

3 Days

10986: Updating Your Skills To SQL Server 2016

Upgrading Your Skills to SQL Server 2016 training is a three-day course that will help individuals in understanding the enhancements and improvements made in the earlier releases of SQL Server with an introduction to the new features in SQL Server 2016.

Completion of the course equips the participants with the following concepts and skills:

- Key capabilities and components of SQL Server 2016
- What's new in SQL Server Availability and Scalability
- New and enhanced features in SQL Server performance
- New and enhanced data access features
- Enhanced features in SQL Server security
- New and enhanced features in reporting and PowerBI in SQL Server 2016
- Enhanced features in SQL Server OLAP
- New SQL Server cloud functionality

Course Details

Course Outline

Module 1: Introduction to SQL Server 2016

- SQL Server 2016 Overview
- SQL Server 2016 Editions and Components
- Install SQL Server 2016
- Enhancements in SQL Server Management Studio

Module 2: What's New in SQL Server Performance

- Operational Analytics
- In-memory OLTP Enhancements
- Live Query Statistics
- Query Store

- Temporal Tables
- Native JSON

Module 3: What's New in SQL Server Security?

- Using Always Encrypted
- Dynamic Data Masking
- Row-level Security

Module 4: What's New in SQL Server Availability and Scalability?

- Enhanced AlwaysOn Availability Groups
- PowerShell 5.0
- What's New with tempDB?
- Use Windows Server 2016 with SQL Server 2016

Module 5: What's New in SQL Server Reporting and BI

- Reporting Services Enhancements
- Mobile Report Publisher
- PowerBI Enhancements

Module 6: What's New in SQL Server Data Access?

- PolyBase
- Working with SSIS and Azure
- What's new in Integration Services?

Module 7: New and Enhanced Features in SQL Server OLAP

- New and Enhanced Features in SQL Server OLAP
- What's New in SQL Server Analysis Services

Module 8: What's New for SQL Server in the Cloud?

- Introduction to SQL Server 2016 Hybrid Cloud
- Stretch Database
- What's New in SQL Server Azure Database
- Enhanced Backups to Azure

Who Should Attend

- The primary audience for this course includes professionals holding experience in SQL Server 2014 and want to update their skills to SQL

Server 2016.

- SQL Server 2014 MCSAs who are looking for the Upgrade exam for SQL Server 2016 certification.

Pre Requisite

In addition to the professional experience, candidates who attend this training must have the following technical knowledge:

- Experience in building and managing database, data warehouse, and SQL Server 2014 business intelligence (BI) solutions.
- Acquaintance with the Windows Server 2012 R2 operating system and networking.
- Acquaintance with Microsoft Excel and Microsoft SharePoint Server 2013.

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