



MDX Essentials

This one-day hands-on, instructor led course will guide you through how to utilise the Multidimensional Expression (MDX) query language for SQL Server Analysis Services. You will learn a practical approach to solve real-world problems using MDX expressions, calculations and queries, which will provide you the ability to extract valuable information. At the end of the course you will have skills and experience in developing MDX expressions, formulas, KPIs, calculations and queries and will take home many useful, real-world examples to adapt to your own environments.

Who Should Attend:

This course is designed for anyone who uses Microsoft Analysis Services and wants to gain a greater understanding of MDX. This includes report writers, business analysts and anyone that designs and builds OLAP solutions.

Course Prerequisites:

Before attending this course, participants should have:

- An understanding of basic database design, administration, and implementation concepts

Participants should also have an understanding of basic OLAP database concepts in SQL Server Analysis Services, including:

- Creating databases, dimensions, and cubes
- Creating simple calculated members
- Working with shared and private dimensions
- Processing a cube

Course Objectives:

After completing this course, participants will be able to:

- Construct and execute MDX queries
- Work with tuples, sets, and expressions
- Develop sets to retrieve the data users need
- Perform aggregation functions and navigate data hierarchies
- Customize an Analysis Services cubes using MDX
- Develop MDX-driven reports in SQL Server Reporting Services

Course Code: MDXE
Course Duration: 1 Day

Course Summary

Module 1: MDX Foundations

Module 2: Using MDX Expressions

Module 3: Retrieving Values from a Cube

Module 4: Creating MDX Statements

Module 5: Creating and Manipulating Sets

Module 6: Using Aggregation Functions

Microsoft Partner

Gold Business Intelligence
Gold Data Platform
Silver Learning

www.wardyit.com

contact@wardyit.com

Call 1300 927 394 to register for this course today as places are strictly limited.



Course Outline

Module 1: MDX Foundations

- MDX Overview
- MDX Member Names
- Working with Calculated Members

Module 2: Using MDX Expressions

- Using MDX Expressions
- Displaying Member Information
- Displaying Family Tree Relatives
- Working with Member Properties
- Using Conditional Expressions

Module 3: Retrieving Values from a Cube

- Understanding Multidimensional Coordinates
- Retrieving a Value from a Cube
- Percent of Total Calculations
- Growth Calculations

Module 4: Creating MDX Statements

- Overview of MDX Query Statements
- Creating MDX Query Statements

Module 5: Creating and Manipulating Sets

- Using Set Creation Functions
- Using Set Manipulation Functions
- Using Subquery Set Functions
- Working with Dimension Interactions

Module 6: Using Aggregation Functions

- Understanding Aggregation Functions
- Summing Values from a Set
- Using Time Set Functions
- Calculating Trends