

.NET Training: Professional XML Programming (NFXML, 4 jours)

Description

The course Professional XML Programming (.NET Training) covers every aspect of XML development in .NET. Starting with XML basics such as well-formedness and validity, the training explores DTDs, schemas & XSL stylesheets. The course also covers LINQ for XML, web services, WCF & ASP .NET AJAX.

Tarifs

- Tarification: \$3,750/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

Plan de cours

Application Architecture

The Need for XML

Application Tiers: 1, 2 and 3-tiered applications

Distributed Applications: Technology and Infrastructure

Web Applications: Technology and Infrastructure.

.NET Enterprise Architecture

XML Document Basics

Well Formed XML Documents

Using Entities

Well-Formed XML Summary

XMLDOM and XPath

Document Validation: DTDs

Document Validation Basics

DTDs (Document Type Definition)

Linking DTDs to XML Documents

Using Entities

Using Notations

Document Validation: Schemas

Namespaces

XSD Schemas

Simple and Complex Data Types

Using Element Groups

Attribute Groups

Creating Custom Types

Including Comments

Using Schemas

XSL Stylesheets

XSL Stylesheets (Extensible Stylesheet Language)

The Output Format

The Templates

Static XSL References

An HTML Example

XSL Variables

XSL Parameters

XSL Conditional Elements

XSL Loops

Other Useful XSL Elements

Creating Document Elements and Attributes

XML Programming with the .NET Framework

Serialization

About Custom Serialization

XML Document Manipulation

Validating XML Documents

Creating XML Documents

Transforming XML Documents

LINQ for XML

The System.Xml Namespace

The System.Xml.Linq Namespace

Using the XDocument and XNamespace Classes

Introduction to LINQ for XML

Advanced LINQ for XML

Integrating LINQ for XML in your Applications

Accessing Remote Objects

Introducing Windows Communication Foundation (WCF)

Creating a WCF Service

Creating a WCF Client

About Object Serialization and Marshalling

WCF Security and Data Considerations

Integrating WCF into an Application

Creating Web Services

XML Web Service Concepts and Terminology

Defining the Interface: Exploring WSDL and SOAP

Creating a Web Service

Creating a Web Service Client

Securing a Web Service

Ensuring Web Service Compatibility with Bindings

Web Services and Windows Applications

Web Services and Web Applications

Using ASP.NET AJAX

ASP.NET AJAX Overview

AJAX Technology and Considerations

Using the ScriptManager and UpdatePanel Controls

Invoking Asynchronous Methods

Integrating AJAX into your Applications