



# Provisioning SQL Databases (OD20765)

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 Seminar

 Zurzeit keine Termine

 Teilnahmebescheinigung

 E-Learning

 40 Unterrichtseinheiten

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Seminarnummer: 29485 | Herstellernummer: OD20765

Stand: 09.05.2025. Alle aktuellen Informationen finden Sie unter <https://akademie.tuv.com/s/29485>

This On Demand online course is designed to teach students how to provision SQL Server databases both on premise and in SQL Azure.

## Nutzen

This online training is an alternative to the MOC20765 course. After completing this online training, you will be able to:

- Provision a Database Server
- Upgrade SQL Server
- Configure SQL Server
- Manage Databases and Files (shared)
- Provision, migrate and manage databases in the cloud

This training prepares you for the SQL Server MCSA exam 70-765.

## Zielgruppe

The primary audience for this online training 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.

# Voraussetzungen

This online training requires that you meet the following prerequisites:

- Basic knowledge of the Microsoft Windows operating system and its core functionality.
- Working knowledge of Transact-SQL.
- Working knowledge of relational databases.
- Some experience with database design

## Inhalte des Seminars

### Module 1: SQL Server Components

This module describes the various SQL Server components and versions.

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

### Module 2: Installing SQL Server

This module describes the process to install SQL Server 2016.

- Considerations for SQL Installing Server
- TempDB Files
- Installing SQL Server
- Automating Installation

### Module 3: Upgrading SQL Server to SQL Server 2017

This module describes the process for upgrading to SQL Server 2017.

- Upgrade Requirements
- Upgrade SQL Server Services
- Side by Side Upgrade: Migrating SQL Server Data and Applications

### Module 4: Working with Databases

This module describes the preinstalled system databases, the physical structure of databases and the most common configuration options related to them.

- Introduction to Data Storage with SQL Server
- Managing Storage for System Databases
- Managing Storage for User Databases
- Moving and Copying Database Files
- Buffer Pool Extension

## Module 5: Performing Database Maintenance

This module covers database maintenance plans.

- Ensuring Database Integrity
- Maintaining Indexes
- Automating Routine Database Maintenance

## Module 6: Database Storage Options

Describe SQL Server storage options.

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

## Module 7: Planning to Deploy SQL Server on Microsoft Azure

This module describes how to plan to deploy SQL Server on Azure.

- SQL Server Virtual Machines in Azure
- Azure Storage
- Azure SQL Authentication
- Deploying an Azure SQL Database

## Module 8: Migrating Databases to Azure SQL Database

This module describes how to migrate databases to Azure SQL Database.

- Database Migration Testing Tools
- Database Migration Compatibility Issues
- Migrating a SQL Server Database to Azure SQL Database

## Module 9: Deploying SQL Server on a Microsoft Azure Virtual Machine

This module describes how to deploy SQL Server on Microsoft Azure VMs.

- Deploying SQL Server on an Azure VM
- The Deploy Database to a Microsoft Azure VM Wizard

## Module 10: Managing databases in the Cloud

This module describes how to manage SQL Server on Azure.

- Managing Azure SQL Database Security
- Configure Azure storage
- Azure Automation

## Wichtige Hinweise

MOC On Demand Trainings sind original Microsoft Trainings, in denen Sie zeit- und ortsungebunden lernen können. Diese Trainings enthalten:

- Zugang zum offiziellen Microsoft Video on Demand Kurs für 90 Tage ab dem ersten Zugriff.
- Einen Lab-Online-Zugang für praktische Übungen, der ab Kauf 6 Monate gültig ist.
- Eine originale MOC Schulungsunterlage in digitaler Form, wie sie auch in den Live-Trainings eingesetzt wird.

Weitere Details entnehmen Sie unserer MOC On Demand Landingpage unter [www.tuv.com/Microsoft](http://www.tuv.com/Microsoft)

## Terminübersicht und Buchung

Buchen Sie Ihren Wunschtermin jetzt direkt online unter <https://akademie.tuv.com/s/29485> und profitieren Sie von diesen Vorteilen:

- Schneller Buchungsvorgang
- Persönliches Kundenkonto
- Gleichzeitige Buchung für mehrere Teilnehmer:innen

Alternativ können Sie das Bestellformular verwenden, um via Fax oder E-Mail zu bestellen.