



Microsoft .NET

Introduction

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Dyalog for Windows Version 10.1 includes an interface to the Microsoft .NET Framework.

This interface is the result of a collaborative effort that began when Microsoft invited Dyalog to participate in the .NET project in December 1999.

Working alongside Microsoft as the .NET Framework code was developed, Dyalog Ltd. has integrated Dyalog with .NET so that the features and capabilities of this powerful computing platform are available to Dyalog programmers.

The Microsoft .NET Framework is a highly object-oriented technology whose functionality is implemented in terms of .NET Classes. It comes with a huge number of built-in classes for performing all manner of tasks, including an object-oriented implementation of the Windows GUI and a set of classes for developing Internet applications.

Dyalog for Windows provides syntax for using .NET classes from APL that closely follows the syntax used by other programming language. Dyalog makes it as easy to use .NET classes from APL as from C# or VB. Furthermore, sample C# and VB code published in help files and manuals can readily be transposed into the APL environment.

Not only is it easy to use .NET classes in an APL application, it is also very simple to write new classes in Dyalog which can then be exploited by other programming languages and development environments. For example, you could write a class that exposed a whole set of actuarial formulae and calculations (easily and efficiently expressed in APL) which can then be called directly by an application written in Visual Basic, or from an Excel spreadsheet.

Requirements

The Dyalog for Windows interface to .NET requires a computer running Windows 2000 or Windows XP Professional with the following elements installed:

- Microsoft .NET Framework SDK V1.1.4322 or higher
- Microsoft Internet Information Services (IIS) 5.0 or 5.1
- Microsoft Internet Explorer Version 6.00.

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