

## Developing SQL Databases (MS-20762)

**ID** MS-20762 **Price** CHF 3,110.—(excl. VAT) **Duration** 5 days

### Who should attend

The primary audience for this course is IT Professionals who want to become skilled on SQL Server 2016 product features and technologies for implementing a database.

The secondary audiences for this course are individuals who are developers from other product platforms looking to become skilled in the implementation of a SQL Server 2016 database.

### Prerequisites

- Basic knowledge of the Microsoft Windows operating system and its core functionality.
- Working knowledge of Transact-SQL.
- Working knowledge of relational databases.

- Introduction to Indexes
- Designing Optimized Index Strategies
- Columnstore Indexes
- Designing and Implementing Views
- Designing and Implementing Stored Procedures
- Designing and Implementing User-Defined Functions
- Responding to Data Manipulation via Triggers
- Using In-Memory Tables
- Implementing Managed Code in SQL Server
- Storing and Querying XML Data in SQL Server
- Storing and Querying Spatial Data in SQL Server
- Storing and Querying BLOBs and Text Documents in SQL Server
- SQL Server Concurrency
- Performance and Monitoring

### Course Objectives

After completing this course, students will be able to:

- Design and Implement Tables.
- Describe advanced table designs
- Ensure Data Integrity through Constraints.
- Describe indexes, including Optimized and Columnstore indexes
- Design and Implement Views.
- Design and Implement Stored Procedures.
- Design and Implement User Defined Functions.
- Respond to data manipulation using triggers.
- Design and Implement In-Memory Tables.
- Implement Managed Code in SQL Server.
- Store and Query XML Data.
- Work with Spatial Data.
- Store and Query Blobs and Text Documents.

### Course Content

- Introduction to Database Development
- Designing and Implementing Tables
- Advanced Table Designs
- Ensuring Data Integrity through Constraints

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### Training Centres worldwide



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