



Updating Your Skills to SQL Server 2016

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.

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 Prerequisites:

Before attending this course, participants should have, in addition to their professional experience:

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

Course Objectives:

After completing this course, participants will be able to:

- Describe key features and capabilities of SQL Server 2014
- 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 Code: 10986A
Course Duration: 3 Days

Course Summary

Module 1: Introduction to SQL Server 2016

Module 2: What's New in SQL Server Performance?

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

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

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

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

Module 7: New & Enhanced Features in SQL Server OLAP

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

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Call 1300 927 394 to register for this course today as places are strictly limited.



Course Outline

Module 1: Introduction to SQL Server 2016

This module describes the key capabilities and components of SQL Server 2016

Lessons

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

Lab

- Installing SQL Server 2016

Module 2: What's New in SQL Server Performance?

This module describes new and enhanced features in SQL Server performance.

Lessons

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

Lab

- Implementing SQL Server 2016 Performance Improvements

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

This module describes new and enhanced features in SQL Server Security.

Lessons

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

Lab

- Implementing SQL Server 2016 Security Improvements

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

This module introduces what's new in SQL Server Availability and Scalability

Lessons

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

Lab

- Availability and Scalability with SQL Server 2016

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

This module introduces reporting and BI enhancements and new features in SQL Server 2016.

Lessons

- Reporting Services Enhancements
- PowerBI Enhancements

Lab

- Implementing PowerBI

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

At the end of this module you will be able to describe data access enhancements in SQL Server 2016.

Lessons

- PolyBase
- Enhancements to Integration Services

Lab

- Using PolyBase

Module 7: New and Enhanced Features in SQL Server OLAP

This module describes enhancements in SQL Server OLAP

Lessons

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

Lab

- OLAP with SQL Server

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

This module describes new SQL Server cloud functionality

Lessons

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

Lab

- Using SQL Server in a Hybrid Cloud