

.NET Training: Object Oriented Programming with C# .NET (NFICS, 4 jours)

Description

The course Object Oriented Programming with C# .NET (.NET Training) explores C# programming using Visual Studio .NET. The training includes the basics of C# .NET as they apply to object oriented programming. The course covers .NET classes, methods, properties & events. Inheritance, polymorphism, collections, abstract classes, interfaces, file IO & generics are also included. The course concludes with a discussion on database access & user interface implementation with C# .NET.

Tarifs

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

Plan de cours

The .NET Framework

.NET Framework Versions and Capabilities

The Anatomy of a .NET Application: From Data to GUI

Exploring Assemblies and Namespaces

Why Object Oriented Programming is Critical to your Efforts!

The Visual Studio .NET Environment

The .NET Answer

Debugging

The Rational Unified Process

RUP Overview

Inception

Elaboration

Construction

Transition

About Functional Requirements

About Non-Functional Requirements

Creating Classes

Using Classes

Creating Classes

Class Properties

Object Methods

Constructors

Destructors

Static Data

Performance Overview

Inheritance and Polymorphism

Inheritance

Inheritance and Constructors

Polymorphism

Abstract Functions and Classes

Working with Interfaces

Working with Objects

- Object Operators
- Reflection
- Exception Handling
- Working with Generics
- About Serialization
- File IO
- Operator Overloading

Building a Data Access Layer

- ADO .NET Overview
- Making a Database Connection
- Using SqlDataReader for Connected Access
- Providing Client Side Data using DataSet
- Updating the Database
- LINQ for SQL Overview
- About Using MEL

Building a GUI

- Choosing an Interface Type: Windows or Web?
- Building the Web Form
- Adding Basic Controls
- Implementing Behaviour with Event Handlers
- Validating Data
- Using Master Pages
- Using Themes
- About State Management
- A Note on ASP .NET MVC

XML Web Services

- XML Web Service Architecture
- Creating a Web Service
- Creating a Web Service Client
- About Object Marshalling from Service to Client

Deployment

- About Application Configuration Files
- Private versus Public DLLs
- Creating an MSI Package
- Deploying the Application