

## Data access with .NET Core (MSDEV05)

**ID** MSDEV05 **Price** CHF 1,490.—(excl. VAT) **Duration** 2 days

### Who should attend

This course is for .NET developers who want to efficiently access any database from their web or desktop application.

### Prerequisites

[C# Advanced \(MSDEV03\)](#), optionally recommended [.Net 5 Technologies \(MSDEV04\)](#)

### Course Objectives

- Using EF Core to efficiently implement your data access layer
- Know numerous tools to be able to work productively.

### Course Content

#### Introduction and overview

#### Create the model

- Entities
- Data context
- Modeling of the tables
- API Fluent
- Relationships between data

#### Query

#### database

- Database connection
- Provider selection
- Database queries
- Eager vs. Lazy Loading
- Filtering and sorting

#### Save data

- Add, modify and delete
- concurrency

### Database Migration

#### Refine database model

- Database index, default values
- Owned Types
- Query Types
- Stored Procedures und Table-valued Functions

### Other features

- Table Splitting
- Value Converter
- Global Query Filter
- Data Seeding
- Direct SQL
- Transactions

### Performance Optimization

#### Tools und Extensions

#### Work with NoSQL databases

### Training Centres worldwide



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