

6464 Visual Studio 2008: ADO.NET 3.5

Days of Training: 2

Overview

This course provides students with the knowledge and skills to access and modify data by using ADO.NET 3.5.

Prerequisites

Experience developing applications by using previous versions of Microsoft Visual Studio

Next Steps

6463 Visual Studio 2008: ASP.NET 3.5

Lesson 1: Getting Started with ADO.NET 3.5

- Introduction to ADO.NET 3.5
- Connecting to a Database and Retrieving Data
- Best Practices for Managing Connections and Performing Queries

Lesson 2: Modifying Data by Using ADO.NET Commands

- Inserting, Updating, and Deleting Data
- Managing Data Integrity and Concurrency

Lesson 3: Querying and Maintaining Data by Using DataSets

- Creating and Using a DataSet to Retrieve Data
- Updating a Database by Using a DataSet
- Using a DataSet in an Occasionally Connected Environment

Lesson 4: Querying and Maintaining Data by Using LINQ

- Querying In-Memory Data by Using LINQ Query Expressions
- Retrieving Data by Using LINQ to SQL
- Modifying Data by Using LINQ to SQL

Lesson 5: Implementing an Entity Model by Using the ADO.NET Entity Framework

- Creating an Entity Data Model by Using the ADO.NET Entity Framework
- Querying and Modifying Data by Using the ADO.NET Entity Framework

Lesson 6: Building Occasionally Connected Solutions by Using Synchronization Services

- Understanding Microsoft Synchronization Services
- Downloading Data by Using Synchronization Services
- Uploading Data by Using Synchronization Services

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