Data access with .NET 8 («EFCORE»)

Entity Framework Core is a completely new development of the well-known Entity Framework – open-source and platform-independent. The new OR mapper is more powerful and has numerous new features compared to the previous version.

Duration: 2 days
Price: 1'600.–

Content

1. Introduction and Overview
2. Create the Model
   - Entities
   - Data context
   - Modeling of the tables
   - Fluent API
   - Relationships between data
3. Query Database
   - Database connection
   - Selection of the provider
   - Database queries
   - Eager vs. Lazy Loading
   - Filtering and sorting
4. Storage of Data
   - Add, modify, delete
   - Concurrency
5. Database Migration
6. Database Model Refinement
   - Database index, default values
   - Owned Types
   - Query Types
   - Stored Procedures and Table-valued Functions
7. Further Features
   - Table Splitting
   - Value Converter
   - Global Query Filter
   - Data Seeding
   - Direct SQL
   - Transactions
8. Performance Optimization
9. Tools and Extensions
10. Working with NoSQL databases

Key Learnings

- Using EF Core to efficiently implement your data access layer
- Knowledge of numerous tools to work productively

Target audience

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

Requirements

Knowledge of programming with C# as taught in the CFE course.

- Modern Web Development with ASP.NET Blazor («ASPBLA»)
- ASP.NET Core Advanced («MVC»)

Further courses

- Web Developer Associate («WEBDA»)
- Windows Presentation Foundation and XAML («WPF»)
- Basics of web development with ASP.NET Core («CWG»)

Any questions?

We are happy to advise you on +41 44 447 21 21 or info@digicomp.ch. You can find detailed information about dates on www.digicomp.ch/courses-software-engineering/programming/frameworks-libraries/course-data-access-with-net-8