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## Professional C# 4.0 and .NET 4

*Von Christian Nagel, Bill Evjen, Jay Glynn, Karli Watson, Morgan Skinner  
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**Von Christian Nagel, Bill Evjen, Jay Glynn, Karli Watson, Morgan Skinner : Professional C# 4.0 and .NET 4**  
before purchasing it in order to gage whether or not it would be worth my time, and all praised Professional C# 4.0 and .NET 4:

KundenrezensionenHilfreichste Kundenrezensionen2 von 3 Kunden fanden die folgende Rezension hilfreich.  
Brauchbares HilfsmittelVon I. SchneiderDa Microsoft selber es nicht schafft brauchbare Hilfe zu bieten mit Beispiel Code und sinnvoller Erklrung ist fr mich diese Buch ein absolut ntzlicher Helfer. (War auch schon der Vorgnger 3.5)

KurzbeschreibungThis book starts by reviewing the overall architecture of .NET in order to give you the background you need to be able to write managed code. After that, the book is divided into a number of sections that cover both the C# language and its application in a variety of areas.Part I: The C# Language: This section gives a good grounding

in the C# language itself. This section doesn't presume knowledge of any particular language, although it does assume you are an experienced programmer. You start by looking at C's basic syntax and data types, and then explore the object-oriented features of C# before moving on to look at more advanced C# programming topics. Objects, types, inheritance, generics, arrays, tuples, operators, casts, delegates, lambdas, events, strings, regular expressions, collections, Language Integrated Query (LINQ), Dynamic Language Extensions, memory management, pointers, reflection, errors, and exception are all covered in part 1.

**Part II: Visual Studio:** This section looks at the main IDE utilized by C# developers worldwide: Visual Studio 2010. The two chapters in this section look at the best way to use the tool to build applications based on the .NET Framework 4. In addition, this section also focuses on the deployment of your projects.

**Part III: Foundation:** In this section, you look at the principles of programming in the .NET environment. In particular, you look at assemblies, instrumentation, security, threading, tasks, synchronization, localization, System.Transactions, networking, interop, XAML, Managed Extensibility Framework, Manipulating Files and the Registry, transactions, how to build Windows services, and how to generate your own libraries as assemblies, among other topics.

**Part IV: Data:** Here, you look at accessing databases with ADO.NET, ADO.NET Entity Framework, data services. This part also extensively covers support in .NET for XML and on the Windows operating system side, and the .NET features of SQL Server 2008.

**Part V: Presentation:** This section shows how to build applications based upon the Windows Presentation Foundation and Silverlight, and covers writing components that will run on web sites, serving up web pages. It also has coverage on building classic Windows applications, which are called Windows Forms in .NET. Windows Forms are the thick-client version of applications, and using .NET to build these types of applications is a quick and easy way of accomplishing this task. Finally, it includes coverage of the tremendous number of features that ASP.NET, ASP.NET MVC, and ASP.Net Dynamic Data provide.

**Part VI: Communication:** This section is all about communication. It covers services for platform-independent communication using the Windows Communication Foundation (WCF). With Message Queuing, asynchronous disconnected communication is shown. This section looks at utilizing the Windows Workflow Foundation 4, as well as peer to peer networking, and creating syndication feeds.

The book closes with an appendix covering Windows 7 and Windows Server 2008 R2 development.

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**Buchrückseite** Start using the new features of C# 4 and .NET 4 right away! The new C# 4 language version is indispensable for writing code in Visual Studio 2010. This essential guide emphasizes that C# is the language of choice for your .NET 4 applications. The unparalleled author team of experts begins with a refresher of C# basics and quickly moves on to provide detailed coverage of all the recently added language and Framework features so that you can start writing Windows applications and ASP.NET web applications immediately.

\* s the .NET architecture, objects, generics, inheritance, arrays, operators, casts, delegates, events, Lambda expressions, and more\*

\* Details integration with dynamic objects in C#, named and optional

parameters, COM-specific interop features, and type-safe variance\* Provides coverage of new features of .NET 4, Workflow Foundation 4, ADO.NET Data Services, MEF, the Parallel Task Library, and PLINQ\* Has deep coverage of great technologies including LINQ, WCF, WPF, flow and fixed documents, and Silverlight\* s ASP.NET programming and goes into new features such as ASP.NET MVC and ASP.NET Dynamic Data\* Discusses communication with WCF, MSMQ, peer-to-peer, and syndicationWrox Professional guides are planned and written by working programmers to meet the real-world needs of programmers, developers, and IT professionals. Focused and relevant, they address the issues technology professionals face every day. They provide examples, practical solutions, and expert education in new technologies, all designed to help programmers do a better job.wrox.comProgrammer ForumsJoin our Programmer to Programmer forums to ask and answer programming questions about this book, join discussions on the hottest topics in the industry, and connect with fellow programmers from around the world.Code DownloadsTake advantage of free code samples from this book, as well as code samples from hundreds of other books, all ready to use.Read MoreFind articles, ebooks, sample chapters and tables of contents for hundreds of books, and more reference resources on programming topics that matter to you.