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# **Programming XML with .NET**

**Duration: 3 Days**

## **Overview:**

Aspect Training's course teaches developers how to program with XML in the Microsoft® .NET Framework in order to build Microsoft Windows® or Web-based integrated applications that are easier to build, scalable, and flexible

## **Prerequisites:**

Experience or either VB.NET or C# within the Visual Studio Environment is required. Previous knowledge of XML would be useful but is not essential.

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## Course Topics:

### **Introduction to XML in the .NET Framework**

Overview

Course at a Glance

Common Business Problems

XML in the .NET Framework

### **Parsing XML**

Overview of XML Parsing

Parsing XML Using XmlTextReader

Creating a Custom Reader

### **Validating XML**

Examining Schemas

Validating XML While Parsing

Advanced Validation

### **Writing XML**

Overview of Generating XML Documents

Writing XML

Generating XML with Namespaces

Controlling XML Format and Converting XML

### **Querying XML**

Introduction to Querying XML Using Xpath

Creating and Navigating a Document Cache

Executing Your Query

### **Manipulating Cached XML**

Introduction to the XML Document Object Model

Navigating XML Using the DOM

Creating New Nodes

Modifying and Deleting Nodes

### **Transforming XML**

Introduction to Transforming XML

Programmng the XslTransform Class

Extending XSLT Style Sheets

### **Serializing Objects as XML**

Introduction to XML Serialization

Serializing Objects Using XmlSerializer

Controlling XML Serialization