
Essential Net Volume I The Common Language Runtime

The Book

The Common Language Infrastructure Annotated
Standard

Essential C# 2.0

Essential COM

Windows Forms 2.0 Programming

Essentials of Materia Medica, Therapeutics, and
Prescription Writing, Arranged in the Form of
Questions and Answers

Essential Windows Workflow Foundation

Windows Forms Programming in Visual Basic .NET

Essentials of the Diseases of Children

The C# Programming Language

Construction and Analysis of Safe, Secure, and
Interoperable Smart Devices

Accelerated C# 2008

Essential Docker for ASP.NET Core MVC

Domain-Specific Development with Visual Studio
DSL Tools

NET Framework Standard Library Annotated
Reference

Building Applications and Components with Visual

Basic .NET

A Text-book of the practice of medicine

A Text-book of the Practice of Medicine

The Essentials of Equity Pleading and Practice,
State and Federal

Effective REST Services via .NET

Accelerated C# 2010

Extending MFC Applications with the .NET
Framework

A Text-book of the practice of medicine v. 2

Visual Studio Tools for Office

Mastering C# and .NET Framework

Effective Use of Microsoft Enterprise Library

A Text-book of the practice of medicine v. 1

Designing Forms for Microsoft Office InfoPath and
Forms Services 2007

Accelerated C# 2005

The .NET Developer's Guide to Directory Services
Programming

Essential Windows Presentation Foundation (WPF)

A First Look at ADO. NET and System. XML V. 2. 0

The Visual Basic .Net Programming Language

Essential Windows Communication Foundation
(WCF)

Graphics Programming with GDI+

Essential .Net

The Safety Net

Building Solutions with the Microsoft .NET
Compact Framework

Programming in the .NET Environment

Microsoft Visual C# 2005 Unleashed

*Essential
Net
Volume I
The Common
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ASHTYN YARELI

The Book
Addison-
Wesley
Professional
Offering a
distinctive
approach, this
book will
teach readers
not only how
to use COM
but how to
think in COM.
COM can
greatly
improve the
efficiency of
applications,
but COM
fluency is a
difficult task.
The book is a
top resource
for developers
who need to

make the
transition from
superficial
understanding
to deep
knowledge.
The Common
Language
Infrastructure
Annotated
Standard
Pearson
Education
Domain-
Specific
Languages
(DSLs)--
languages
geared to
specific
vertical or
horizontal
areas of
interest--are
generating
growing
excitement
from software
engineers and
architects.
DSLs bring
new agility to

the creation
and evolution
of software,
allowing
selected
design
aspects to be
expressed in
terms much
closer to the
system
requirements
than standard
program code,
significantly
reducing
development
costs in large-
scale projects
and product
lines. In this
breakthrough
book, four
leading
experts reveal
exactly how
DSLs work,
and how you
can make the
most of them
in your
environment.

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| <p>With Domain-Specific Development with Visual Studio DSL Tools, you'll begin by mastering DSL concepts and techniques that apply to all platforms. Next, you'll discover how to create and use DSLs with the powerful new Microsoft DSL Tools--a toolset designed by this book's authors. Learn how the DSL Tools integrate into Visual Studio--and how to define DSLs and generate Visual Designers</p> | <p>using Visual Studio's built-in modeling technology. In-depth coverage includes Determining whether DSLs will work for you Comparing DSLs with other approaches to model-driven development Defining, tuning, and evolving DSLs: models, presentation, creation, updates, serialization, constraints, validation, and more Creating Visual Designers for new DSLs with little or no</p> | <p>coding Multiplying productivity by generating application code from your models with easy-to-use text templates Automatically generating configuration files, resources, and other artifacts Deploying Visual Designers across the organization, quickly and easily Customizing Visual Designers for specialized process needs List of Figures List of Tables Foreword Preface About</p> |
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| the Authors | Chapter 11 | father of |
| Chapter 1 | Designing a | Visual Basic |
| Domain- | DSL Index | .NET, explains |
| Specific | Essential C# | the whys and |
| Development | 2.0 Addison- | hows of this |
| Chapter 2 | Wesley | exciting new |
| Creating and | Professional | language |
| Using DSLs | Praise for The | better than |
| Chapter 3 | Visual Basic | any other |
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| Definition | Programming | on the |
| Chapter 4 | Language | planet." --Ted |
| Presentation | "There is no | Pattison, |
| Chapter 5 | substitute to | Barracuda.NE |
| Creation, | getting the | T "The Visual |
| Deletion, and | inside scoop | Basic .NET |
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| Serialization | of a | nuances that |
| Chapter 7 | programming | in all my use |
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| and Validation | as Bjarne | VB .NET, I |
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| Artifacts | Gosling for | anywhere |
| Chapter 9 | Java and Alan | else. For |
| Deploying a | Cooper for the | example, I |
| DSL Chapter | original | learned that |
| 10 Advanced | version of | you can use |
| DSL | Visual Basic. | the Imports |
| Customization | Paul Vick, the | statement to |

import an Enum name, so that you needn't refer to the enum in all its uses. In addition, I learned that the dictionary lookup operator, "!", works in VB .NET--I thought this one had been retired. In any case, if you're searching for a book that covers all the language syntax issues, and more, Paul Vick's book is a great place to look." --Ken Getz, Senior Consultant, MCW Technologies, LLC "This book

is an excellent stepping stone for Visual Basic developers wanting to get their toes wet in the .NET waters. Paul's presentation of the core topics all VB developers should tackle first is clear, concise, and unlike other books in the genre, does not overwhelm the reader. The VB6 vs. VB.NET task-oriented approach guides you through the new language and OO features, and then moves to

basic threading and other CLR topics--as well as to the key points in the COM to .NET transition--in a well thought-out sequence. If you've been holding out on VB .NET, this is a great book to get you started." - -Klaus H. Probst, Sr. Consultant/Architect, Spherion Technology Services, Microsoft MVP "There is no shortage of VB .NET books in the market, but this is the only book straight from the creators.

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| While that is an excellent reason in itself for reading this book, it is the brevity and clarity of the content, along with the examples, that makes this book a must-have." -- Amit Kalani, Developer "Overall, I liked this book and it definitely benefited me. I learned new things I didn't see anywhere else and I'll certainly put these to good use in the future. Paul's book makes a great reference manual for | intermediate and advanced VB .NET developers." -- Philip Williams, System Engineer, LDC Direct "This book contains a lot of great information I have seen nowhere else and addresses issues that other books do not." -- Ethan Roberts, .NET Architect, General Casualty "This book is full of useful information and provides a good historical background for the Visual Basic .NET Language." -- | Dave Vitter, Technical Lead Developer and author of Designing Visual Basic .NET Applications (Coriolis, 2001) The definitive Microsoft Visual Basic .NET reference-- authored by Visual Basic .NET's lead architect If you want to leverage all of VB .NET's immense power, get this book. It's the definitive VB .NET reference and tutorial, and the first Visual Basic book |
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written by one of VB .NET's lead architects. No other book offers this much behind-the-scenes insight about why VB .NET works the way it does, how it evolved, and how you can make the most of it. The Visual Basic .NET Programming Language is a superb learning tool for new VB .NET programmers and a must-have reference for developers at every level. Paul Vick presents

precise language descriptions, essential reference materials, practical insights, and hundreds of code samples, straight from Microsoft's VB .NET design team. Just some of the features include: A history and overview of Visual Basic's evolution into VB .NET Complete coverage of the language syntax Transitioning from COM to the CLR and leveraging the .NET platform Runtime

functions Taking full advantage of VB .NET's object-oriented features Notes on style, design, and compatibility throughout the text Notes for the advanced user throughout the text Vick exposes VB .NET's most powerful capabilities with unprecedented depth and clarity, and packs this book with information you simply won't find anywhere else. Whether you're an

experienced VB .NET programmer, upgrading from earlier versions of Visual Basic, or coming to Visual Basic and .NET for the first time, you'll find this book indispensable. Essential COM Apress
A new edition of this title is available, ISBN-10: 0321533925
ISBN-13: 9780321533920
"Essential C# 2.0 pulls off a very difficult task. The early chapters are comprehensible by beginning

developers, while the later chapters pull no punches and provide the experienced developer with the detailed information they need to make the most of C# 2.0. Starting with the first chapter, Mark has successfully interwoven tidbits of information useful to even the most advanced developer while keeping the book approachable." -Chris Kinsman, chief architect,

Vertafore, Microsoft Regional Director "How refreshing! This book deals with C# thoroughly, rather than skimming over the whole .NET framework. It is valuable to newcomers and professionals alike." -Jon Skeet, C# MVP
"Essential C# 2.0 is a one-stop shop for an experienced programmer looking to ramp up on one of the hottest languages around today.

Mark delivers an intelligent and detailed tour of C#, providing newcomers to the language with a solid foundation of skill on which to build their next generation of applications.”
 –Stephen Toub, technical editor, MSDN Magazine
 “This book provides complete, up-to-date coverage of all the programming constructs in C#. Masterfully organized, it allows beginning

programmers to get on board and leads more experienced programmers into the world of structured programming. Because of its unwavering focus on the essential programming constructs of C#—such as generics, delegates, and much more—this book is indispensable. For programmers who want to solve their day-to-day programming issues using the latest features this modern

programming language has to offer, this book is indispensable.
 ” –Narendra Poflee, IT integration specialist, Itron Inc.
 “Essential C# 2.0 is an ideal book for all programmers interested in C#. If you are a beginner, you will quickly learn the basics of C# programming and become familiar with the concepts. The flow of the text is easy to follow and does a great job of not repeating concepts that

have already been covered. For the experienced programmer, this book has priceless nuggets embedded within its pages, making it a great read for programmers who are already familiar with C#. This will be a book that I will keep next to my computer for years to come.”
–Michael Stokesbary, software engineer, Itron Inc. Essential C# 2.0 is a clear, concise guide to

C#-including the features new to C# 2.0. The book clearly presents material for beginners and experts and provides contrasts and comparisons between C# and other languages. The C# language is covered comprehensively and each important construct is illustrated with succinct code examples. Complete code examples are available online. Mark Michaelis has

organized the material for quick access. Graphical “mind maps” at the beginning of each chapter show what material is covered and how each topic relates to the whole. Following the C# introduction, readers will learn about C# primitive data types, value types, reference types, type conversions, and arrays Operators and control flow, loops, conditional logic, and sequential

programming
 Methods,
 parameters,
 exception
 handling, and
 structured
 programming
 Classes,
 inheritance,
 structures,
 interfaces,
 and object-
 oriented
 programming
 Well-formed
 types,
 operator
 overloading,
 namespaces,
 and garbage
 collection
 Generics,
 collections,
 and iterators
 Reflection,
 attributes, and
 declarative
 programming
 Threading,
 synchronizatio
 n, and multi-
 threaded

patterns
 Interoperabilit
 y and unsafe
 code The
 Common
 Language
 Infrastructure
 that underlies
 C# C# 2.0 has
 a multitude of
 new features
 that make the
 language even
 more
 powerful,
 productive,
 and efficient.
 These new
 features are
 thoroughly
 covered in this
 book. A
 separate
 appendix on
 C# 2.0 topics
 helps readers
 quickly find
 new features
 of the
 language.
 Whether
 you're just

starting out as
 a
 programmer,
 are an
 experienced
 developer
 looking to
 learn C#, or
 are a
 seasoned C#
 programmer
 interested in
 learning the
 new features
 of C# 2.0,
 Essential C#
 2.0 gives you
 just what you
 need to
 quickly get up
 and running
 writing C#
 applications.
Windows
Forms 2.0
Programmin
g Pearson
 Education
 C# 2010
 offers
 powerful new
 features, and

this book is the fastest path to mastering them—and the rest of C#—for both experienced C# programmers moving to C# 2010 and programmers moving to C# from another object-oriented language. Many books introduce C#, but very few also explain how to use it optimally with the .NET Common Language Runtime (CLR). This book teaches both core C# language

concepts and how to wisely employ C# idioms and object-oriented design patterns to exploit the power of C# and the CLR. This book is both a rapid tutorial and a permanent reference. You'll quickly master C# syntax while learning how the CLR simplifies many programming tasks. You'll also learn best practices that ensure your code will be efficient, reusable, and robust. Why

spend months or years discovering the best ways to design and code C# when this book will show you how to do things the right way from the start? Comprehensively and concisely explains both C# 2008 and C# 2010 features. Focuses on the language itself and on how to use C# 2010 proficiently for all .NET application development. Concentrates on how C# features work and how to

best use them for robust, high-performance code

Essentials of Materia Medica, Therapeutics, and Prescription Writing, Arranged in the Form of Questions and Answers

Addison-Wesley Professional
 “If you have any interest in writing .NET programs using Active Directory or ADAM, this is the book you want to read.”
 —Joe Richards, Microsoft MVP, directory

services Identity and Access Management are rapidly gaining importance as key areas of practice in the IT industry, and directory services provide the fundamental building blocks that enable them. For enterprise developers struggling to build directory-enabled .NET applications, The .NET Developer’s Guide to Directory Services Programming will come as a welcome aid.

Microsoft MVPs Joe Kaplan and Ryan Dunn have written a practical introduction to programming directory services, using both versions 1.1 and 2.0 of the .NET Framework. The extensive examples in the book are in C#; a companion Web site includes both C# and Visual Basic source code and examples. Readers will Learn to create, rename, update, and delete objects in Active

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| <p>Directory and ADAM Learn to bind to and search directories effectively and efficiently Learn to read and write attributes of all types in the directory Learn to use directory services within ASP.NET applications Get concrete examples of common programming tasks such as managing Active Directory and ADAM users and groups, and performing authentication Experienced</p> | <p>.NET developers—those building enterprise applications or simply interested in learning about directory services—will find that The .NET Developer’s Guide to Directory Services Programming unravels the complexities and helps them to avoid the common pitfalls that developers face. <i>Essential Windows Workflow Foundation</i> Pearson Education Not only does</p> | <p>this book describe the goals and architecture of the .NET Framework, but it also demonstrates how it implements facilities and services to meet these goals. This book shows developers how to produce generic frameworks, libraries, classes, and tools to be used in the .NET Framework. Windows Forms Programming in Visual Basic .NET Apress</p> |
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Setting the standard for a premium C# reference, Microsoft Visual C# 2005 Unleashed provides practical examples for virtually every aspect of the C# programming language. The book is structured for progressive learning, so it can be read cover-to-cover or used as a comprehensive reference guide. You will be exposed to everything from low-level information on the Garbage Collector to advanced concepts, such as creating applications that use Enterprise Services, creating Web Services, and even advanced Windows GUI. Chapters include: Expressions and Control Structures UI Controls Code Access Security Remoting Peer-to-Peer Applications **Essentials of the Diseases of Children** Pearson Education This book provides the fastest path to C# mastery for programmers transitioning from another object-oriented language. Any C# programmer, at any experience level, will find it enlightening. It describes how C# works in thorough detail, discusses the most important issues for expert C# coding, and demonstrates with short and precise examples how to design and code effective C# programs.

Its succinctness and clarity make it appropriate for anyone familiar with any object-oriented language; its depth will impress even expert programmers. Readers will rapidly become expert in C# by learning how to do things the right way, right from the start. *The C# Programming Language* MIT Press - The WinForms team at Microsoft

praises Chris as a definitive authority; Microsoft has named Chris one of eight Software Legends - The content and structure are based on years of experience both building apps with WinForms as well as teaching other developers about WinForms - Alan Cooper, the 'father of Visual Basic', has provided the foreword for the book *Construction and Analysis of Safe, Secure, and Interoperable*

Smart Devices Addison-Wesley Professional Build Web Services Better and Faster with RESTful Techniques and .NET Technologies Developers are rapidly discovering the power of REST to simplify the development of even the most sophisticated Web services-and today's .NET platform is packed with tools for effective REST development. Now, for the first time,

there's a complete, practical guide to building REST-based services with .NET development technologies. Long-time .NET and Web services developers and authors Kenn Seely explain why REST fits so smoothly into the Internet ecosystem, why RESTful services are so much easier to build, what it means to be RESTful, and how to identify behaviors that

are not RESTful. Next, they review the core Internet standards and .NET technologies used to develop RESTful solutions and show exactly how to apply them on both the client and server side. Using detailed code examples, Scribner and Seely begin with simple ASP.NET techniques, and then introduce increasingly powerful options—including Windows Communicatio

n Foundation (WCF) and Microsoft's cloud computing initiative, Azure. Coverage includes • Accessing RESTful services from desktop applications, using Windows Forms and WPF • Supporting Web client operations using Silverlight 2.0, JavaScript, and other technologies • Understanding how IIS 7.0 processes HTTP requests and using that knowledge to

build better REST services

- Constructing REST services based on traditional ASP.NET constructs
- Utilizing the ASP.NET MVC Framework to implement RESTful services more effectively
- Taking advantage of WCF 3.5's powerful REST-specific capabilities
- Creating RESTful data views effortlessly with ADO.NET Data Services
- Leveraging Microsoft's Azure cloud-computing platform to

build innovative new services

- Choosing the right .NET technology for each REST application or service

Accelerated C# 2008

Addison-Wesley Professional

"Whether this is the first time or the fifty-first time you're using WCF, you'll learn something new by reading this book." -- Nicholas Allen, Program Manager, Web Services, Microsoft Windows Communicatio

n Foundation (WCF) is the easiest way to produce and consume Web services on the Microsoft platform. With .NET 3.5, WCF has been extensively revamped--and Visual Studio 2008 gives developers powerful new tools for utilizing it. Essential Windows Communication Foundation shows developers exactly how to make the most of WCF with .NET 3.5 and Visual Studio 2008. Drawing on

extensive experience working with early adopters, three Microsoft insiders systematically address the topics developers ask about WCF. The authors approach each subject with practical advice and present best practices, tips, and tricks for solving problems. Throughout, you'll find detailed explanations, solutions for the "pain points" of WCF

development, and an extensive collection of reusable code examples. Coverage includes Using WCF contracts to define complex structures and interfaces Understanding WCF's channel stacks and channel model architecture Configuring the WCF communication stack to use only the protocols you need Using standard and custom service behaviors to manage concurrency, instances,

transactions, and more Serializing data from .NET types to XML Infosets and representing Infosets "on the wire" Hosting WCF services via IIS, managed .NET applications, and Windows Activation Services WCF security, in depth: authentication ; transport and message-level security; and Internet and intranet scenarios Improving reliability: exception handling, diagnostics,

and more
Workflow
services: new
integration
points
between WCF
3.5 and
Windows
Workflow
Foundation
Building
client-to-
client, peer
network-based
applications
Utilizing WCF
for non-SOAP
Web services:
AJAX and JSON
examples and
.NET 3.5
hosting
classes
Microsoft's
Steve Resnick,
Richard Crane,
and Chris
Bowen are
technology
experts at the
Microsoft
Technology

Center in
Boston. They
specialize in
helping
customers
improve their
technical
agility by
applying WCF
and related
technologies.
Resnick has
specialized in
Internet
technologies
and
distributed
computing at
Microsoft
since 1995.
He is a
frequent
speaker at
Microsoft
events and is
now
technology
director for
the U.S.
Microsoft
Technology
Centers.

Crane has
more than 15
years of
experience in
senior
software
development
roles. He
specializes in
large-scale
Web sites,
distributed
computing,
transactional
systems, and
performance
analysis.
Bowen has
been an
architect and
developer for
more than 15
years at
companies
such as
Monster.com
and Staples
and is co-
author of
Professional
Visual Studio
2005 Team

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**t with Visual
Studio DSL
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Scott
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the author of
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bull; The book
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searchable
online index,
and helpful
navigation
tools bull;
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date for C#
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and Visual
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extensive
coverage of

new features
being added
to the next
version of C#
**NET
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Annotated
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book history, book arts, and electronic literature to expand our definition of an object we thought we knew intimately. Contrary to the many reports of its death (which has been blamed at various times on newspapers, television, and e-readers), the book is alive. Despite nostalgic paeans to the codex and its printed pages, Borsuk reminds us, the term “book” commonly

refers to both medium and content. And the medium has proved to be malleable. Rather than pinning our notion of the book to a single form, Borsuk argues, we should remember its long history of transformation. Considering the book as object, content, idea, and interface, she shows that the physical form of the book has always been the site of experimentation and play. Rather than

creating a false dichotomy between print and digital media, we should appreciate their continuities. [Building Applications and Components with Visual Basic .NET](#) Packt Publishing Ltd Writing robust enterprise applications presents a special challenge for developers, but Microsoft has addressed that challenge with the free, downloadable Enterprise Library for the

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| .NET Framework. Enterprise Library is a collection of application blocks and guidance documents that together provide functionality common to enterprise applications; each application block includes full source code. Lacking in the guidance provided by Microsoft is an overall roadmap to the process of using the application blocks. Effective Use of Microsoft | Enterprise Library is that roadmap. Microsoft application development lead architect Len Fenster explains exactly how to build applications using Enterprise Library application blocks. Fenster covers all seven application blocks as implemented for .NET Framework 1.1, shows how to develop and use a new application block, and explains how Enterprise | Library is changing for .NET Framework 2.0. Readers will learn How the Configuration Application Block is designed and can be used at runtime to easily read and write configuration data How the Configuration Application Block works at design time for all blocks How to use the Data Access Block to create a portable data layer How to use the Exception Handling Application |
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Block to implement a policy-driven, application-wide exception handling system How to use the Logging and Instrumentation Application Block to log and instrument messages independent of the message destination How to add authentication, authorization, role membership, security cache, and profile membership features to an application

with the Security Application Block How to use the Cryptography Application Block to add functionality to encrypt and decrypt data and create and compare hashes How to build your own application block and providers that “snap” right into Enterprise Library Whether you plan to extend Enterprise Library for your organization, or just use the existing application blocks to add functionality

to your architecture in a consistent, extensible, integrated way, this book will guide you through the complexities and help you find a clear path to success.

A Text-book of the practice of medicine

Addison-Wesley Professional Library -Filled with practical examples that show how to incorporate .NET functionality into legacy applications in order to make them more productive-

Demonstrates clearly how various .NET classes provide either a new ability not found in MFC, or a markedly improved way of doing something- Explains how developers can start to use .NET today without abandoning their current skill set
A Text-book of the Practice of Medicine
Pearson Education
Edited by a lead program manager on Microsoft's .NET Framework team, this

definitive book/CD set utilizes extensive annotations and code samples from the creators of the technology to move beyond the online documentation and provide .NET developers with a dictionary-style reference to the most-used parts of the Framework. The book also covers the subset of the ISO CLI Standards, including the Base Class Library and the Extended

Numeric Library.
The Essentials of Equity Pleading and Practice, State and Federal
Addison-Wesley Professional
In Essential Windows Workflow Foundation, two WF lead architects-Dharma Shukla and Bob Schmidt-offer an under-the-hood look at the technology, explaining the why and not just the how of WF's key concepts and architecture.
Serious WF

developers seeking details about how to effectively utilize and extend the framework by writing activities will find cogent explanations and answers here. With simple and illustrative examples, the authors demonstrate exactly how to leverage WF's extensible programming model to craft domain-specific programs. Drawing on their unique vantage point in designing and

developing WF, Shukla and Schmidt deliver authoritative coverage of The core concepts and ideas that form the heart of WF's programming model The execution model for activities, with details of the activity automaton, bookmarking, scheduling, and the threading model of the WF runtime Advanced execution concepts, including activity execution contexts,

transactions, persistence points, passivation, fault handling, cancellation, compensation, and synchronization Hosting the WF runtime in applications The activity component model, with details of validation, compilation, serialization, and visualization Databinding, XAML, dependency properties, and WF program metadata Declarative conditions and rules, activity designers, and

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| designer | <u>Services via</u> | examples, |
| hosting | <u>.NET Addison-</u> | you'll |
| Custom | Wesley | understand |
| control flow | Professional | how to write |
| patterns | Deep dive into | applications to |
| ranging from | C# and .NET | make full use |
| simple | architecture to | of the new |
| sequencing | build efficient, | features of |
| and iteration | powerful | .NET 4.6, .NET |
| to more | applications | Core and C# |
| complex | About This | 6/7 Who This |
| graphs and | Book Uniquely | Book Is For |
| state | structured | This book was |
| machines | content to | written |
| Dynamic | help you | exclusively for |
| editing of | understand | .NET |
| running WF | what goes on | developers. If |
| program | under the | you've been |
| instances | hood of .NET's | creating C# |
| Essential | managed code | applications |
| Windows | platform to | for your |
| Workflow | master .NET | clients, at |
| Foundation is | programming | work or at |
| the definitive | Deep dive into | home, this |
| resource for | C# | book will help |
| developers | programming | you develop |
| seeking an in- | and how the | the skills you |
| depth | code executes | need to create |
| understanding | via the CLR | modern, |
| of this novel | Packed with | powerful, and |
| technology. | hands-on | efficient |
| <u>Effective REST</u> | practical | applications in |

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| <p>C#. No knowledge of C# 6/7 or .NET 4.6 is needed to follow along—all the latest features are included to help you start writing cross-platform applications immediately. You will need to be familiar with Visual Studio, though all the new features in Visual Studio 2015 will also be covered. What You Will Learn Understand C# core concepts in depth, from sorting algorithms to the Big O notation Get</p> | <p>up to speed with the latest changes in C# 6/7 Interface SQL Server and NoSQL databases with .NET Learn SOLID principles and the most relevant GoF Patterns with practical examples in C# 6.0 Defend C# applications against attacks Use Roslyn, a self-hosted framework to compile and advanced edition in both C# and Visual basic .NET languages Discern LINQ and associated</p> | <p>Lambda expressions, generics, and delegates Design a .NET application from the ground up Understand the internals of a .NET assembly Grasp some useful advanced features in optimization and parallelism In Detail Mastering C# and .NET Framework will take you in to the depths of C# 6.0/7.0 and .NET 4.6, so you can understand how the platform</p> |
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works when it runs your code, and how you can use this knowledge to write efficient applications. Take full advantage of the new revolution in .NET development, including open source status and cross-platform capability, and get to grips with the architectural changes of CoreCLR. Start with how the CLR executes code, and discover the niche and advanced aspects of C# programming

- from delegates and generics, through to asynchronous programming. Run through new forms of type declarations and assignments, source code callers, static using syntax, auto-property initializers, dictionary initializers, null conditional operators, and many others. Then unlock the true potential of the .NET platform. Learn how to write OWASP-compliant applications,

how to properly implement design patterns in C#, and how to follow the general SOLID principles and its implementations in C# code. We finish by focusing on tips and tricks that you'll need to get the most from C# and .NET. This book also covers .NET Core 1.1 concepts as per the latest RTM release in the last chapter. Style and approach This book uses hands-on practical code examples that

will take you into the depths of C# and .NET.

Packed with hands-on practical examples, it is

great as a tutorial, or as a reference guide.