

# MSQ4-7 - MOC 20765 - PROVISIONING SQL DATABASES

Categoria: **SQL Server 2017 e 2016**

## INFORMAZIONI SUL CORSO



**Durata:**  
5 Giorni



**Categoria:**  
SQL Server 2017 e  
2016



**Qualifica Istruttore:**  
Microsoft Certified  
Trainer



**Dedicato a:**  
Professionista IT



**Produttore:**  
Microsoft

## OBIETTIVI

Effettuare il provisioning di un database server  
Aggiornare SQL Server  
Configurare SQL Server  
Gestire database e file (in comune)

## PREREQUISITI

Conoscenza di base del sistema operativo Microsoft Windows e delle sue funzionalità di base.  
Conoscenza di Transact-SQL.  
Conoscenza di database relazionali.  
Una certa esperienza con la progettazione di database.

## CONTENUTI

### **Module 1: SQL Server 2016 Components**

Introduction to the SQL Server Platform  
Overview of SQL Server Architecture  
SQL Server Services and Configuration Options

### **Lab : SQL Server Versions ( Discussion session)**

After completing this module, you will be able to:  
Describe the SQL Server platform and architecture  
Describe the SQL Server services and configuration..

### **Module 2: Installing SQL Server 2016**

Considerations for installing SQL Server  
TempDB Files  
Installing SQL Server 2016  
Automating Installation

### **Lab : Installing SQL Server**

After completing this module, you will be able to:  
Describe the considerations when installing SQL Server 2016

Be able to install SQL Server  
Be able to automate the installation

### **Module 3: Upgrading SQL Server to SQL Server 2016**

Upgrade Requirements  
Upgrade SQL Server Services  
Migrating SQL Server Data and Applications

#### **Lab : Upgrading SQL Server**

After completing this module, you will be able to:  
Describe the requirements for upgrading to SQL Server 2016  
Describe how to upgrade SQL Server services  
Be able to migrate SQL Server Data and Applications

### **Module 4: Deploying SQL Server on Microsoft Azure**

SQL Server Virtual Machines in Azure  
Deploying an Azure SQL Database  
Migrating an On-Premise Database to an Azure SQL Database

#### **Lab : Migrating SQL Server with Azure**

After completing this module, you will be able to:  
Describe how SQL Server Virtual Machines work in Azure  
Describe how to deploy and Azure SQL database  
Describe how to migrate and on-premise database to Azure

### **Module 5: Working with Databases**

Overview of SQL Server Databases  
Creating Databases  
Database Files and Filegroups  
Moving Database Files  
Buffer Pool Extension

#### **Lab : Managing Database Storage**

After completing this module, you will be able to:  
Be able to create SQL Server databases  
Describe database files and filegroups  
Be able to move database files  
Describe the buffer pool extension

### **Module 6: Database Storage Options**

SQL Server storage Performance  
SMB Fileshare  
SQL Server Storage in Azure  
Stretch Databases

#### **Lab : Implementing Stretch Database**

After completing this module, you will be able to:  
Explain the elements impacting storage performance  
Describe SMB fileshare  
Describe SQL Server storage in Azure  
Describe Stretch Databases

### **Module 7: Performing Database Maintenance**

Ensuring Database Integrity  
Maintaining Indexes  
Automating Routine Database Maintenance

**Lab : Performing Ongoing Database Maintenance**

After completing this module, you will be able to:

Describe how to ensure database integrity

Be able to maintain indexes

Be able to automate routine database maintenance

## INFO

**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)