Master Class: Microsoft SQL Server (SQLSMC)

ID SQLSMC **Price** CHF 4,995.—(excl. VAT) **Duration** 5 days

Who should attend

The primary target group is administrators who want to install, administer and operate Microsoft SQL Server 2025 in their company.

This course is also suitable for developers who create applications based on MS SQL Server 2025.

Prerequisites

Knowledge in the following areas is desirable:

- Basic understanding of administrative tasks
- Basic knowledge of relational databases
- Basic knowledge of the TSQL language

Course Content

Overview of MS SQL Server 2025 components

Installation and configuration of MS SQL Server 2025

- Overview of the installation requirements
- Installing SQL Server 2025 online and unattended
- Best practice configuration of MS SQL Server 2025

Creating databases

- Creating and customizing SQL Server databases from a performance and scaling perspective
- Partitioning databases
- Implementing Stretch Database

Security of SQL Server 2025

- Create and manage logins, users
- Creating server and database roles
- Working with schemas
- Assigning permissions

Backing up and restoring SQL databases

- Getting to know the different backup types
- Creating a backup concept

Setting up maintenance tasks

- Introduction to indexes (clustered, non-clustered, columnstore index)
- Maintenance strategies for indexes, statistics and database shrinking
- Defining maintenance plans
- Managing maintenance tasks in the SSIS DB

Automation of SQL Server 2025

- Creating jobs and warnings
- Defining proxies
- Automation monitoring

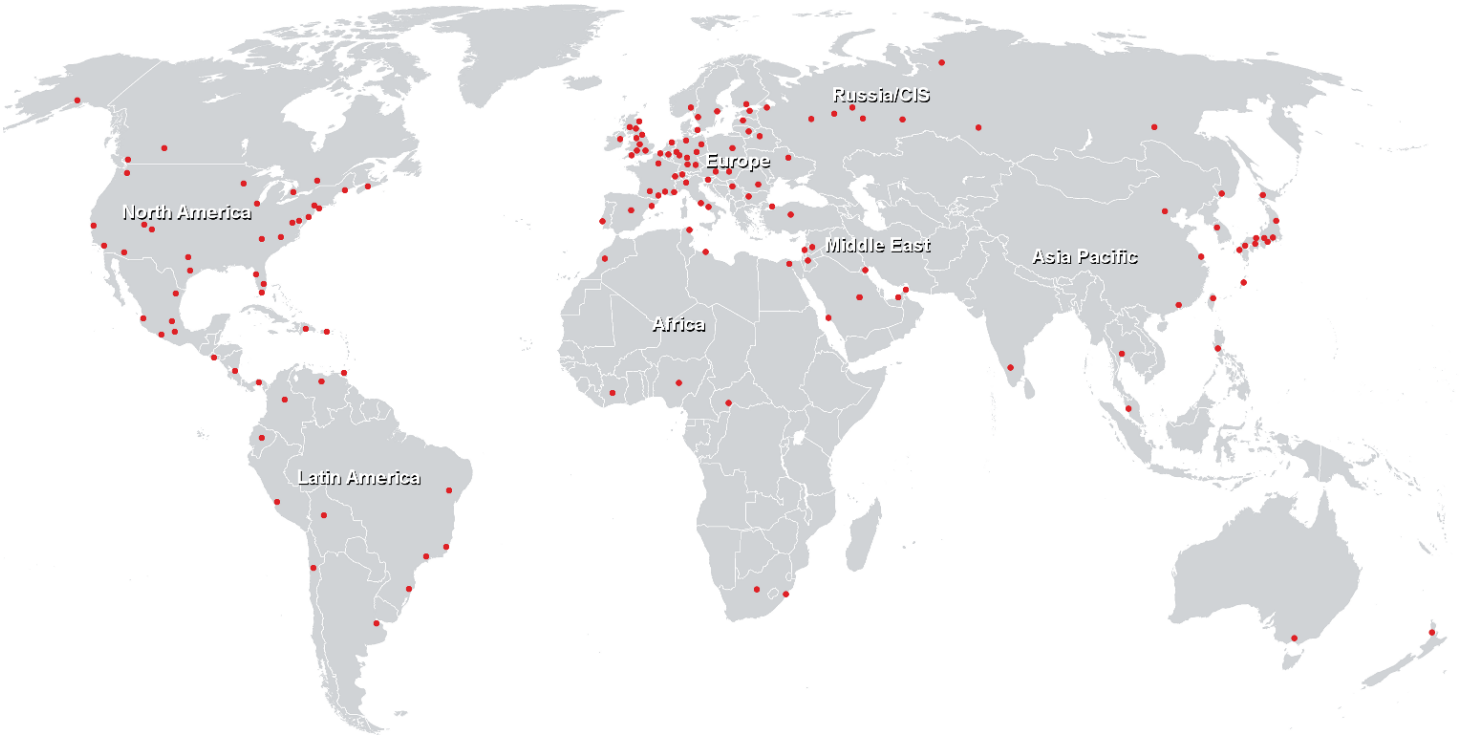
Troubleshooting SQL Server 2025

- Reasons of performance bottlenecks
- Getting to know the tools performance monitoring, profiler, extended events, database optimization advisor, data collector, query store, performance dashboard
- Strategic analysis and troubleshooting of performance bottlenecks
- Auto tuning of the SQL server

Introduction to hybrid SQL server operation with the cloud

Master Class: Microsoft SQL Server (SQLSMC)

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