

	<h1>Advanced Data Access with Microsoft Visual Studio 2005</h1>	M2542 2 day
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Overview :

Elements of this syllabus are subject to change.

This two-day instructor-led workshop provides students with the knowledge and skills needed to use advanced data access features and techniques in the Microsoft .NET Framework and Microsoft Visual Studio 2005. The workshop describes how to access data and how to implement database functionality by using Microsoft ADO.NET 2.0 and Microsoft SQL Server 2005. The workshop also describes how to locate, edit, and transform XML by using XPath and Extensible Style sheet Language for Transformations (XSLT).

Target Audience :

This workshop is intended for corporate and Independent Software Vendor (ISV) application developers who have a desire to learn more about specific technology areas in distributed application development.

At the end of the course, delegates will be able to:

- Minimize and handle database operation conflicts.
- Handle large objects.
- Enhance database performance.
- Create managed code objects for SQL Server 2005.
- Query XML by using XPath.
- Transform XML by using XSLT style sheets.

Course Content :**Unit 1: Minimizing and Handling Database Operation Conflicts**

- Why Do Data Conflicts Arise?
- Isolation Levels Available in SQL Server 2005
- Guidelines for Using SQL Server 2005 Isolation Levels

Unit 2: Handling Large Objects

- What Are Binary Large Objects and Character Large Objects?
- The Process for Reading Large Objects from a Database
- The Process for Writing Large Objects to a Database

Unit 3: Enhancing Database Performance

- ADO.NET Enhancements in the .NET Framework 2.0
- SQL Server Provider Statistics

Unit 4: Creating Managed Code Objects for SQL Server 2005

- The Benefits of Creating Managed Code Objects
- Demonstration: The Process for Importing an Existing Assembly into SQL Server 2005
- Demonstration: The Process for Implementing Managed Code Objects in SQL Server 2005

Unit 5: Querying XML by Using XPath

- The XPath Data Model
- The Process for Selecting and Editing XML Data by Using XPathNavigator
- The Process for Evaluating XPath Expressions by Using XPathNavigator

Unit 6: Transforming XML by Using XSLT Style Sheets

- What Is XSLT?
- The Process for Executing an XSLT Style Sheet

What Are Extension Objects?**Course Prerequisites :**

Before attending this workshop, students must:

- Have attended or studied Workshop 2541, Core Data Access with Microsoft Visual Studio 2005, or possess equivalent knowledge and skills.
- Know how to use delegates.
- Be able to use database stored procedures, triggers, and aggregates.
- Be able to explain XPath concepts and basic syntax.
- Be able to explain XSLT style sheet concepts.

Testing and Certification :**Follow on Courses :****Further Information :**

M2542/	For more information, or to book your course, please call Global Knowledge Denmark Address: Kirkebjerg Alle 88, 2605 Brøndby Telephone: +45 44 88 18 00 Email: training@globalknowledge.dk Web: www.globalknowledge.dk	
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