

# Master Class: Data access with .NET Core (MSDEV05)

**ID** MSDEV05 **Price** 1,190.— €(excl. tax) **Duration** 2 days

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## Course Overview

You need to be able to access your data in databases efficiently and reliably from your application? This training shows you the way.

## Who should attend

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

## Prerequisites

[Master Class: C# Advanced \(MSDEV03\)](#), optionally recommended  
[Master Class: .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

# About Fast Lane



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