

Defining the Basic Elements of .NET

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Microsoft .NET is a set of Microsoft® software technologies for connecting your world of information, people, systems, and devices.

.NET is infused into the products that make up the Microsoft platform, providing the ability to quickly and reliably build, host, deploy, and utilize secure and connected solutions using XML Web services. The Microsoft platform provides a suite of developer tools, client applications, XML Web services, and servers necessary to participate in this connected world.

The Components of Microsoft .NET Connected Software



XML Web Services

Microsoft and others are developing a core set XML Web services – from authentication to calendaring – that can be combined with other XML Web services or used directly with smart client applications.

XML Web services are small, reusable applications written in XML, a universal language for data exchange. They allow data to be communicated across the internet (or internal intranet) between otherwise unconnected sources that are enabled to host or act on them, for example (as color coded in the diagram):

client-to-client, **client-to-server**, **server-to-server**, and **service-to-service**.



Smart Clients

"Smart" client application software and operating systems enable PCs and other smart computing devices to act on XML Web services, allowing anywhere, anytime access to information.



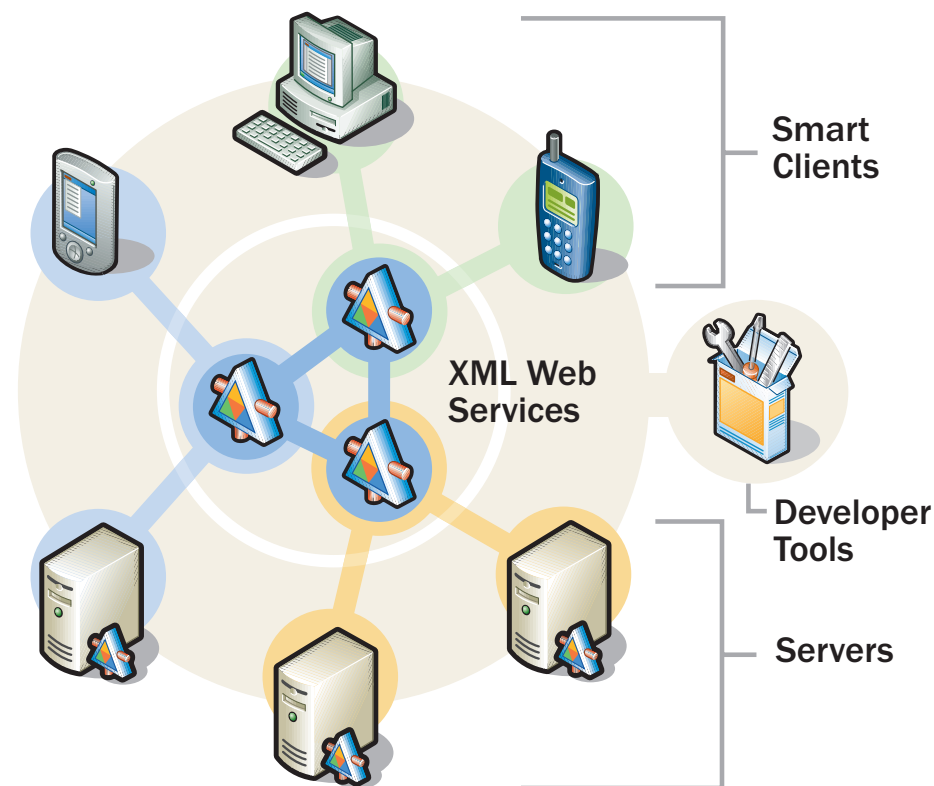
Servers

Microsoft provides the best server infrastructure for deploying, managing, and orchestrating XML Web services. This allows a common interface between existing applications within an environment of independent servers - including the Microsoft Windows® 2000 server family and the .NET Enterprise Servers.

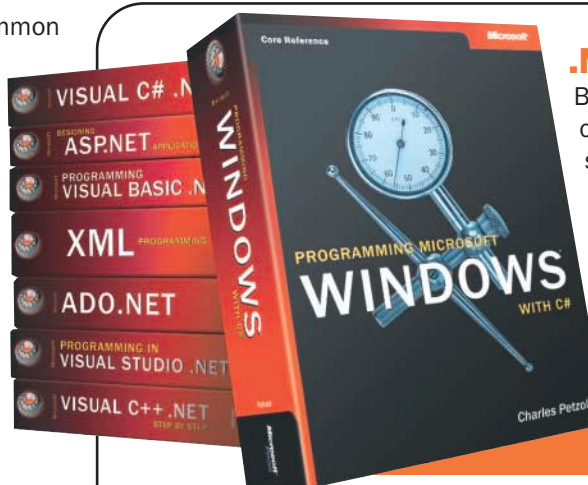


Developer tools

Microsoft Visual Studio® .NET and the Microsoft .NET Framework are a complete solution for developers to build, deploy, and run XML Web services.



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.NET Experiences

Building solutions with .NET technologies, you can create and connect to an infinite variety of secure, personalized .NET experiences. Individuals can enjoy rich, tailored interactions-.NET experiences-when XML Web services are pulled together, allowing access to information across the Internet and from standalone applications, online or offline.

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Michael Halvorsen



Upgrading Microsoft Visual Basic® .NET
Ed Robinson, Michael Bond, Robert Ian



Programming Microsoft Visual Basic® .NET
Francesco Balena



Programming Microsoft SQL Server 2000 with Microsoft Visual Basic® .NET
Rick Dobson



Microsoft Visual Basic® .NET Language Reference
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Coding Techniques for Microsoft Visual Basic® .NET
John Connell



Practical Standards for Microsoft Visual Basic® .NET
James D. Foxall



OOP: Building Reusable Components with Microsoft Visual Basic® .NET
Kenneth L. Spencer, Tom Eberhard



Programming Microsoft Windows with Microsoft Visual Basic® .NET
Charles Petzold



Designing Enterprise Applications with Microsoft Visual Basic® .NET
Robert Ian Oliver, Sarah Mallavarapu



Applied Microsoft .NET Framework Programming in Microsoft Visual Basic® .NET
Jeffrey Richter, Francesco Balena

VISUAL C#™ .NET



Microsoft Visual C#™ .NET Deluxe Learning Edition
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Microsoft Visual C#™ .NET Step by Step
John Sharp, Jon Jagger



OOP with Microsoft Visual Basic® .NET and Microsoft Visual C#™ .NET Step by Step
Robin A. Reynolds-Haertle



Programming Microsoft Windows® with C#
Charles Petzold



Microsoft Visual C#™ .NET
Mickey Williams



Microsoft Visual C#™ .NET Step by Step
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Microsoft Visual C#™ .NET Language Reference
Microsoft Corporation



Inside C#
Tom Archer



C# for Java Developers
Allen Jones, Adam Freeman

VISUAL C++® .NET



Microsoft Visual C++® .NET Deluxe Learning Edition
Microsoft Corporation



Microsoft Visual C++® .NET Step by Step
Julian Templeman, Andy Olsen



Microsoft Visual C++® .NET
George Shepherd with work from David Kruglinski



Microsoft Visual C++® .NET Language Reference
Microsoft Corporation



Programming with Managed Extensions for Microsoft Visual C++® .NET
Microsoft Corporation

VISUAL J#™ .NET



Microsoft Visual J#™ .NET
John Sharp, Andy Longshaw

.NET FRAMEWORK



Introducing Microsoft .NET 2nd Edition
David S. Platt



Inside Microsoft .NET IL Assembler
Serge Lidin



Programming Microsoft .NET
Jeff Prossie



Building .NET Applications for Mobile Devices
Andy Wigley, Peter Roxburgh



Applied Microsoft .NET Framework Programming
Jeffrey Richter



Performance Tuning Microsoft .NET Applications
Microsoft Corporation



Debugging Applications for Microsoft .NET and Microsoft Windows®
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Microsoft .NET Remoting
John Robbins, James Nafel, Kim Williams

ASP.NET



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G. Andrew Duthie



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Douglas J. Reilly



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Dino Esposito



Developing ASP.NET Server Controls and Components
Nikhil Kothari, Vandana Datta

ADO.NET



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Rebecca M. Riondan



Microsoft ADO.NET
David Sceppea

XML



XML Step by Step Second Edition
Michael J. Young



XML Programming
R. Allen Wyke, Sultan Rehman, Brad Leupen



Programming Microsoft SQL Server 2000 with XML
Graeme Malcolm of Content Master Ltd.



Applied XML Programming for Microsoft .NET
Dino Esposito

XML WEB SERVICES



Introducing Microsoft .NET My Services
Christopher Jones, Jeannine Gailey



Web Database Development Step by Step .NET Edition
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Building XML Web Services for the Microsoft .NET Platform
Scott Short



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