

# Master Class: Building a Data Warehouse in SQL 2022 (BDWSQL22MC)

**ID** BDWSQL22MC **Price** CHF 4,990.—(excl. VAT) **Duration** 5 days

## Who should attend

The target group are developers and architects who are planning to set up a data warehouse system.

You will gain an overview of the layers of a DWH system and finally learn how the various components interact.

## Prerequisites

Basic knowledge in the following areas is desirable:

- Relational databases
- Language TSQL

## Course Content

### Overview of a data warehouse architecture

- Understanding the Layer Stage, Core Datawarehouse and DataMart

### Basics of a data warehouse database

- Special features of a data warehouse database
- Familiarization with data models Starschema, Snowflag Schema, full historization and Data Vault models
- Modeling of dimension and facts
- Optimization concepts for large databases (partitioning, compression, indexing)

### Setting up a data warehouse load with Microsoft Integration Services

- Introduction to Integration Services
- Getting to know the SSIS transformation tasks
- Parameterization and configuration of Integration Services packages
- Deployment and operation of integration services

### Implementation of a quality assurance layer

- Introduction of Data Quality Services
- Implementation of customized quality assurance with integration services

### Creating DataMarts with Microsoft Analysis Services (Multidimensional and Tabular)

- Creating cubes
- Deployment von Cubes
- Updating cubes

### Overview of reporting tools

- Introduction to Power BI and Paginated Reports (SSRS)

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## Training Centres worldwide



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