

---

# SQL Server for .NET Application Developers (SQL04)

**ID** SQL04 **Price** CHF 2,850.—(excl. VAT) **Duration** 3 days

## Who should attend

Application developers, .NET specialists and software developers

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

## Prerequisites

Programming knowledge

## Performance und Security

- Performance measurements/analysis

## Course Objectives

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

## Performance improvements

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

## Course Content

### Basics

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

## Brief introduction of new techniques in SQL Server 2019

- Big Data
- Data Science
- AI

### 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

# SQL Server for .NET Application Developers (SQL04)

---

## Training Centres worldwide



## Fast Lane Institute for Knowledge Transfer (Switzerland) AG

Husacherstrasse 3  
CH-8304 Wallisellen  
Tel. +41 44 832 50 80

info@flane.ch, <https://www.flane.ch>