliver content from SQL Server databases. This material updates and replaces course 20764C.

## Wymagania wstępne

The primary audience for this course is individuals who administer and maintain SQL Server databases. These individuals perform database administration and maintenance as their primary area of responsibility, or work in environments where databases play a key role in their primary job. The secondary audiences for this course are individuals who develop applications that deliver content from SQL Server databases.

## Program szkolenia

### 1. SQL Server Security

- Authenticating Connections to SQL Server
- Authorizing Logins to Connect to databases
- Authorization Across Servers
- Partially Contained Databases

### 2. Assigning Server and Database Roles

- Working with Server Roles
- Working with Fixed Database Roles
- User-Defined Database Roles

### 3. Authorizing Users to Access Resources

- Authorizing User Access to Objects
- Authorizing Users to Execute Code
- Configuring Permissions at the Schema Level

### 4. Protecting Data with Encryption and Auditing

- Options for auditing data access in SQL Server
- Implementing SQL Server Audit
- Managing SQL Server Audit
- Protecting Data with Encryption

### 5. Recovery Models and Backup Strategies

- Understanding Backup Strategies
- SQL Server Transaction Logs
- Planning Backup Strategies

### 6. Backing Up SQL Server Databases

- Backing Up Databases and Transaction Logs
- Managing Database Backups
- Advanced Database Options

### 7. Restoring SQL Server Databases

- Understanding the Restore Process
- Restoring Databases
- Advanced Restore Scenarios
- Point-in-Time Recovery

### 8. Automating SQL Server Management

- Automating SQL Server management
- Working with SQL Server Agent
- Managing SQL Server Agent Jobs
- Multi-server Management

### 9. Configuring Security for SQL Server Agent

- Understanding SQL Server Agent Security
- Configuring Credentials
- Configuring Proxy Accounts

### 10. Monitoring SQL Server with Alerts and Notifications

- Monitoring SQL Server Errors
- Configuring Database Mail
- Operators, Alerts, and Notifications
- Alerts in Azure SQL Database

### 11. Introduction to Managing SQL Server by using PowerShell

- Getting Started with Windows PowerShell
- Configure SQL Server using PowerShell
- Administer and Maintain SQL Server with PowerShell
- Managing Azure SQL Databases using PowerShell

### 12. Tracing Access to SQL Server with Extended Events

- Extended Events Core Concepts
- Working with Extended Events

### **13. Monitoring SQL Server**

- Monitoring activity
- Capturing and Managing Performance Data
- Analyzing Collected Performance Data

### **14. Troubleshooting SQL Server**

- Applying a Troubleshooting Methodology
- Resolving Service-Related Issues
- Resolving Connectivity and Login issues

### **15. Importing and Exporting Data**

- Transferring Data to and from SQL Server
- Importing and Exporting Table Data
- Using bcp and BULK INSERT to Import Data
- Deploying Data-Tier Applications

## **Terminy**

Na żądanie. [Prosimy o kontakt](#)

## **Dodatkowe informacje**

Jeśli interesują Cię inne szkolenia tego producenta - skontaktuj się z nami.