Administering Microsoft® SQL Server 2014 Databases On Demand 20462

Seminar	Zurzeit keine Termine	Teilnahmebescheinigung
E-Learning	40 Unterrichtseinheiten	

Seminarnummer: 29424 | Herstellernummer: OD20462

Stand: 15.03.2026. Alle aktuellen Informationen finden Sie unter https://akademie.tuv.com/s/29424

This On Demand online course provides students with the knowledge and skills to maintain a Microsoft SQL Server 2014 database. The course focuses on teaching individuals how to use SQL Server 2014 product features and tools related to maintaining a database.

Details zu MOC On Demand Trainings finden Sie unter den Hinweisen weiter unten.

Nutzen

In dieser MOC on Demand Version ist eine original MOC Unterlage 20462 in digitaler Form enthalten.

After completing this course, students will be able to:

- Describe core database administration tasks and tools.
- Install and configure SQL Server 2014.
- Configure SQL Server databases and storage.
- Plan and implement a backup strategy.
- Restore databases from backups.
- Import and export data. Monitor SQL Server.
- Trace SQL Server activity.
- Manage SQL Server security.
- Audit data access and encrypt data.
- Perform ongoing database maintenance.
- Automate SQL Server maintenance with SQL Server Agent Jobs.
- Configure Database Mail, alerts and notifications.

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Zielgruppe

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 audience for this course is individuals who develop applications that deliver content from SQL Server databases.

Voraussetzungen

This course 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: Introduction to SQL Server 2014 Database Administration This module introduces the Microsoft SQL Server 2014 platform. It describes the components, editions, and versions of SQL Server 2014, and the tasks that a database administrator commonly performs for a SQL Server instance.

Lessons
- Database Administration Overview

- Introduction to the SQL Server Platform

- Database Management Tools and Techniques

Lab : Using SQL Server Administrative Tools

Module 2: Installing and Configuring SQL Server 2014 This module explains how to assess resource requirements for SQL Server 2014 and how to install it..

Lessons
- Planning SQL Server Installation

- Installing SQL Server 2014

- Post-Installation Configuration

Lab : Installing SQL Server 2014

Module 3: Working with Databases and Storage This module describes how data is stored in databases, how to create databases, how to manage database files, and how to move them. Other tasks related to storage, include managing the tempdb database and using fast storage devices to extend the SQL Server

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buffer pool cache, are also discussed.

Lessons
- Introduction to Data Storage with SQL Server
- Managing Storage for System Databases
- Managing Storage for User Databases
- Moving Database Files
- Configuring the Buffer Pool Extension

Lab : Managing Database Storage

Module 4: Planning and Implementing a Backup Strategy In this module, you will consider how to create a backup strategy that is aligned with organizational needs, and learn how to perform the backup operations required by that strategy.

Lessons
- Understanding SQL Server Recovery Models
- Planning a Backup Strategy
- Backing up Databases and Transaction Logs
- Using Backup Options
- Ensuring Backup Reliability

Lab : Backing Up SQL Server Databases

Module 5: Restoring SQL Server 2014 Databases In this module, you will see how to restore user and system databases and how to implement point-in-time recovery.

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

Lab : Restoring SQL Server Databases

Module 6: Importing and Exporting Data In this module, you will briefly explore tools and techniques so that you can import and export data to and from SQL Server.

Lessons
- Introduction to Transferring Data
- Importing and Exporting Table Data
- Copying or Moving a Database

Lab : Importing and Exporting Data

Module 7: Monitoring SQL Server 2014 This module explains how to use three of the most commonly used tools: Activity Monitor, dynamic management views and functions (DMVs and DMFs), and Performance Monitor.

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Lessons
- Introduction to Monitoring SQL Server
- Dynamic Management Views and Functions
- Performance Monitor

Lab : Monitoring SQL Server 2014

Module 8: Tracing SQL Server Activity This module describes how to use SQL Server Profiler and SQL Trace stored procedures to capture information about SQL Server, and how to use that information to troubleshoot and optimize SQL Server workloads.

Lessons
- Tracing SQL Server Workload Activity
- Using Traces

Lab : Tracing SQL Server Workload Activity

Module 9: Managing SQL Server Security In this module, you will be learn about the core concepts on which the SQL Server security architecture is based, and how to manage security at the server and database levels.

Lessons
- Introduction to SQL Server Security
- Managing Server-Level Security
- Managing Database-Level Principals<

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

Terminübersicht und Buchung

Buchen Sie Ihren Wunschtermin jetzt direkt online unter https://akademie.tuv.com/s/29424 und profitieren Sie von diesen Vorteilen:

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

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