Szkolenie: Microsoft
MS-50578 Microsoft MDX

Microsoft Partner

DOSTĘPNE TERMINY

2026-12-07 | 3 dni | Kraków / Wirtualna sala
2026-12-16 | 3 dni | Warszawa / Wirtualna sala

Cel szkolenia:

MS-50578 MDX with Microsoft Analysis Services: “How to ask questions and get accurate answers from your data” course is designed to take a person from the very beginning of MDX queries to journeyman. You will understand the patterns, from which you can examine examples and build on them to code your own sophisticated queries.

Queries such as:

- What are the top 5 customers by country over the last 8 quarters?
- What is our reorder point based on inventory levels?
- What are our best customers in terms of volume and gross profit?
- What effect does shipping cost have on profitability on a geographical distribution?
- How do we calculate the Year to Date value?
- How do we do Year-over-Year growth?
- When looking at manufacturing how do we account only for workdays?

Audience profile:

If the past is any indicator of the future then this course will be attended mainly by SQL Professionals, Microsoft Analysis Service cube and report developers and Business Intelligence Professionals coming from competing platforms. But you do not need those skills. The course was not written assuming those skills.

Why this course may be for you:

- Your company is moving or implementing Microsoft SQL Server Analysis Services.
- Your organization is implementing Department Business Intelligence with a Data Mart.
- You want to develop a skillset in high demand.
- The current reports from the cubes do not provide the answers.
- Your organization wants you to get grounding in MDX so you can build out advanced analytics.

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Plan szkolenia:

- The Microsoft Business Intelligence Stack
  - What Business Intelligence can do for your organization
  - What to watch out for in implementation
  - The Scope and what types of tools address each?
- Getting Started with MDX
  - MultiDimensional VS Tabular Space
  - Data Warehouse Data Mart
  - MDX Introduction
  - The Editors
- Dimensions
  - Dimensions
  - Dimension Attributes
  - Hierarchies
  - Referencing Members
  - Tuples
  - Cells
  - Sets
  - Set Functions
- Navigation of relatives
  - Navigation in reporting
  - Relatives
  - Navigational Functions
  - Controlling Sorting
  - Filtering the results
  - How to combine a set
- MDX Calculations
  - Expressions
  - Calculated members
  - Formatting output through the With clause
  - Dynamic Expressions
  - IIF function
  - Statistical Functions
  - Determining which tuples satisfy a parameter in a report
- Working with Time. Multiple calendars, divergent horizons

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- Time Dimension
- Multiple calendars
- Time based Functions
- ParallelPeriod
- OpeningPeriod
- ClosingPeriod
- LastPeriod
- Year-To-Date
- Calculated Measures and a time Dimension
- Comparing Periods
- Sum Function
- Aggregate Function
- Max and Min Function in Time

- Business Insights
  - Or logic
  - And Logic
  - Combining Or and And logic from different hierarchies
  - Logical And with members from the Same
  - Using the NonEmpty function
  - Moving Averages
  - Last date with data
  - ParallelPeriod for Multiple Dates
  - Testing current context
  - Options of the Descendants function
  - Ranking Values
- SQL Reports
  - Create a SSRS report
  - Create a connection into the cube
  - Create a MDX query with the query designer
  - Create a custom query
  - Pass a parameter
  - PerformancePoint Services Dashboard Designer
- KPIs and MDX in the Business Intelligence Development Studio Editor
  - Use Business Intelligence Development Studio to create a named calculation in the cube
  - Use Business Intelligence Development Studio to create KPIs

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Wymagania:

Before attending this course, students should have:

- A good idea of what direction their organization wants to go with Business Intelligence
- Basic Microsoft interface skills such as working with Excel.

Poziom trudności



Certyfikaty:

Certyfikat ukończenia **autoryzowanego kursu Microsoft**.

Prowadzący:

Microsoft Certified Trainer.

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