

# MSQ4-13 - MOC 10998 - UPDATING YOUR SKILLS TO SQL SERVER 2017

Categoria: **SQL Server 2017 e 2016**

## INFORMAZIONI SUL CORSO



**Durata:**  
**2 Giorni**



**Categoria:**  
**SQL Server 2017 e  
2016**



**Qualifica Istruttore:**  
**Microsoft Certified  
Trainer**



**Dedicato a:**  
**Professionista IT**



**Produttore:**  
**Microsoft**

## OBIETTIVI

After completing this course, students will be able to:

- Describe key capabilities and components of SQL Server 2017
- Describe new and enhanced features in SQL Server Performance, Availability, and Scalability
- Describe new and enhanced features in SQL Server data access
- Describe new and enhanced features in SQL Server reporting and BI
- Describe new and enhanced features in SQL Server OLAP
- Describe new and enhanced data analytics features
- Describe new and enhanced features in SQL Server Cloud deployments
- Describe SQL Server on Linux functionality

## PREREQUISITI

In addition to their professional experience, students who attend this training should already have the following technical knowledge:

- Experience of building and managing database, data warehouse, and business intelligence (BI) solutions with SQL Server 2016.
- Familiarity with the Windows Server 2016 operating system and networking.
- Familiarity with Microsoft Office 2016.

## CONTENUTI

### **Module 1: Introduction to SQL Server 2017**

- Overview of SQL Server 2017
- Functionality across versions

### **Module 2: What's new in SQL Server Performance, Scalability, and Availability.**

- Adaptive query processing
- Automatic tuning
- Availability Scalability

**Lab: Performance and availability – adaptive query processing**

- Interleaved execution
- Batch mode memory grant feedback
- Batch mode adaptive joins

### **Module 3: What's New in SQL Server data Access**

- SQL Graph

#### **Lab: SQL Graph**

- Create a Graph database
- Query a Graph database

### **Module 4: What's new in SQL Server Reporting and BI**

- Power BI report Server
- Reporting Services update

#### **Lab: Reporting and BI**

- Deploy Power BI report server
- Add commenting to a report

### **Module 5: New and Enhanced Features in SQL Server Analysis Services**

- Tabular model updates

#### **Lab: Ragged hierarchies**

- View existing reports
- Hide blank members

### **Module 6: New and Enhanced data Analytics Features**

- New and enhanced data analytics features

#### **Lab: Data analytics with Python**

- Enable external script execution
- Run Python scripts

### **Module 7: What's new in SQL Server in the Cloud**

- Azure SQL database features
- Managed Instances

#### **Lab: Managed instances**

### **Module 8: SQL Server on Linux**

- SQL Server on Linux
- Deploying SQL Server on Linux

#### **Lab: SQL Server in Docker containers**

- Deploy a SQL Server Docker image
- Run a SQL Server instance inside a Docker container
- Connect to a SQL Server Instance running in a Docker container

**Materiale didattico:** Materiale didattico in formato digitale

**Costo materiale didattico:** incluso nel prezzo del corso a Calendario

**Natura del corso:** Operativo (previsti lab su PC)