

10986 Upgrading Your Skills to SQL Server 2016

Course Overview

This three-day instructor-led course provides students moving from earlier releases of SQL Server with an introduction to the new features in SQL Server 2016.



This is a 3-day class

Who Should Attend

The primary audience for this course are existing database professionals with experience of SQL Server 2014 who want to update their skills to SQL Server 2016. Additional this course is for existing SQL Server 2014 MCSAs who want to prepare for the Upgrade exam for SQL Server 2016 certification.

Course Objectives

After completing this course, students will be able to:

- Describe key capabilities and components of SQL Server 2016
- Describe new and enhanced features in SQL Server performance
- Describes new and enhanced features in SQL Server security
- Describe what's new in SQL Server Availability and Scalability
- Describe new and enhanced features in reporting and PowerBI in SQL Server 2016
- Describe new and enhanced data access features
- Describe new and enhanced features in SQL Server OLAP
- Describe new SQL Server cloud functionality

Course Outline

1 Introduction to SQL Server 2016

Overview of SQL Server 2016
SQL Server 2016 Editions and Components
Installing SQL Server 2016
SQL Server Management Studio Enhancements

2 What's New in SQL Server Performance

Columnstore Indexes for Operational Analytics
In-memory OLTP Enhancements
The Query Data Store
Native JSON
Temporal Tables

3 What's New in SQL Server Security?

Using Always Encrypted
Row-level Security
Dynamic Data Masking

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

Enhanced AlwaysOn Availability Groups
What's New in Database Caching?
Using Windows Server 2016

5 What's New in SQL Server Reporting and BI

Reporting Services Enhancements
PowerBI Enhancements

6 What's New in SQL Server Data Access?

PolyBase
Enhancements to Integration Services

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

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

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