

# NetCOBOL for .NET



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## Executive Summary

The only COBOL for .NET that produces verifiable code, Fujitsu Software's NetCOBOL® for .NET includes an enhanced COBOL compiler with language extensions and a code generator targeting Microsoft's Intermediate Language (MSIL), support for ASP.NET and XML Web services, and integration with the Visual Studio® .NET Integrated Development Environment.

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## Introducing NetCOBOL for .NET

Microsoft's .NET Framework is a rich programming platform that provides a true multi-language execution environment: the Common Language Runtime. Recognizing the benefits to be gained by COBOL applications and programmers in this environment, Fujitsu is enthusiastic about providing a well-integrated COBOL solution on the .NET platform.

## Leveraging your Legacy Assets

NetCOBOL® for .NET leverages your valuable COBOL assets by recompiling your existing COBOL business logic with the NetCOBOL compiler and extending its capabilities with the rich feature set provided by the .NET Framework. This makes it easy to develop sophisticated XML Web services applications, Web browser interfaces, Windows® rich client interfaces, and database applications.

The .NET Framework provides seamless interoperability with other programming languages and ensures that you won't be left behind by new technology developments. NetCOBOL for .NET includes Microsoft's Visual Studio® .NET, which provides an award-winning

development environment and tools for all of your .NET programmers.

## Benefits of NetCOBOL for .NET

A partial listing of the benefits of NetCOBOL for .NET is:

- Interoperability with other .NET languages, including object-oriented inheritance
- Faster application development using the Visual Studio .NET designers for Windows Forms, Web Forms, and Web Services and Components
- Migration of mainframe CICS applications with the help of NeoKicks™
- Easier access to system services
- Easier application deployment
- Interoperability with COM and existing native code compilers
- Use of the large and well-designed .NET Framework class library
- Use of tools developed for the Common Language Runtime (CLR)
- Easier Internet and database access

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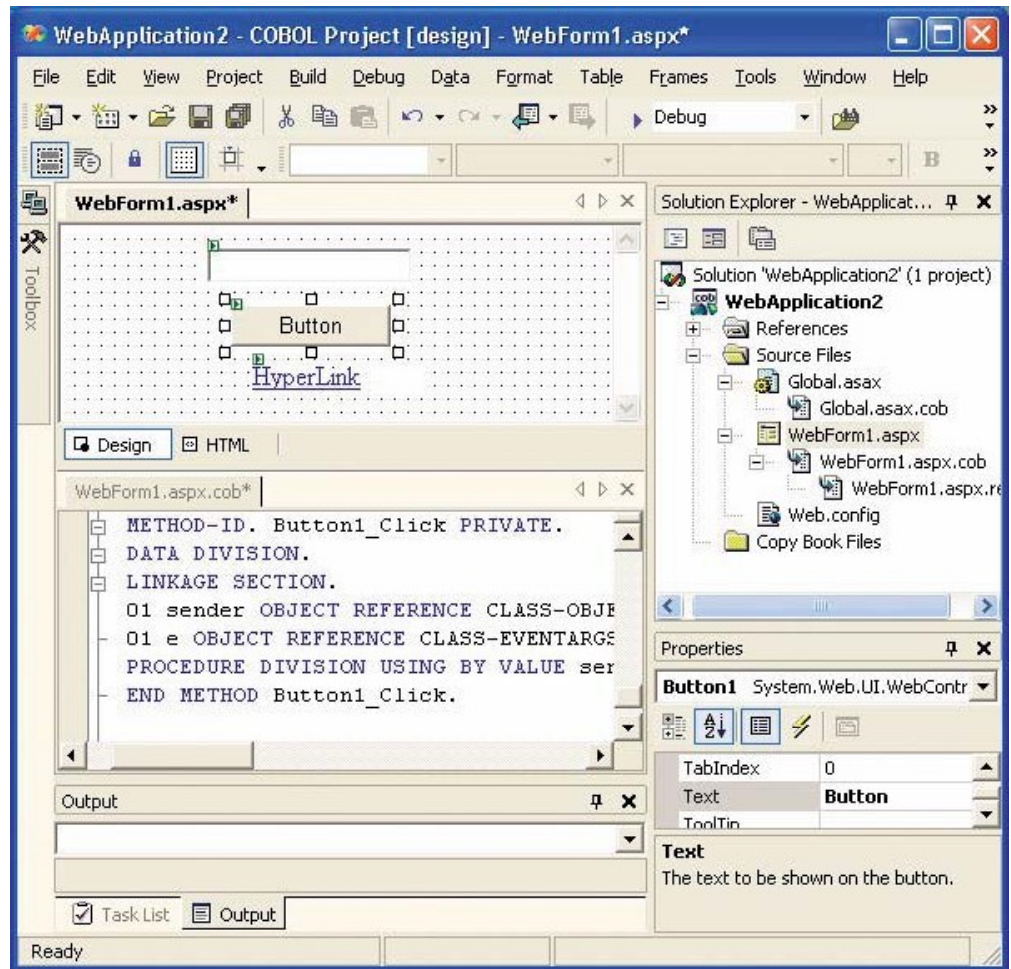
The Fujitsu logo, consisting of the word "FUJITSU" in a bold, red, sans-serif font. Above the letter "J" is a stylized infinity symbol or a loop.

## Designer Support

NetCOBOL for .NET is the only COBOL compiler that is fully integrated with Visual Studio .NET, including important features such as support for Visual Studio's Web Forms, Windows Forms and Component/Web Services Designers. You can define and use numerous .NET elements including:

- Enumerations
- .NET arrays
- Interfaces
- Custom attributes
- Access attributes
- Delegates and events
- Program prototypes
- Static members

This means you can use COBOL code to support Web and Windows Forms and to create Web Services, extending your COBOL skills to work with the latest technologies. It also means that screens migrated to .NET using Fujitsu's NeoKicks product can be enhanced using these user-friendly designers, while you or your developers continue to work in the language you know best.



Above: The beginnings of a simple ASP.NET page using the Web Forms Designer and NetCOBOL.

## IntelliSense Coding Aids

IntelliSense® is a Visual Studio feature that speeds coding by sensing what you are entering and offering assistance to complete the statement, such as:

- Lists of available items
- Lists of applicable methods
- Display of method syntax
- Quick info provided when cursor hovers over a COBOL item
- Syntax errors highlighted as you type

## Other Product Highlights

NetCOBOL for .NET features include:

- Verifiable (Web safe) code
- Embedded SQL supported
- USAGE POINTER items
- ANSI Code Page (ACP) to Unicode conversion routines
- Intrinsic conversions between COBOL and .NET data types
- Custom build steps
- Code outlining
- Embed COBOL in ASP.NET pages

