

## Updating Your Skills to SQL Server 2016 (10986)

- **Formato do curso:** Presencial
- **Localidade:** Porto
- **Data:** 17 Fev. 2020 a 24 Fev. 2020
- **Preço:** 1210€
- **Horário:** Pós-laboral - das 18h30 às 22h00
- **Nível:** Intermédio
- **Duração:** 21 horas

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.

### Destinatários

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.

### Pré-requisitos

In addition to their professional experience, students who attend this training should already have the following technical knowledge:

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

### Objetivos

- 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
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## Programa

### **Module 1: Introduction to SQL Server 2016**

Describe 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