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Learning WCF-Michele Leroux Bustamante 2007 Provides information and examples on using Windows Communication Foundation to build service-oriented applications.

Programming WCF Services-Juval Lowy 2010-08-13 Programming WCF Services is the authoritative, bestselling guide to Microsoft's unified platform for developing modern service-oriented applications on Windows. Hailed as the definitive treatment of WCF, this book provides unique insight, rather than documentation, to help you learn the topics and skills you need for building WCF-based applications that are maintainable, extensible, and reusable. Author Juval Löwy -- one of the world's top .NET experts -- revised this edition to include the newest productivity-enhancing features of .NET Framework 4 and the Azure AppFabric Service Bus, as well as the latest WCF ideas and techniques. By teaching you the why and the how of WCF programming, Programming WCF Services will help you master WCF and make you a better software engineer. Learn about WCF architecture and essential building blocks, including key concepts such as reliability and transport sessions Use built-in features such as service hosting, instance and concurrency management, transactions, disconnected queued calls, security, and discovery Master the Windows Azure AppFabric Service Bus, the most revolutionary piece of the new cloud computing initiative Increase your productivity and the quality of your WCF services by taking advantage of relevant design options, tips, and best practices in Löwy's ServiceModelEx framework Discover the rationale behind particular design decisions, and delve into rarely understood aspects of WCF development "If you choose to learn WCF, you've chosen well. If you choose to learn with the resource and guidance of Juval Löwy, you've done even better... there are few people alive today who know WCF as well." --Ron Jacobs, Senior Technical Evangelist for WCF, Microsoft Corporation

Programming Wcf Services-Juval Lowy 2015-03-25 Programming WCF Services is the authoritative, bestselling guide to Microsoft's unified platform for developing modern service-oriented applications on Windows. Hailed as the definitive treatment of WCF, this book provides unique insight, rather than documentation, to help you learn the topics and skills you need for building WCF-based applications that are maintainable, extensible, and reusable. Authors Juval Löwy—one of the world's top .NET experts—and Michael Montgomery have revised this edition to include the newest productivity-enhancing features of .NET Framework 4.5, as well as the latest WCF ideas and techniques. By teaching you the why and the how of WCF programming, Programming WCF Services will help you master WCF and make you a better software engineer. Learn about WCF architecture and essential building blocks, including key concepts such as reliability and transport sessions Use built-in features such as service hosting, instance and concurrency management, transactions, disconnected queued calls, security, and discovery Increase your productivity and the quality of your WCF services by taking advantage of relevant design options, tips, and best practices in Löwy's ServiceModelEx framework Discover the rationale behind particular design decisions, and delve into rarely understood aspects of WCF development

Windows Communication Foundation 4 Step by Step-John Sharp 2010 Your hands-on, step-by-step guide to building connected, service-oriented applications. Teach yourself the essentials of Windows Communication

Foundation (WCF) 4 -- one step at a time. With this practical, learn-by-doing tutorial, you get the clear guidance and hands-on examples you need to begin creating Web services for robust Windows-based business applications. Discover how to: Build and host SOAP and REST services Maintain service contracts and data contracts Control configuration and communications programmatically Implement message encryption, authentication, and authorization Manage identity with Windows CardSpace Begin working with Windows Workflow Foundation to create scalable and durable business services Implement service discovery and message routing Optimize performance with service throttling, encoding, and streaming Integrate WCF services with ASP.NET clients and enterprise services components Your Step by Step digital content includes: Practice exercises Downloadable code samples Fully searchable online edition of the book -- with unlimited access on the Web

Fundamentals of Computer Programming with C#-Svetlin Nakov 2013-09-01 The free book "Fundamentals of Computer Programming with C#" is a comprehensive computer programming tutorial that teaches programming, logical thinking, data structures and algorithms, problem solving and high quality code with lots of examples in C#. It starts with the first steps in programming and software development like variables, data types, conditional statements, loops and arrays and continues with other basic topics like methods, numeral systems, strings and string processing, exceptions, classes and objects. After the basics this fundamental programming book enters into more advanced programming topics like recursion, data structures (lists, trees, hash-tables and graphs), high-quality code, unit testing and refactoring, object-oriented principles (inheritance, abstraction, encapsulation and polymorphism) and their implementation the C# language. It also covers fundamental topics that each good developer should know like algorithm design, complexity of algorithms and problem solving. The book uses C# language and Visual Studio to illustrate the programming concepts and explains some C# / .NET specific technologies like lambda expressions, extension methods and LINQ. The book is written by a team of developers lead by Svetlin Nakov who has 20+ years practical software development experience. It teaches the major programming concepts and way of thinking needed to become a good software engineer and the C# language in the meantime. It is a great start for anyone who wants to become a skillful software engineer. The books does not teach technologies like databases, mobile and web development, but shows the true way to master the basics of programming regardless of the languages, technologies and tools. It is good for beginners and intermediate developers who want to put a solid base for a successful career in the software engineering industry. The book is accompanied by free video lessons, presentation slides and mind maps, as well as hundreds of exercises and live examples. Download the free C# programming book, videos, presentations and other resources from <http://introprogramming.info>. Title: Fundamentals of Computer Programming with C# (The Bulgarian C# Programming Book) ISBN: 9789544007737 ISBN-13: 978-954-400-773-7 (9789544007737) ISBN-10: 954-400-773-3 (9544007733) Author: Svetlin Nakov & Co. Pages: 1132 Language: English Published: Sofia, 2013 Publisher: Faber Publishing, Bulgaria Web site: <http://www.introprogramming.info> License: CC-Attribution-Share-Alike Tags: free, programming, book, computer programming, programming fundamentals, ebook, book programming, C#, CSharp, C# book, tutorial, C# tutorial; programming concepts, programming fundamentals, compiler, Visual Studio, .NET, .NET Framework, data types, variables, expressions, statements, console, conditional statements, control-flow logic, loops, arrays, numeral systems, methods, strings, text processing, StringBuilder, exceptions, exception handling, stack trace, streams, files, text files, linear data structures, list, linked list, stack, queue, tree, balanced tree, graph, depth-first search, DFS, breadth-first search, BFS, dictionaries, hash tables, associative arrays, sets, algorithms, sorting algorithm, searching algorithms, recursion, combinatorial algorithms, algorithm complexity, OOP, object-oriented programming, classes, objects,

constructors, fields, properties, static members, abstraction, interfaces, encapsulation, inheritance, virtual methods, polymorphism, cohesion, coupling, enumerations, generics, namespaces, UML, design patterns, extension methods, anonymous types, lambda expressions, LINQ, code quality, high-quality code, high-quality classes, high-quality methods, code formatting, self-documenting code, code refactoring, problem solving, problem solving methodology, 9789544007737, 9544007733

WCF 4.0 Multi-tier Services Development with LINQ to Entities-Mike Liu 2010 This book is a step-by-step tutorial to guide you through learning WCF and LINQ to Entities. You will be guided to create five WCF and LINQ solutions from scratch, of which three are multi-tiered real-world WCF service solutions, so you will not only be reading, but also be coding through the book, to gain practical experience of WCF and LINQ to Entities. Various test clients will be associated with each solution and these solutions can be built and run independently of other solutions. Clear step-by-step instructions and relevant screenshots will make sure you won't get lost in the new world of WCF and LINQ to Entities. Configuration files, host applications, test clients, and WCF services for each solution will also be available for download for you to examine, modify, and debug from the outside in. The book focuses on the essentials of using WCF and LINQ to Entities, rather than providing a reference to every single possibility. It leaves the reference material online where it belongs, and concentrates instead on practical examples, code, and advice. This book is for C# and C++ developers who are eager to get started with WCF and LINQ to Entities, and want a book that is practical and rich with examples from the very beginning. Developers and architects evaluating SOA implementation technologies for their company will find this book particularly useful because it gets you started with Microsoft's tools for SOA and shows you how to customize our examples for your prototypes. This book presumes basic knowledge of C# or C++. Previous experience with Visual Studio will be helpful but is not required, as detailed instructions are given throughout the book.

WCF Multi-layer Services Development with Entity Framework - Fourth Edition-Mike Liu 2014-10-31 If you are a C#, VB.NET, or C++ developer and want to get started with WCF and Entity Framework, then this book is for you. Competence in Entity Framework will be needed to follow the examples in the book, but experience in creating WCF services using Entity Framework is not necessary. Developers and architects evaluating SOA implementation technologies for their company will find this book useful.

RESTful .NET-Jon Flanders 2008-11-21 RESTful .NET is the first book that teaches Windows developers to build RESTful web services using the latest Microsoft tools. Written by Windows Communication Foundation (WCF) expert Jon Flanders, this hands-on tutorial demonstrates how you can use WCF and other components of the .NET 3.5 Framework to build, deploy and use REST-based web services in a variety of application scenarios. RESTful architecture offers a simpler approach to building web services than SOAP, SOA, and the cumbersome WS- stack. And WCF has proven to be a flexible technology for building distributed systems not necessarily tied to WS- standards. RESTful .NET provides you with a complete guide to the WCF REST programming model for building web services consumed either by machines or humans. You'll learn how to: Program Read-Only (GET) services Program READ/WRITE services Host REST services Program REST feeds Program AJAX REST clients Secure REST endpoints Use workflow to deliver REST services Consume RESTful XML services using WCF Work with HTTP Work with ADO.NET Data Services (Astoria) RESTful .NET introduces you to the ideas of REST and RESTful architecture, and includes a detailed discussion of how the Web/REST model plugs into the WCF architecture. If you develop with .NET, it's time to jump on the RESTful bandwagon. This book explains how. "While REST is simple, WCF is not. To really understand and exploit this part of WCF requires a knowledgeable and experienced guide. I don't know anybody who's better suited for this role than Jon Flanders. ...Jon is first-rate at explaining complicated things. This book is the best introduction I've seen to creating and using these services with WCF."--David Chappell, Chappell & Associates

Beginning Microsoft Visual Basic 2008-Thearon Willis 2008-04-30 Beginning Microsoft Visual Basic 2008 is designed to teach you how to write useful programs in Visual Basic 2008 as quickly and easily as possible. There are two kinds of beginners for whom this book is ideal: You're a beginner to programming and you've chosen Visual Basic 2008 as the place to start. That's a great choice! Visual Basic 2008 is not only easy to learn, it's also fun to use and very powerful. You can program in another language but you're a beginner to .NET programming.

Again, you've made a great choice! Whether you've come from Fortran or Visual Basic 6, you'll find that this book quickly gets you up to speed on what you need to know to get the most from Visual Basic 2008. Visual Basic 2008 offers a great deal of functionality in both tools and language. No one book could ever cover Visual Basic 2008 in its entirety—you would need a library of books. What this book aims to do is to get you started as quickly and easily as possible. It shows you the roadmap, so to speak, of what there is and where to go. Once we've taught you the basics of creating working applications (creating the windows and controls, how your code should handle unexpected events, what object-oriented programming is, how to use it in your applications, and so on), we'll show you some of the areas you might want to try your hand at next. To this end, the book is organized as follows: Chapters 1 through 9 provide an introduction to Visual Studio 2008 and Windows programming. Chapter 6 provides an introduction to XAML and Windows Presentation Foundation (WPF) programming. Chapter 10 provides an introduction to application debugging and error handling. Chapters 11 through 13 provide an introduction to object-oriented programming and building objects. Chapter 14 provides an introduction to creating Windows Forms user controls. Chapter 15 provides an introduction to graphics in Windows applications. Chapters 16 and 17 provide an introduction to programming with databases and covers Access, SQL Server, ADO.NET and LINQ. Chapters 18 and 19 provide an introduction to ASP.NET and show you how to write applications for the Web. Chapter 20 provides a brief introduction to XML, a powerful tool for integrating your applications—regardless of the language they were written in. Chapter 21 introduces you to web services and the Windows Communication Foundation (WCF). Chapter 22 introduces you to sequential workflows using the Windows Workflow Foundation (WF). Chapter 23 introduces you to building applications for mobile devices using the Compact Framework classes. Chapter 24 introduces you to deploying applications using ClickOnce technology. Chapter 25 provides some insight on where to go next in your journey to learn about Visual Basic 2008. Appendix A provides the answers to chapter exercises. Appendix B introduces the Microsoft Solution Framework. Appendix C provides some background on security. Appendix D provides insight into Windows CardSpace. Appendix E compares the differences between the latest versions of the .NET Framework.

ASP.NET 3.5 For Dummies-Ken Cox 2011-02-08 Did you volunteer to create a Web site for the softball team? Is it time to take your small business to the next level and let your customers shop online? Well, you can relax! ASP.NET 3.5 makes creating a dynamic site faster and cleaner than ever before, and ASP.NET 3.5 For Dummies makes it easier. First, you'll get an introduction to all the tools and terminology you need to understand ASP.NET. If you've used earlier versions of ASP.NET and Visual Web Developer, you can probably skip that part and jump right into what's new in 3.5. You'll make friends with LINQ and SQL, create sites in Visual Web Developer 2008 Express, and much more. Before you know it, you'll discover how to: Integrate data, track shopping cart contents, and whisk away bugs Create user interfaces with easy navigation Use the ListView control for sophisticated formatting Write LINQ queries Add a table to a database Create an event handler Take advantage of the drag 'n' drop feature that lets you write less code Put all the features to work to develop dynamic Web applications The softball team is going to love that Web site, and your customers might enjoy shopping on your site so much that you'll have to expand your business to fill all the orders! We can't promise that, of course, but we're pretty sure that ASP.NET 3.5 For Dummies will make creating Web sites easier and a lot more fun.

Microsoft Silverlight 4 Data and Services Cookbook-Gill Cleeren 2010-04-26 Over 80 practical recipes for creating rich, data-driven business applications in Silverlight with this book and eBook.

Microsoft Visual Studio 2010: A Beginner's Guide-Joe Mayo 2010-04-05 Essential Skills--Made Easy! Written by a Microsoft MVP and Visual Studio expert, this hands-on guide gets you started with the latest release of Microsoft's flagship Integrated Development Environment (IDE). Microsoft Visual Studio 2010: A Beginner's Guide shows you how to build applications from the ground up, covering C#, VB.NET, ASP.NET, Silverlight, Windows Presentation Foundation (WPF), and Windows Communication Foundation (WCF). You'll also learn how to customize the IDE, adding your own tools that integrate with Visual Studio 2010, and edit and debug your applications. Designed for Easy Learning Key Skills & Concepts--Chapter-opening lists of specific skills covered in the chapter Notes--Extra information related to the topic being covered Tips--Helpful reminders or alternate ways of doing things Annotated Syntax--Example code with commentary that describes the programming techniques being illustrated Joe Mayo is an independent consultant, specializing in Microsoft.NET technologies. He is the author of LINQ Programming and other books. Joe is also the recipient of multiple Microsoft MVP awards.

Programming Entity Framework-Julia Lerman 2010-08-09 Get a thorough introduction to ADO.NET Entity Framework 4 -- Microsoft's core framework for modeling and interacting with data in .NET applications. The second edition of this acclaimed guide provides a hands-on tour of the framework latest version in Visual Studio 2010 and .NET Framework 4. Not only will you learn how to use EF4 in a variety of applications, you'll also gain a deep understanding of its architecture and APIs. Written by Julia Lerman, the leading independent authority on the framework, Programming Entity Framework covers it all -- from the Entity Data Model and Object Services to WCF Services, MVC Apps, and unit testing. This book highlights important changes for experienced developers familiar with the earlier version. Understand the core concepts you need to make the best use of the EF4 in your applications Learn to query your data, using either LINQ to Entities or Entity SQL Create Windows Forms, WPF, ASP.NET Web Forms, and ASP.NET MVC applications Build and consume WCF Services, WCF Data Services, and WCF RIA Services Use Object Services to work directly with your entity objects Create persistent ignorant entities, repositories, and write unit tests Delve into model customization, relationship management, change tracking, data concurrency, and more Get scores of reusable examples -- written in C# (with notes on Visual Basic syntax) -- that you can implement right away

Pro ASP.NET Web API-Ali Uurlu 2013-11-26 Pro ASP.NET Web API shows you how to build flexible, extensible web services that run seamlessly on a range of operating systems and devices, from desktops to tablets to smart phones—even the ones we don't know today. ASP.NET Web API is a new framework designed to simplify web service architecture. So if you're tired of interoperability issues between inflexible web services and clients tied to specific platforms or programming languages, or if you've ever struggled with WCF, this book is for you. To start with, you'll get up to speed on Web API's modern HTTP programming model, REST and your hosting options. You'll then dive into building a real application over a series of three chapters, so you can get an immediate feel for how this technology works in practice. The second half of the book features dedicated chapters on topics like routing, controllers, validation and tracing, and the authors close with discussions on performance, hosting and an all-important look at unit testing to help you prepare your application for the real world. ASP.NET Web API makes HTTP a first-class citizen of .NET. With Pro ASP.NET Web API, you can build HTTP-based web services for your company or business, expose your data to the world across different formats and devices and gain the best possible global reach for your application.

Learning ASP.NET Core 2.0-Jason De Oliveira 2017-12-14 Learn how web applications can be built efficiently using ASP.NET Core 2.0 and related frameworks About This Book Get to grips with the new features and APIs introduced in ASP.NET Core 2.0 Leverage the MVC framework and Entity Framework Core 2 to build efficient applications Learn to deploy your web applications in new environments such as the cloud and Docker Who This Book Is For This book is for developers who would like to build modern web applications with ASP.NET Core 2.0. No prior knowledge of ASP.NET or .NET Core is required. However, basic programming knowledge is assumed. Additionally, previous Visual Studio experience will be helpful but is not required, since detailed instructions will guide through the samples of the book. This book can also help people, who work in infrastructure engineering and operations, to monitor and diagnose problems during the runtime of ASP.NET Core 2.0 web applications. What You Will Learn Set up your development environment using Visual Studio 2017 and Visual Studio Code Create a fully automated continuous delivery pipeline using Visual Studio Team Services Get to know the basic and advanced concepts of ASP.NET Core 2.0 with detailed examples Build an MVC web application and use Entity Framework Core 2 to access data Add Web APIs to your web applications using RPC, REST, and HATEOAS Authenticate and authorize users with built-in ASP.NET Core 2.0 features Use Azure, Amazon Web Services, and Docker to deploy and monitor your applications In Detail The ability to develop web applications that are highly efficient but also easy to maintain has become imperative to many businesses. ASP.NET Core 2.0 is an open source framework from Microsoft, which makes it easy to build cross-platform web applications that are modern and dynamic. This book will take you through all of the essential concepts in ASP.NET Core 2.0, so you can learn how to build powerful web applications. The book starts with a brief introduction to the ASP.NET Core framework and the improvements made in the latest release, ASP.NET Core 2.0. You will then build, test, and debug your first web application very quickly. Once you understand the basic structure of ASP.NET Core 2.0 web applications, you'll dive deeper into more complex concepts and scenarios. Moving on, we'll explain how to take advantage of widely used frameworks such as Model View Controller and Entity Framework Core 2 and you'll

learn how to secure your applications. Finally, we'll show you how to deploy and monitor your applications using Azure, AWS, and Docker. After reading the book, you'll be able to develop efficient and robust web applications in ASP.NET Core 2.0 that have high levels of customer satisfaction and adoption. Style and approach Start an exciting journey to building high performance web applications using ASP.NET Core 2.0 and MVC

Wcf Multi-Tier Services Development with Linq-Mike Liu 2008-12-06 Build SOA applications on the Microsoft platform in this hands-on with this book and eBook.

Learning WCF-Michele Leroux Bustamante 2007-05-24 This easy-to-use introduction to Microsoft Windows Communication Foundation (WCF) is ideal for developers who want to learn to build services on a company network or as part of an enterprise system. Built into Windows Vista and Longhorn, and available for Windows XP and Windows 2003, WCF provides a platform for service-oriented architecture (SOA) that enables secure and reliable communication among systems within an organization or across the Internet. With WCF, software developers can focus on their business applications and not the plumbing required to connect them. Furthermore, with WCF developers can learn a single programming API to achieve results previously provided by ASMX, Enterprise Services and .NET Remoting. Learning WCF removes the complexity of using this platform by providing detailed answers, explanations and code samples for the most common questions asked by software developers. Windows Communication Foundation (or WCF, formerly code name "Indigo") provides a set of programming APIs that make it easy to build and consume secure, reliable, and transacted services. This platform removes the need for developers to learn different technologies such as ASMX, Enterprise Services and .NET Remoting, to distribute system functionality on a corporate network or over the Internet. The first truly service-oriented platform, WCF provides innovations that decouple service design and development from deployment and distribution - creating a more flexible and agile environment. WCF also encapsulates all of the latest web service standards for addressing, security, reliability and more.

Expert ASP.NET 2.0 Advanced Application Design-Tom Barnaby 2006-11-22 * This book surveys the different technologies and servers that are available for you to use with ASP.NET and maps the "Quality Attributes" of Application Architecture for these different servers. * The author has been using ASP.NET since the technology preview of the .NET 1.0 Framework. He has put scores of ASP.NET applications into production for large enterprise companies and universities. * This book is written with today's technology, with an eye on the future.

Beginning Visual C# 2010-Karli Watson 2011-02-08 Update to Wrox's leading C# book for beginners Get ready for the next release of Microsoft's C# programming language with this essential Wrox beginner's guide. Beginning Microsoft Visual C# 2010 starts with the basics and brings you thoroughly up to speed. You'll first cover the fundamentals such as variables, flow control, and object-oriented programming and gradually build your skills for Web and Windows programming, Windows forms, and data access. Step-by-step directions walk you through processes and invite you to "Try it Out," at every stage. By the end, you'll be able to write useful programming code following the steps you've learned in this thorough, practical book. The C# 4 programming language version will be synonymous with writing code with in C# 2010 in Visual Studio 2010, and you can use it to write Windows applications, Web apps with ASP.NET, and Windows Mobile and Embedded CE apps Provides step-by-step instructions for mastering topics such as variables, flow controls, and object-oriented programming before moving to Web and Windows programming and data access Addresses expressions, functions, debugging, error handling, classes, collections, comparisons, conversions, and more If you've always wanted to master Visual C# programming, this book is the perfect one-stop resource. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Beginning ASP.NET Security-Barry Dorrans 2010-04-27 Programmers: protect and defend your Web apps against attack! You may know ASP.NET, but if you don't understand how to secure your applications, you need this book. This vital guide explores the often-overlooked topic of teaching programmers how to design ASP.NET Web applications so as to prevent online thefts and security breaches. You'll start with a thorough look at ASP.NET 3.5 basics and see happens when you don't implement security, including some amazing examples. The

book then delves into the development of a Web application, walking you through the vulnerable points at every phase. Learn to factor security in from the ground up, discover a wealth of tips and industry best practices, and explore code libraries and more resources provided by Microsoft and others. Shows you step by step how to implement the very latest security techniques Reveals the secrets of secret-keeping—encryption, hashing, and not leaking information to begin with Delves into authentication, authorizing, and securing sessions Explains how to secure Web servers and Web services, including WCF and ASMX Walks you through threat modeling, so you can anticipate problems Offers best practices, techniques, and industry trends you can put to use right away Defend and secure your ASP.NET 3.5 framework Web sites with this must-have guide.

C# Network Programming-Richard Blum 2006-02-20 On its own, C# simplifies network programming. Combine it with the precise instruction found in C# Network Programming, and you'll find that building network applications is easier and quicker than ever. This book helps newcomers get started with a look at the basics of network programming as they relate to C#, including the language's network classes, the Winsock interface, and DNS resolution. Spend as much time here as you need, then dig into the core topics of the network layer. You'll learn to make socket connections via TCP and "connectionless" connections via UDP. You'll also discover just how much help C# gives you with some of your toughest chores, such as asynchronous socket programming, multithreading, and multicasting. Network-layer techniques are just a means to an end, of course, and so this book keeps going, providing a series of detailed application-layer programming examples that show you how to work with real protocols and real network environments to build and implement a variety of applications. Use SNMP to manage network devices, SMTP to communicate with remote mail servers, and HTTP to Web-enable your applications. And use classes native to C# to query and modify Active Directory entries. Rounding it all out is plenty of advanced coverage to push your C# network programming skills to the limit. For example, you'll learn two ways to share application methods across the network: using Web services and remoting. You'll also master the security features intrinsic to C# and .NET--features that stand to benefit all of your programming projects.

REST in Practice-Jim Webber 2010-09-17 REST continues to gain momentum as the best method for building Web services, and this down-to-earth book delivers techniques and examples that show how to design and implement integration solutions using the REST architectural style.

Entity Framework Tutorial-Joydip Kanjilal 2015-08-24 A comprehensive guide to the Entity Framework with insight into its latest features and optimizations for responsive data access in your projects About This Book Create Entity data models from your database and use them in your applications Learn about the Entity Client data provider and write statements in Entity SQL to perform CRUD operations Explore ADO.NET Data Services and how they work with the Entity Framework Who This Book Is For If you are a C# developer who wants to learn a new way of querying data and utilizing it in applications efficiently for data binding or other operations, then this book is for you. Basic knowledge of ADO.NET is assumed. What You Will Learn Explore the features of the ADO.NET Entity Framework Understand the concepts of entities and their relationships Create an Entity Data Model using the ADO.NET Entity Data Model Designer and the EdmGen tool Extend existing Entity Types to create your own Entity Types Write programs against the Entity Data Model to perform CRUD operations Discover ADO.NET Data Services and learn how they can be used with the Entity Framework Familiarize yourself with WCF Data Services (formerly ADO.NET Data Services) Apply Code First, Model First and Database First approaches In Detail The ADO.NET Entity Framework from Microsoft is a new ADO.NET development framework that provides a level of abstraction for data access strategies and solves the impedance mismatch issues that exist between different data models. This book explores Microsoft's Entity Framework and explains how it can be used to build enterprise level applications. It will also teach you how you can work with RESTful Services and Google's Protocol Buffers with Entity Framework and WCF. You will explore how to use Entity Framework with ASP.NET Web API and also how to consume the data exposed by Entity Framework from client applications of varying types, i.e., ASP.NET MVC, WPF and Silverlight. You will familiarize yourself with the new features and improvements introduced in Entity Framework including enhanced POCO support, template-based code generation, tooling consolidation and connection resiliency. By the end of the book, you will be able to successfully extend the new functionalities of Entity framework into your project. Style and approach This book is a step-by-step tutorial providing hands-on code examples with detailed explanations. The book aims to explain the

concepts of the Entity Framework and illustrate how you can use these in applications with a tutorial based approach.

Pro WCF 4-Nishith Pathak 2011-08-28 Pro WCF 4.0: Practical Microsoft SOA Implementation is a complete guide to Windows Communication Foundation from the service-oriented architecture (SOA) perspective, showing you why WCF is important to service-oriented architecture and development. This book provides deep insight into the functionality of WCF, which shipped with .NET 4.0-like service discovery, routing service, simplified configuration, and other advanced features. Included in this title are informative examples that will aid the reader in understanding and implementing these important additions. This book also covers the unified programming model, reliable messaging, security, and the peer-to-peer programming model. You'll also learn how to move your current .NET remoting and web service applications to WCF, and how to integrate those applications with WCF 4. This book offers genuine insight into solving real enterprise problems using WCF and .NET 4.0.

Professional WCF Programming-Scott Klein 2007-07-02

Microsoft Windows Communication Foundation Step by Step-John Sharp 2007-01-01 Teach yourself the essentials of Windows Communication Foundation—one step at a time. With this practical tutorial, you get hands-on guidance for creating the Web services you need to implement robust business applications for Windows. Discover how to: Build and host a Web service Design service contracts and data contracts Maintain state information and support transactions Programmatically configure bindings and endpoints Use load-balancing and perform content-based message routing Implement message encryption, authentication, authorization Optimize performance with service throttling, encoding, and streaming Implement asynchronous operations, oneway methods, and events Create services that interoperate with ASP.NET and COM+ CD features: Files for practice exercises Code samples Fully searchable eBook A Note Regarding the CD or DVD The print version of this book ships with a CD or DVD. For those customers purchasing one of the digital formats in which this book is available, we are pleased to offer the CD/DVD content as a free download via O'Reilly Media's Digital Distribution services. To download this content, please visit O'Reilly's web site, search for the title of this book to find its catalog page, and click on the link below the cover image (Examples, Companion Content, or Practice Files). Note that while we provide as much of the media content as we are able via free download, we are sometimes limited by licensing restrictions. Please direct any questions or concerns to booktech@oreilly.com.

Windows Developer Power Tools-James Avery 2007-06-26 A wealth of open and free software is available today for Windows developers who want to extend the development environment, reduce development effort, and increase productivity. This encyclopedic guide explores more than 100 free and open source tools available to programmers who build applications for Windows desktops and servers.

Beginning XML with C# 7-Bipin Joshi 2017-11-27 Master the basics of XML as well as the namespaces and objects you need to know in order to work efficiently with XML. You'll learn extensive support for XML in everything from data access to configuration, from raw parsing to code documentation. You will see clear, practical examples that illustrate best practices in implementing XML APIs and services as part of your C#-based Windows 10 applications. Beginning XML with C# 7 is completely revised to cover the XML features of .NET Framework 4.7 using C# 7 programming language. In this update, you'll discover the tight integration of XML with ADO.NET and LINQ as well as additional .NET support for today's RESTful web services and Web API. Written by a Microsoft Most Valuable Professional and developer, this book demystifies everything to do with XML and C# 7. What You Will Learn: Discover how XML works with the .NET Framework Read, write, access, validate, and manipulate XML documents Transform XML with XSLT Use XML serialization and web services Combine XML in ADO.NET and SQL Server Create services using Windows Communication Foundation Work with LINQ Use XML with Web API and more Who This Book Is For :Those with experience in C# and .NET new to the nuances of using XML. Some XML experience is helpful.

Pro WCF-Amit Bahree 2007-05-02 Part of Microsoft's radical new WinFX API is the foundation code-named Indigo, now commonly known as Windows Communication Foundation (WCF). WCF technology allows web developers to create services that communicate and interoperate with each other and other programs and applications. This text is real-world oriented, offering a practical WCF programming model, and chapters on creating a WCF web service; hosting and consuming WCF services; deploying and managing WCF services; reliable messaging and queue management, and WCF Security. As there are currently few books available on WCF, this book will be useful to WCF developers, who tend to be early adopters.

Microsoft Application Architecture Guide-Microsoft Patterns & Practices Team 2009 Get the definitive guide on designing applications on the Microsoft application platform—straight from the Microsoft patterns & practices team. Learn how to choose the most appropriate architecture and the best implementation technologies that the Microsoft application platform offers applications developers. Get critical design recommendations and guidelines organized by application type—from Web, mobile, and rich Internet applications to Office Business Applications. You'll also get links to additional technical resources that can help with your application development.

Beginning JQuery 2 for ASP.NET Developers-Bipin Joshi 2013-12-07 jQuery is the most popular JavaScript library in use today, appearing on nearly two thirds of the 10,000 most visited sites on the web. With this sort of popularity, it's clear that ASP.NET developers can't afford to miss out. By combining jQuery with ASP.NET you get the best of both worlds: the client-side interactivity and responsiveness of JavaScript with the robustness and extensibility of Microsoft's web stack. Beginning jQuery 2 for ASP.NET Developers shows you how. To begin with, you'll find out how jQuery hooks up with your ASP.NET controls, and simplifies event handling by keeping it in the browser. Then you'll learn to handle dynamic content and responsive layouts by interacting with the DOM. Effects and animations are one of the most popular uses of the jQuery library, so we cover that next—showing you how to get a sleek modern look and feel to your site using some of the vast library of JavaScript that's already out there waiting to be used. Ajax is one of the areas where jQuery really shines, so you'll find out how to make Ajax calls to a web service and get data onto a page without waiting for slow ASP.NET postbacks every time. And no book on jQuery would be complete without jQuery Mobile: the popular mobile web framework that gets you writing sites that work across all the major mobile platforms. What you'll learn
Select DOM elements using powerful jQuery selectors
Use jQuery with ASP.NET server controls, ASP.NET MVC form fields and other DOM elements
Manipulate and traverse the DOM tree and add jQuery effects to ASP.NET web pages
Make Ajax calls and pass JSON data to Web Services, Web Methods, WCF services, controller action methods, HTTP handlers and Web APIs
Understand code reuse by creating and using jQuery plugins
Get introduced to jQuery UI and jQuery mobile and use them in ASP.NET Web Forms and MVC applications
Who this book is for This book is for novice to intermediate developers who want to improve and enhance their ASP.NET Web Forms and ASP.NET MVC projects with client-side scripting.
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Pro C# 7-Andrew Troelsen 2017-11-21 This essential classic title provides a comprehensive foundation in the C# programming language and the frameworks it lives in. Now in its 8th edition, you'll find all the very latest C# 7.1 and .NET 4.7 features here, along with four brand new chapters on Microsoft's lightweight, cross-platform framework, .NET Core, up to and including .NET Core 2.0. Coverage of ASP.NET Core, Entity Framework (EF) Core, and more, sits alongside the latest updates to .NET, including Windows Presentation Foundation (WPF), Windows Communication Foundation (WCF), and ASP.NET MVC. Dive in and discover why Pro C# has been a favorite of C# developers worldwide for over 15 years. Gain a solid foundation in object-oriented development techniques, attributes and reflection, generics and collections as well as numerous advanced topics not found in other texts (such as CIL opcodes and emitting dynamic assemblies). With the help of this book you'll have the confidence to put C# into practice and explore the .NET universe on your own terms. What You Will Learn
Discover the latest C# 7.1 features, from tuples to pattern matching
Hit the ground running with Microsoft's

lightweight, open source .NET Core platform, including ASP.NET Core MVC, ASP.NET Core web services, and Entity Framework Core
Find complete coverage of XAML, .NET 4.7, and Visual Studio 2017
Understand the philosophy behind .NET and the new, cross-platform alternative, .NET Core

Programming Microsoft SQL Server 2012-Andrew Brust 2012-07-15 Your essential guide to key programming features in Microsoft SQL Server 2012 Take your database programming skills to a new level—and build customized applications using the developer tools introduced with SQL Server 2012. This hands-on reference shows you how to design, test, and deploy SQL Server databases through tutorials, practical examples, and code samples. If you're an experienced SQL Server developer, this book is a must-read for learning how to design and build effective SQL Server 2012 applications. Discover how to:
Build and deploy databases using the SQL Server Data Tools IDE
Query and manipulate complex data with powerful Transact-SQL enhancements
Integrate non-relational features, including native file streaming and geospatial data types
Consume data with Microsoft ADO.NET, LINQ, and Entity Framework
Deliver data using Windows Communication Foundation (WCF) Data Services and WCF RIA Services
Move your database to the cloud with Windows Azure SQL Database
Develop Windows Phone cloud applications using SQL Data Sync
Use SQL Server BI components, including xVelocity in-memory technologies

Microsoft Windows Communication Foundation-Craig McMurtry 2006 Provides information on using Indigo, a new technology that allows software to communicate.

HTML5 Boilerplate Web Development-Divya Manian 2013-01-31 This book is a step-by-step tutorial to guide you through learning WCF and Entity Framework. Clear step-by-step instructions and relevant screenshots will make sure you won't get lost in the new world of WCF and Entity Framework. Configuration files, host applications, test clients, and WCF services for each solution will also be available for download for you to examine, modify, and debug from the outside in. The book focuses on the essentials of using WCF and Entity Framework, rather than providing a reference to every single possibility. It leaves the reference material online where it belongs, and concentrates instead on practical examples, code, and advice. This book is for C#, VB.NET, and C++ developers who are eager to get started with WCF and Entity Framework, and want a book that is practical and rich with examples from the very beginning. Developers and architects evaluating SOA implementation technologies for their company will find this book particularly useful because it gets you started with Microsoft's tools for SOA and shows you how to customize our examples for your prototypes. This book presumes basic knowledge of C# or C++. Previous experience with Visual Studio will be helpful but is not required, as detailed instructions are given throughout the book.

Microsoft ASP.NET 4 Step by Step-George Shepherd 2010-05-15 Teach yourself the fundamentals of Web development with ASP.NET 4—one step at a time. With STEP BY STEP, you get the guidance and learn-by-doing examples you need to start building Web applications and Web services in the Microsoft Visual Studio(R) 2010 environment. The author—a highly regarded programming expert, writer, and instructor—illuminates ASP.NET features through practical examples that help developers quickly grasp concepts and apply techniques to the real world. The book also includes a companion CD with code samples, data sets, and a fully searchable eBook. For customers who purchase an ebook version of this title, instructions for downloading the CD files can be found in the ebook.

Expert C# 2008 Business Objects-Rockford Lhotka 2009-01-22 Do you want to create .NET applications that provide high performance and scalability? Do you want to employ object-oriented programming techniques in a distributed environment? Do you want to maximize the reuse and maintainability of your code? Then this book is for you. In Rockford Lhotka's Expert C# 2008 Business Objects, you'll learn how to use advanced .NET Framework capabilities alongside object-oriented design and programming to create scalable, maintainable object-oriented applications. Better still, this book includes Component-based Scalable Logical Architecture (CSLA) .NET 3.6, a widely-used framework on which you can base your application development. By using the concepts and framework in the book, you can focus more on your business issues and less on technology. Using

VS 2008 and C# 3.0, Rockford Lhotka shows you how CSLA .NET 3.6 allows great flexibility in object persistence, so business objects can use virtually any data sources available. The CSLA framework supports 1-, 2- and n-tier models through the concept of mobile objects. This provides the flexibility to optimize performance, scalability, security, and fault tolerance with no changes to code in the UI or business objects. Business objects based on CSLA.NET 3.6 automatically gain many advanced features that simplify the creation of Windows forms, web forms, WPF, WCF, WF, and web services interfaces, and LINQ.

C# Programming-Jonas Fagerberg 2013-11-16 Here's what two developers wrote to me about the book: "C# Tutorials" is a tightly written but yet comprehensive book that covers everything you need to know to master the C# language. The book has plenty of code examples and is littered with references to additional reading for real in-depth knowledge. I highly recommend this book for anyone aspiring to pass the MCS D Exam 70-483. - Peter Rook, independent software consultant I particularly like that there is no fluff to fill out the book, that is so common in these types of books. The examples are short, clean and "to the point." The illustrations are nice, the code is very well written, the book is airy and has nice formatting. The book covers a lot, I read it to advance my competence in C#/VS 2012/.NET. This is a very nice book, well done! - Thomas Engelin, independent software consultant It does not matter if you are just starting out with Visual C# or if you have been working as a solution developer for a while, this book has much to offer you. The book is easy to read and understand, with a lot of complete code samples. The first chapters of the book describe the fundamentals of the C# language such as variables, loops and methods. The book then gets progressively more challenging, describing, among other things, WCF Services, asynchronous operations, synchronizing concurrent data, reflection, the CodeDOM, and encrypting data. If you are aspiring to take the Microsoft exam 70-483 this book is an asset you do not want to miss out on. Apart from great code samples, it also contains a lot of suggested reading to make certain that you stand the best chance to complete the exam successfully. The author has worked professionally with Visual C# since it was released, and has taught C# and Visual Basic.NET as a Microsoft Certified Instructor for a number of years during his career.

Essential Windows Communication Foundation (WCF)-Richard Crane 2008-02-11 "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 Communication 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 System. Foreword xxv Preface xxvii Chapter 1: Basics 1 Chapter 2: Contracts 33 Chapter 3: Channels 91 Chapter 4: Bindings 111 Chapter 5: Behaviors 181 Chapter 6: Serialization and Encoding 241 Chapter 7: Hosting 287 Chapter 8: Security 315 Chapter 9: Diagnostics 375 Chapter 10: Exception Handling 403 Chapter 11: Workflow Services 423 Chapter 12: Peer Networking 459 Chapter 13: Programmable Web 503 Appendix: Advanced Topics 537 Index 553

Beginning C# Object-Oriented Programming-Dan Clark 2011-08-12 Beginning C# Object-Oriented Programming brings you into the modern world of development as you master the fundamentals of programming with C# and learn to develop efficient, reusable, elegant code through the object-oriented programming (OOP) methodology. Take your skills out of the 20th century and into this one with Dan Clark's accessible, quick-paced guide to C# and object-oriented programming, completely updated for .NET 4.0 and C# 4.0. As you develop techniques and best practices for coding in C#, one of the world's most popular contemporary languages, you'll experience modeling a "real world" application through a case study, allowing you to see how both C# and OOP (a methodology you can use with any number of languages) come together to make your code reusable, modern, and efficient. With more than 30 fully hands-on activities, you'll discover how to transform a simple model of an application into a fully-functional C# project, including designing the user interface, implementing the business logic, and integrating with a relational database for data storage. Along the way, you will explore the .NET Framework, the creation of a Windows-based user interface, a web-based user interface, and service-oriented programming, all using Microsoft's industry-leading Visual Studio 2010, C#, Silverlight, the Entity Framework, and more.