Query and modify data with Transact-SQL (DP-080T00)

ID DP-080T00 **Price** CHF 1,870.—(excl. VAT) **Duration** 2 days

Who should attend

This course can be valuable for anyone who needs to write basic SQL or Transact-SQL queries. This includes anyone working with data as a data analyst, a data engineer, a data scientist, a database administrator or a database developer. It can also be useful for others peripherally involved with data, or wanting to learn more about working with data such as solution architects, students and technology managers.

Course Content

Introduction to Transact-SQL

- Introduction
- Work with schemas
- Explore the structure of SQL statements
- Examine the SELECT statement
- Work with data types
- Handle NULLs
- Exercise - Work with SELECT statements
- Module assessment
- Summary

Sort and filter results in T-SQL

- Introduction
- Sort your results
- Limit the sorted results
- Page results
- Remove duplicates
- Filter data with predicates
- Exercise - Sort and filter query results
- Module assessment
- Summary

Combine multiple tables with JOINs in T-SQL

- Introduction
- Understand joins concepts and syntax
- Use inner joins
- Use outer joins
- Use cross joins
- Use self joins
- Exercise - Query multiple tables with joins
- Module assessment
- Summary

Write Subqueries in T-SQL

- Introduction
- Understand subqueries
- Use scalar or multi-valued subqueries
- Use self-contained or correlated subqueries
- Exercise - Use subqueries
- Module assessment
- Summary

Use built-in functions and GROUP BY in Transact-SQL

- Introduction
- Categorize built-in functions
- Use scalar functions
- Use ranking and rowset functions
- Use aggregate functions
- Summarize data with GROUP BY
- Filter groups with HAVING
- Exercise - Use built-in functions
- Module assessment
- Summary

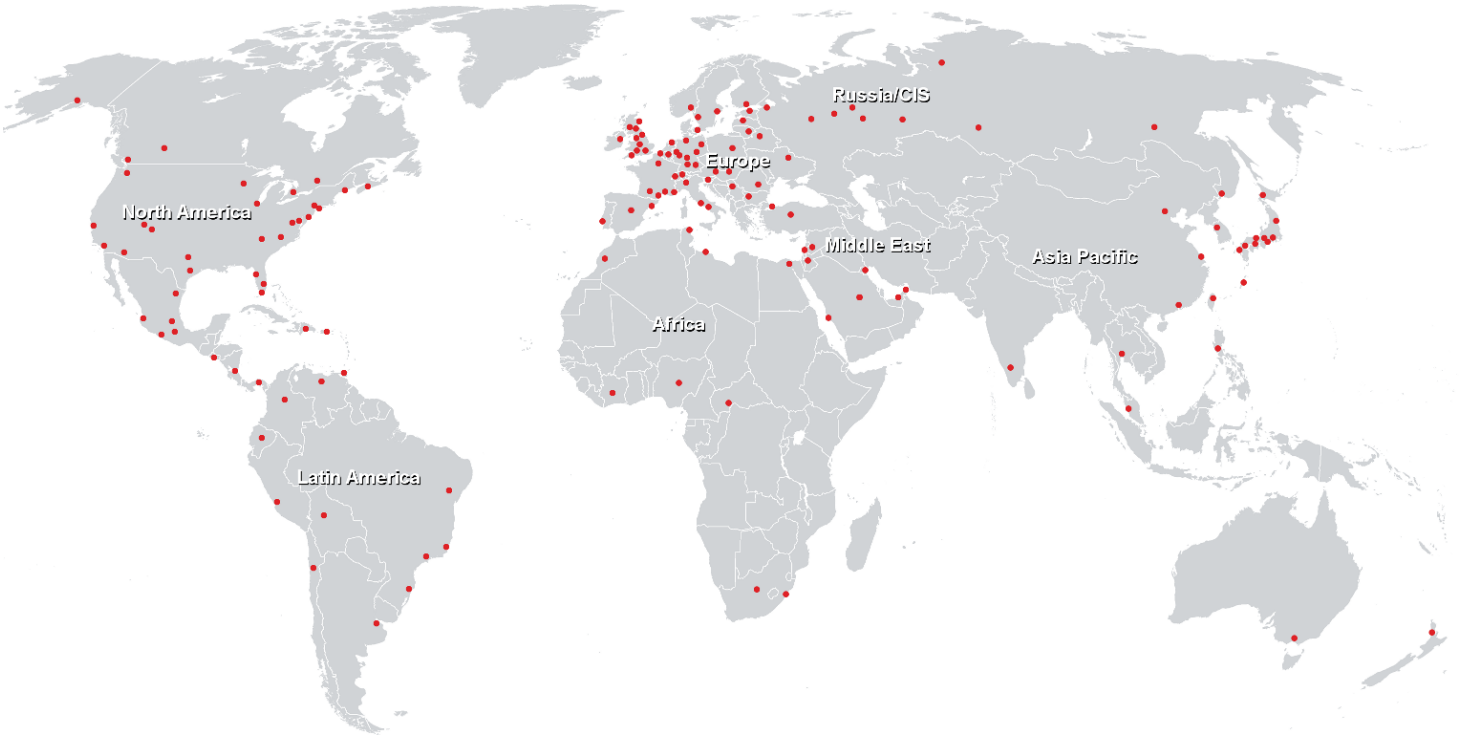
Modify data with T-SQL

- Introduction
- Insert data
- Generate automatic values
- Update data
- Delete data
- Merge data based on multiple tables
- Exercise - Modify data
- Module assessment
- Summary

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