

VB.Net Programming

Duration

2 days

Description

This course is designed as an introduction for those who wish to use Visual Basic.net and the .net Framework to create applications and utilities

Prerequisites

Those attending should have a good working knowledge of Windows. Some programming experience, preferably in BASIC or a similar high level language is recommended.

A First VB.NET Application

The Start Page
Windows Application Enhancements
Visual Studio Environment

Coding

Events and Event-Driven Programming
What is an Event?
Event Procedure Stubs
Writing Code
Program Comments
Line Continuation Character (_)
Code Overview
Loop Structures

Visual Basic Debugger

Debug/Immediate Window
The Command Window
Debug Menu
The Locals Window
The Autos Window
The Me Window
The Watch Window
Breakpoints

Data

Variables
The Dim Statement
Variable Scope
Visual Basic Data Types
Numeric Data Types
Other Data Types
Constants
Data Operations
Arithmetic Operations
Order of Operations
Comparison Operators
Logical Operators

Conditional Structures

If...Then
If ... Then ... Else
If ... Then ... Elself
Select...Case

Loops

Why Loops?
For...Next Loop
Variations on For ... Next
Do ... Loops
Do While ... Loop
Do ... Loop While
Do ... Until
Do ... Loop Until

Strings

What Is a String?
String Concatenation

Building Classes and Assemblies

Class Libraries
Compiling the Assembly
The .NET Framework Class Library

ADO.NET

The ADO.NET Family Tree
Building ADO.NET Applications
Objects for Disconnected Data
ADO and ADO.NET

Other

Files and Streams
Windows Application Deployment
Binding
Menus and Toolbars