

# Complete ADO.NET for developers

A 2 day **Hands on** training course



## Description

This ADO.net training course is designed to enable developers to use the toolset provided with .NET for data access including ADO.net objects, data controls, designers and interoperability with earlier ADO objects. The course is applicable for those using C# or VB.NET with ADO.NET



## Key outcomes

By the end of the course delegates will be able to:

- ✓ Retrieve and manipulate data using Microsoft's ADO.NET library.
- ✓ Work with the ADO.NET object model.
- ✓ Update data, including handling stored procedures, parameters, and return value.
- ✓ Search, sort and filter data.
- ✓ Leverage the power of XML.



## Training Approach

This structured course uses Instructor Led Training to provide the best possible learning experience. Small class sizes ensure students benefit from our engaging and interactive style of teaching with delegates encouraged to ask questions throughout the course. Quizzes follow each major section allowing checking of learning. Hands on sessions are used throughout to allow delegates to consolidate their new skills.



## Details

### Who will benefit?

Programmers working with ADO.Net.

### Prerequisites

VB.net or Introduction to C#.

**Duration:** 2 days

**Overall rating:**



### Generic Training



Generic training compliments product specific courses covering the complete picture of all relevant devices including the protocols "on the wire".

*"Friendly environment with expert teaching that teaches the why before the how."*  
G.C. Fasthosts

### Small Class Sizes



We limit our maximum class size to 8 delegates; often we have less than this. This ensures optimal interactivity between delegates and instructor.

*"Excellent course. The small class size was a great benefit..."*  
M.B. IBM

### Hands On Training



The majority of our courses use hands on sessions to reinforce the theory.

*"Not many courses have practice added to it. Normally just the theoretical stuff is covered."*  
J.W. Vodafone

### Our Courseware



We write our own courses; courseware does not just consist of slides and our slides are diagrams not bullet point text.

*"Comprehensive materials that made the course easy to follow and will be used as a reference point."*  
V.B. Rockwell Collins

### Customise Your Course



Please contact us if you would like a course to be customised to meet your specific requirements. Have the course your way.

*"I was very impressed by the combination of practical and theory. Very informative. Friendly approachable environment, lots of hands on."*  
S.R. Qinetiq

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## Course Content

### Introducing ADO.Net

- Traditional Data Access Architecture.
- ADO.Net Disconnected Data Access Architecture.
- Different components of ADO.Net.

### A review of basic SQL queries

- SQL SELECT Statement.
- SQL INSERT Statement.
- SQL UPDATE Statement.
- SQL DELETE Statement.

### Common data access tasks with ADO.Net

- Accessing Data using ADO.Net.
- Defining the connection string.
- Defining a Connection.
- Defining the command or command string.
- Defining the Data Adapter.
- Creating and filling the DataSet.

### A Demonstration Application

- The Interface.
- Loading the table.
- Filling the controls on the Form.
- Navigating through the records.

### Updating Data

- Steps for updating the table.
- Building the Application.
- Loading the table and displaying data in the form's controls.
- Initialising Commands.
- Adding Parameters to the commands.
- The ToggleControls() method of our application.
- Editing (or Updating) Records.
- Event Handler for the Save Button.
- Event Handler for the Cancel Button.
- Inserting Records.
- Deleting a Record.

### Using Stored Procedures

- Sample Stored Procedures.
- UPDATE Stored Procedure.
- INSERT Stored Procedure.
- DELETE Stored Procedure.
- SELECT Stored Procedure.
- Using Stored Procedures with ADO.Net.

## What our customers say

*"Absolutely brilliant, very knowledgeable and helpful trainer would recommend to teach anyone. Kept me interested 100% of the time which is very impressive as this does not happen often, if at all!"*

O. B. Network Rail

*"The best technical course I've been on!"*

L. W. Fujitsu Telecoms Europe

*"Very well thought out and structured course. Would recommend 100%. Lots of equipment, good quality."*

A.R. Unipart

*"Course content is interesting. Relevant to current systems and presented well."*

S.S-T. Arqiva

