



Developing Microsoft ASP.NET Web Applications Using Visual Studio .NET

Course Data

Code: M2310
Price: £1,595
Duration: Five days

Location

- Wokingham
- London(City)
- Coventry
- Wakefield
- Client Site

Course Origin

Microsoft

This five-day instructor-led course will teach Microsoft Visual Basic® programmers and beginning Web developers the fundamentals of Web application site implementation by using Microsoft ASP.NET and Microsoft Visual Basic .NET. This course focuses on using the Microsoft Visual Studio® .NET environment and the Microsoft .NET platform to create an ASP.NET Web application that delivers dynamic content to a Web site.

This course is intended for developers with little or no experience in ASP.NET as well as Web developers who have knowledge of the Hypertext Markup Language (HTML) or dynamic HTML (DHTML), along with some knowledge of a scripting language, such as Visual Basic Scripting Edition or Microsoft JScript®. This course is also appropriate for Visual Basic 6.0 developers wanting to learn ASP.NET.

Course Objectives

Upon completion of this course, the delegate will be able to:

- Explain the Microsoft .NET Framework and ASP.NET
- Create a component in Visual Basic .NET or C#.
- Create an ASP.NET Web application project by using Visual Studio .NET.
- Add server controls to an ASP.NET Web Form.
- Create and populate ASP.NET Web Forms.
- Add functionality to server controls that are on an ASP.NET Web Form.
- Use the Trace and Debug objects that are provided with Visual Studio .NET.
- Use validation controls to validate user input.
- Create a user control.
- Accomplish complex data access tasks from an ASP.NET Web application.
- Access Extensible Markup Language (XML) data and read it into a DataSet.
- Call an XML Web service from an ASP.NET Web application and incorporate the returned data into a Web application.
- Store application and session data by using a variety of methods.
- Configure and deploy an ASP.NET Web application.
- Secure an ASP.NET Web application by using a variety of technologies.

Course Content

This covers the following topics: -

- Overview of the Microsoft .NET Framework
- Using Microsoft Visual Studio .NET
- Using Microsoft .NET-Based Languages
- Creating a Microsoft ASP.NET Web Form
- Adding Code to a Microsoft ASP.NET Web Form
- Tracing in Microsoft ASP.NET Web Applications
- Validating User Input
- Creating User Controls
- Accessing Relational Data Using Microsoft Visual Studio .NET
- Accessing Data with Microsoft ADO.NET
- Calling Stored Procedures with Microsoft ADO.NET
- Reading and Writing XML Data
- Consuming and Creating XML Web Services
- Managing State
- Configuring, Optimising, and Deploying a Microsoft ASP.NET Web Application
- Securing a Microsoft ASP.NET Web Application
- Review

Course Prerequisites

Delegates are required to meet the following prerequisites:

- Have the ability to create HTML or DHTML, including: Tables, Images, Forms
- Programming experience using Visual Basic .NET, including: Declaring variables, Using loops, Using conditional statements
- Delegates can satisfy the prerequisites for this course by completing M1912—Introduction to Web Development Technologies.
- In addition, it is recommended, but not required, that delegates have completed:
- M2559—Introduction to Visual Basic .NET programming
- M2373—Programming with Microsoft Visual Basic .NET

Testing and Certification

This course, along with other courses listed below are recommended for the following exams:-

- M2310, M2373 & M2389 - Developing and Implementing Web Applications with Microsoft Visual Basic® .NET and Microsoft Visual Studio® .NET(Microsoft Exam 70-305)
- M2310, M2124 & M2389 - Developing and Implementing Web Applications with Microsoft Visual C#TM .NET and Microsoft Visual Studio & eg: .NET (Microsoft Exam 70-315)