Fast Lane

SQL Server for .NET Application Developers (SQL04)

ID SQL04　**Price** CHF 2,610.—(excl. VAT)　**Duration** 3 days

Who should attend

Application developers, .NET specialists and software developers

Prerequisites

Programming knowledge

Course Objectives

You know the basics of the various Windows databases and learn how to develop stable, secure applications in SQL Server 2019.

Course Content

Basics

- Repetition of the database basics
- Various database types and products
- Database design
- Software Architecture
- NoSQL databases

SQL

- Repetition interrogation techniques
- Stored Procedures in TSQL und C#
- SQL Server as .NET runtime environment

Database access techniques

- Transactions
- Entity Framework
- Other OR/Mapper

Tooling

- SQL Server Management Studio
- Visual Studio / Data Tools
- tips and tricks
- ALM in applications (FTS)

Database

- The main administrative points
- DB interfaces (views, stored procedures, ...)
- Data quality
- Monitoring
- Operation

Performance und Security

- Performance measurements/analysis

Performance improvements

- Indexe
- Administratives
- Query optimizations
- Infrastructure Aspects
- In-memory techniques

Brief introduction of new techniques in SQL Server 2019

- Big Data
- Data Science
- AI

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Training Centres worldwide

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