Essential Windows Workflow Foundation

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Essential Windows Workflow Foundation Dharma Shukla,Bob Schmidt,2006-10-05 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 designer hosting Custom control flow patterns ranging from simple sequencing and iteration to more complex graphs and state machines Dynamic editing of running WF program instances Essential Windows Workflow Foundation is the definitive resource for developers seeking an in depth understanding of this novel technology   Essential Windows Presentation Foundation (WPF) Chris Anderson,2007-04-11 Windows Presentation Foundation WPF replaces Microsoft s diverse presentation technologies with a unified state of the art platform for building rich applications WPF combines the best of Windows and the Web fully integrates user interfaces documents and media and leverages the full power of XML based declarative programming In Essential Windows Presentation Foundation former WPF architect Chris Anderson systematically introduces this breakthrough platform focusing on the concepts and techniques working developers need in order to build robust applications for real users Drawing on his unique experience as an architect on the team Anderson thoroughly illuminates the crucial new concepts underlying WPF and reveals how its APIs work together to offer developers unprecedented value Through working sample code you ll discover how WPF draws on the Web s simple models for markup and deployment common frame for applications and rich server connectivity and on Windows rich client model simple programming model strong control over look and feel and rich networking Topics explored in depth include WPF components and architecture Key WPF design decisions and why they matter XAML markup language Controls Layouts Visuals and media including 2D 3D video and animation Data integration Actions Styles WPF Base Services   **Windows Communication Foundation 3.5 Unleashed** Craig McMurty,Nigel Watling,Matt Winkler,Marc Mercuri,2008-10-07 Windows Communication Foundation WCF is Microsoft s dynamic technology for allowing autonomous software to communicate Superseding earlier technologies such as COM DCOM NET

Remoting ASP NET Web Services and the Web Services Enhancements for NET WCF provides a single solution that is designed to always be the best way to exchange data among software entities It also provides the infrastructure for developing the next generation of Web Services with support for the WS family of specifications and a new serialization system for enhanced performance In the 3 5 release WCF has been expanded to include support for REST JSON and Syndication RSS and Atom services further broadening the possibilities for what can be done For information technology professionals WCF supplies an impressive array of administration tools that enterprises and software vendors can use to reduce the cost of ownership of their solutions without writing a single line of code Most important WCF delivers on the promise of model driven software development with the new software factory approach by which one can iteratively design solutions in a modeling language and generate executables from lower level class libraries Windows Communication Foundation 3 5 Unleashed is designed to be the essential resource for software developers and architects working with WCF The book guides readers through a conceptual understanding of all the facilities of WCF and provides step by step guides to applying the technology to practical problems As evangelists at Microsoft for WCF WF and CardSpace Craig McMurtry Marc Mercuri Nigel Watling and Matt Winkler are uniquely positioned to write this book They had access to the development team and to the product as it was being built Their work with enterprises and outside software vendors has given them unique insight into how others see the software how they want to apply it and the challenges they face in doing so Gives you nearly 100 best practices for programming with WCF Provides detailed coverage of how to version services that you will not find anywhere else Delves into using WCF together with Windows Workflow Foundation WF and Windows CardSpace Provides detailed coverage of the new high performance data contract serializer for NET Walks you through creating secure reliable transacted messaging and how to understand the available options Introduces you to federated claims based security and shows you how to incorporate SAML and WS Trust security token services into your architecture Provides step by step instructions for how to customize every aspect of WCF Shows you how to add behaviors communication channels message encoders and transports Presents options for implementing publish subscribe solutions Gives clear guidance on peer to peer communications with WCF   *Essential C# 2.0* Mark Michaelis,2006-07-13 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 synchronization and multi threaded patterns Interoperability 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   Essential Windows Communication Foundation (WCF) Richard Crane,Steve Resnick,Chris Bowen,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   *Professional BizTalk Server 2006* Darren Jefford,Kevin B. Smith,Ewan Fairweather,2007-04-27 This book provides insight into how industry experts have successfully architected developed and maintained Microsoft BizTalk Server in mission critical environments Authored by highly regarded consultants with a wealth of knowledge on designing building and operating enterprise applications using BizTalk this comprehensive guide gives you the techniques and best practices you ll need to develop effective projects Darren Jefford is a Principal Consultant with the Microsoft UK Application Development Consulting ADC team who has extensive real world experience with BizTalk Server and the broader Microsoft platform Kevin B Smith formerly worked as a Technical Lead Software Design Engineer for the BizTalk Server Product Team and helped ship three

versions of BizTalk Server Ewan Fairweather works as a Premier Field Engineer for Microsoft providing onsite support to enterprise customers including maintaining and optimizing their BizTalk Server solutions Achitects developers testers and administrators will achieve instant success when they apply the deep technical information covered in this book They will better appreciate the internal workings of BizTalk Server and will understand detailed solutions for challenges often experienced with BizTalk based systems   The C# Programming Language Anders Hejlsberg,Mads Torgersen,Scott Wiltamuth,Peter Golde,2008-10-08 Based on my own experience I can safely say that every NET developer who reads this will have at least one aha moment and will be a better developer for it From the Foreword by Don Box The popular C programming language combines the high productivity of rapid application development languages with the raw power of C and C Now C 3 0 adds functional programming techniques and LINQ Language INtegrated Query The C Programming Language Third Edition is the authoritative and annotated technical reference for C 3 0 Written by Anders Hejlsberg the language s architect and his colleagues Mads Torgersen Scott Wiltamuth and Peter Golde this volume has been completely updated and reorganized for C 3 0 The book provides the complete specification of the language along with descriptions reference materials code samples and annotations from nine prominent C gurus The many annotations a new feature in this edition bring a depth and breadth of understanding rarely found in any programming book As the main text of the book introduces the concepts of the C language cogent annotations explain why they are important how they are used how they relate to other languages and even how they evolved This book is the definitive must have reference for any developer who wants to understand C   Framework Design Guidelines Krzysztof Cwalina,Brad Abrams,2008-10-22 This is the eBook version of the print title Framework Design Guidelines Second Edition Access to all the samples applications and content on the DVD is available through the product catalog page www informit com title 9780321545619 Navigate to the Downloads tab and click on the DVD Contents links see instructions in back pages of your eBook Framework Design Guidelines Second Edition teaches developers the best practices for designing reusable libraries for the Microsoft NET Framework Expanded and updated for NET 3 5 this new edition focuses on the design issues that directly affect the programmability of a class library specifically its publicly accessible APIs This book can improve the work of any NET developer producing code that other developers will use It includes copious annotations to the guidelines by thirty five prominent architects and practitioners of the NET Framework providing a lively discussion of the reasons for the guidelines as well as examples of when to break those guidelines Microsoft architects Krzysztof Cwalina and Brad Abrams teach framework design from the top down From their significant combined experience and deep insight you will learn The general philosophy and fundamental principles of framework design Naming guidelines for the various parts of a framework Guidelines for the design and extending of types and members of types Issues affecting and guidelines for ensuring extensibility How and how not to design exceptions Guidelines for and examples of common framework design patterns Guidelines in this book are

presented in four major forms Do Consider Avoid and Do not These directives help focus attention on practices that should always be used those that should generally be used those that should rarely be used and those that should never be used Every guideline includes a discussion of its applicability and most include a code example to help illuminate the dialogue Framework Design Guidelines Second Edition is the only definitive source of best practices for managed code API development direct from the architects themselves A companion DVD includes the Designing NET Class Libraries video series instructional presentations by the authors on design guidelines for developing classes and components that extend the NET Framework A sample API specification and other useful resources and tools are also included **Designing Forms for Microsoft Office InfoPath and Forms Services 2007** Scott Roberts,Hagen Green,2007-02-05 Microsoft Office InfoPath represents a revolutionary leap in XML technologies and a new paradigm for gathering business critical information I am delighted that Scott Roberts and Hagen Green two distinguished members of the InfoPath product team decided to share their experience in this book From the Foreword by Jean Paoli cocreator of XML 1 0 and Microsoft Office InfoPath Microsoft Office InfoPath 2007 offers breakthrough tools for gathering managing and integrating business critical information and creating efficient forms driven processes Two longtime members of Microsoft s InfoPath product team have written the first comprehensive hands on guide to building successful XML based solutions with InfoPath 2007 The book opens with a practical primer on the fundamentals of InfoPath form template design for information workers and application developers at all levels of experience It then moves into advanced techniques for customizing integrating and extending form templates with all the code examples and detail needed by professional developers Learn how to Design form templates create blank form templates insert and customize controls use advanced formatting and construct and lay out views Work with data start with XML data or schema manually edit data sources and understand design time visuals Add custom business logic to forms and integrate them with other applications Retrieve and query data from external data sources including XML files databases SharePoint lists Web services and ADO NET DataSets Submit and receive form data using ADO NET Save preview and publish to e mail SharePoint and more Build reusable components with template parts Create workflows with SharePoint and InfoPath E Mail Forms Administer Forms Services and Web enabled form templates Build advanced form templates using C form code custom controls add ins and the new InfoPath 2007 managed object model Design form templates using Visual Studio Tools for Office VSTO Update secure and optimize your form templates List of Figures List of Tables Foreword Preface About the Authors PART I Designing Forms Chapter 1 Introduction to InfoPath 2007 Chapter 2 Basics of InfoPath Form Design Chapter 3 Working with Data Chapter 4 Advanced Controls and Customization Chapter 5 Adding Logic without Code Chapter 6 Retrieving Data from External Sources Chapter 7 Extended Features of Data Connections Chapter 8 Submitting Form Data Chapter 9 Saving and Publishing Chapter 10 Building Reusable Components Chapter 11 Security and Deployment Chapter 12 Creating Reports Chapter 13 Workflow Chapter 14 Introduction to Forms Services Part II Advanced

Form Design Chapter 15 Writing Code in InfoPath Chapter 16 Visual Studio Tools for Microsoft Office InfoPath 2007 Chapter 17 Advanced Forms Services Chapter 18 Hosting InfoPath Chapter 19 Building Custom Controls Using ActiveX Technologies Chapter 20 Add ins Chapter 21 Importers and Exporters Appendix Further Reading Index   **Visual Studio Team System** James W. Newkirk,Will W. Stott,2007-05-17 Visual Studio Team System VSTS gives Microsoft development teams a powerful integrated toolset for Agile development Visual Studio Team System Better Software Development for Agile Teams is a comprehensive start to finish guide to making the most of VSTS in real world Agile environments Using a book length case study the authors show how to use VSTS to improve every aspect of software development step by step from project planning through design and from coding through testing and deployment Agile consultant Will Stott and Microsoft development lead James Newkirk carefully integrate theory and practice offering hands on exercises practical insights into core Extreme Programming XP techniques and much more Coverage includes Using VSTS to support the transition to Agile values and techniques Forming Agile teams and building effective process frameworks Leveraging Team Foundation Version Control to help teams manage change and share their code effectively Implementing incremental builds and integration with Team Foundation Build Making the most of VSTS tools for Test Driven Development and refactoring Bringing agility into software modeling and using patterns to model solutions more effectively Using the FIT integrated testing framework to make sure customers are getting what they need Estimating prioritizing and planning Agile projects   **Visual Studio Tools for Office 2007** Eric Carter,Eric Lippert,2009-02-24 Visual Studio Tools for Office 2007 VSTO for Excel Word and Outlook is the definitive book on VSTO 2008 programming written by the inventors of the technology VSTO is a set of tools that allows professional developers to use the full power of Microsoft Visual Studio 2008 and the NET Framework to program against Microsoft Office 2007 This book delivers in one place all the information you need to succeed using VSTO to program against Word 2007 Excel 2007 and Outlook 2007 and provides the necessary background to customize Visio 2007 Publisher 2007 and PowerPoint 2007 It introduces the Office 2007 object models covers the most commonly used objects in those object models and will help you avoid the pitfalls caused by the COM origins of the Office object models Developers who wish to program against Office 2003 should consult Carter and Lippert s previous book Visual Studio Tools for Office In VSTO 2008 you can build add ins for all the major Office 2007 applications build application level custom task panes customize the new Office Ribbon modify Outlook s user interface using Form Regions and easily deploy everything you build using ClickOnce Carter and Lippert cover their subject matter with deft insight into the needs of NET developers learning VSTO based on the deep knowledge that comes from the authors unique perspective of living and breathing VSTO for the past six years This book Explains the architecture of Microsoft Office programming and introduces the object models Covers the main ways Office applications are customized and extended Explores the ways of customizing Excel Word and Outlook and plumbs the depths of programming with their events and object models Introduces the VSTO programming model Teaches how to use Windows

Forms and WPF in VSTO and how to work with the Document Actions Pane and application level task panes Delves into VSTO data programming and server data scenarios Teaches ClickOnce VSTO deployment This is the one book you need to succeed in programming against Office 2007 C and Visual Basic NET Code samples for download can be found here http www informit com store product aspx isbn 0321533216 **Essential LINQ** Charlie Calvert,Dinesh Kulkarni,2009-03-12 Charlie and Dinesh bring important skills to this project that enable them to show how LINQ works and the practical ways you can use it in your daily development process From the Foreword by Anders Hejlsberg LINQ is one of Microsoft s most exciting powerful new development technologies Essential LINQ is the first LINQ book written by leading members of Microsoft s LINQ and C teams Writing for architects developers and development managers these Microsoft insiders share their intimate understanding of LINQ revealing new patterns and best practices for getting the most out of it Calvert and Kulkarni begin by clearly explaining how LINQ resolves the long time impedance mismatch between object oriented code and relational databases Next they show how LINQ integrates querying into C as a first class citizen Using realistic code examples they show how LINQ provides a strongly typed IntelliSense aware technology for working with data from any source including SQL databases XML files and generic data structures Calvert and Kulkarni carefully explain LINQ s transformative composable and declarative capabilities By fully illuminating these three concepts the authors allow developers to discover LINQ s full power In addition to covering core concepts and hands on LINQ development in C with LINQ to Objects LINQ to XML LINQ to SQL and LINQ to Entities they also present advanced topics and new LINQ implementations developed by the LINQ community This book Explains the entire lifecycle of a LINQ project design development debugging and much more Teaches LINQ from both a practical and theoretical perspective Leverages C language features that simplify LINQ development Offers developers powerful LINQ query expressions to perform virtually any data related task Teaches how to query SQL databases for objects and how to modify those objects Demonstrates effective use stored procedures and database functions with LINQ Shows how to add business logic that reflects the specific requirements of your organization Teaches developers to create query and transform XML data with LINQ Shows how to transform object relational and XML data between each other Offers best patterns and practices for writing robust easy to maintain LINQ code *Advanced ASP.NET AJAX Server Controls For .NET Framework 3.5* Adam Calderon,Joel Rumerman,2008-06-26 ASP NET AJAX server controls can encapsulate even the most powerful AJAX functionality helping you build more elegant maintainable and scalable applications This is the first comprehensive code rich guide to custom ASP NET AJAX server controls for experienced ASP NET developers Unlike other books on ASP NET AJAX this book focuses solely on server control development and reflects the significant improvements in ASP NET 3 5 AJAX and the latest Visual Studio 2008 features for streamlining AJAX development Adam Calderon and Joel Rumerman first review the core Microsoft AJAX Library and JavaScript techniques needed to support a rich client side experience Next they build upon these techniques showing how to create distributable AJAX

enabled controls that include rich browser independent JavaScript client side functionality The authors thoroughly explain both the JavaScript and NET aspects of control development and how these two distinct environments come together to provide a foundation for building a rich user experience using ASP NET AJAX Create object oriented cross browser JavaScript that supports NET style classes interfaces inheritance and method overloading Work with components behaviors and controls and learn how they relate to DOM elements Learn Sys Application and the part it plays in object creation initialization and events in the Microsoft AJAX Library Build Extender and Script controls that provide integrated script generation for their corresponding client side counterparts Localize ASP NET AJAX controls including client script Discover ASP NET AJAX client and server communication architecture and the new support for Windows Communication Foundation WCF Understand ASP NET AJAX Application Services Create custom Application Services Design controls for a partial postback environment Understand the AJAX Control Toolkit architecture and the many features it provides Develop highly interactive controls using the AJAX Control Toolkit Understand AJAX Control Toolkit architecture and build controls that utilize the toolkit   Essential ASP.NET 2.0 Fritz Onion,Keith Brown,2006-10-30 No one knows ASP NET like Fritz Onion And no one knows NET security like Keith Brown Combine the two and what do you get The most comprehensive and enlightening book on ASP NET 2 0 industrywide I m sure you ll find the book you re holding was worth every penny Aaron Skonnard member of technical staff and cofounder Pluralsight Essential ASP NET 2 0 gets under the hood and dismantles the engine before your eyes Fritz and Keith understand that we as developers need to understand how it works and this book does exactly that Their explanation of the ASP NET 2 0 page event sequence is worth the price of the book alone Shawn Wildermuth Microsoft MVP C The ADO Guy Essential ASP NET 2 0 is an incredibly useful must read for any developer Many books drag you through theory and mindless detail but this one actually sets up the problems you may encounter with ASP NET 2 0 and rolls out the alternatives Patrick Hynds Microsoft Regional Director and President CriticalSites This book is essential for any ASP NET developer moving from version 1 x to 2 0 Onion and Brown not only cover the new features but provide a wealth of insight and detail about how to use them effectively Ron Petrusha author of Visual Basic 2005 The Complete Reference Drawing on their deep technical knowledge and real world experience Fritz and Keith take the reader into some of the less explored and much improved areas of ASP NET such as diagnostics and state management and performance Readers will turn to this book over and over again John Timney Microsoft MVP Senior Web Services Consultant British Telecom Fritz and Keith both established developers and writers in our industry have succeeded again enlightening us on the latest advancements found in ASP NET 2 0 If you re new to ASP NET or a seasoned veteran you ll benefit tremendously from their overview analysis and sample code Joe MSJoe Flanigen This book seeks not only to explain how to effectively build Web sites with ASP NET it also gives the reader an idea of how the process works This insight is essential to creating applications that work with the infrastructure rather than fighting it Justin Burtch Vice President Newbrook

Solutions Essential ASP NET 2 0 is the Microsoft developer s definitive reference for ASP NET 2 0 programming It covers all you need to know to build robust well designed Web applications with ASP NET 2 0 Visual Studio 2005 and NET 2 0 ASP NET MVP Fritz Onion and Developer Security MVP Keith Brown draw on their unparalleled experience working with ASP NET 2 0 and teaching it to professional developers From data binding to security UIs to performance they demystify ASP NET 2 0 s most difficult areas and introduce little known techniques for leveraging it to the fullest The perfect companion to his previous classic Essential ASP NET with Examples in C Essential ASP NET 2 0 offers hundreds of new C examples that illuminate today s best Web development practices Both C and VB 2005 versions of all code examples can be downloaded from the companion Web site Topics explored in depth include Application architecture Code behind Master pages Themes and skins Navigation controls Data binding State management Security Web Parts Diagnostics Performance optimization Asynchronous tasks and pages Simply put if you want to design and build better ASP NET 2 0 Web applications Essential ASP NET 2 0 delivers everything you need insider s knowledge proven best practices and outstanding code samples   Effective REST Services via .NET Kenn Scribner,Scott Seely,2009-04-17 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 Scribner and Scott 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 Communication 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   Concurrent Programming on Windows Joe Duffy,2008-10-28 When you begin using multi threading throughout an application the importance of clean architecture and design is critical This places an emphasis on understanding not only the platform s capabilities but also emerging best practices Joe does a great job interspersing best practices alongside theory

throughout his book From the Foreword by Craig Mundie Chief Research and Strategy Officer Microsoft Corporation Author Joe Duffy has risen to the challenge of explaining how to write software that takes full advantage of concurrency and hardware parallelism In Concurrent Programming on Windows he explains how to design implement and maintain large scale concurrent programs primarily using C and C for Windows Duffy aims to give application system and library developers the tools and techniques needed to write efficient safe code for multicore processors This is important not only for the kinds of problems where concurrency is inherent and easily exploitable such as server applications compute intensive image manipulation financial analysis simulations and AI algorithms but also for problems that can be speeded up using parallelism but require more effort such as math libraries sort routines report generation XML manipulation and stream processing algorithms Concurrent Programming on Windows has four major sections The first introduces concurrency at a high level followed by a section that focuses on the fundamental platform features inner workings and API details Next there is a section that describes common patterns best practices algorithms and data structures that emerge while writing concurrent software The final section covers many of the common system wide architectural and process concerns of concurrent programming This is the only book you ll need in order to learn the best practices and common patterns for programming with concurrency on Windows and NET **Domain-Specific Development with Visual Studio DSL Tools** Steve Cook,Gareth Jones,Stuart Kent,Alan Cameron Wills,2007-05-24 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 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 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 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 the Authors Chapter 1 Domain Specific Development Chapter 2 Creating and Using DSLs Chapter 3 Domain Model Definition Chapter 4 Presentation Chapter 5 Creation Deletion and

Update Behavior Chapter 6 Serialization Chapter 7 Constraints and Validation Chapter 8 Generating Artifacts Chapter 9 Deploying a DSL Chapter 10 Advanced DSL Customization Chapter 11 Designing a DSL Index *Smart Client Deployment with ClickOnce* Brian Noyes,2006-12-27 ClickOnce demos may look simple but those techniques only work for simple applications Brian Noyes gives us the information we need to use ClickOnce in the real world and he does it with a comprehensive and organized presentation If you expect your smart client application to move very far beyond Hello World you ll want this book to help you deploy it Billy Hollis president owner Elysian Consulting Microsoft Regional Director Once again Brian has outdone himself As a writer I tend to be very critical of all technical publications including my own and it is such a pleasure to read anything Brian writes because he studies his topics well resulting in an accurate thorough yet concise piece of work ClickOnce being a new technology that deals with the pains we all have with application deployment versioning and security it is important to have a text that will guide you through the learning process give you sound advice for adopting the technology and explain why you should even care Brian gives his readers all of that Michele Leroux Bustamante chief architect IDesign Microsoft Regional Director ClickOnce is the key to Windows and smart client deployment Brian s book is the key to successfully using ClickOnce This book walks you through using ClickOnce from the basics to advanced scenarios It is an excellent resource Rockford Lhotka principal technology evangelist Magenic Technologies Microsoft Regional Director Brian covers ClickOnce with a view to real world deployment issues which isobviously based on real world experience In and of itself that is enough forme to buy the book However it is an even better investment by virtue of thefact that ClickOnce is a core part of the NET Framework for Windows Forms2 0 now and Windows Presentation Foundation in the future Michael Weinhardt SDK programmer writer Application Model Windows Presentation Foundation Microsoft This book covers the most important ingredient needed for the success of asmart client application deployment The author s unassuming writing style combined with his in depth coverage of the topic makes this book an invaluableresource for all serious smart client developers Vishwas Lele principal architect Applied Information Sciences Microsoft Regional Director Microsoft s new ClickOnce auto updating technology can radically simplify application deployment Using it NET developers and architects can deliver a powerful smart client experience along with the easy maintenance of today s best Web applications Microsoft Regional Director and MVP Brian Noyes has unsurpassed experience previewing and teaching ClickOnce to professional developers In Smart Client Deployment with ClickOnce Noyes demonstrates exactly how to make the most of ClickOnce in your real world enterprise applications Noyes covers ClickOnce design architecture security installation updates and Bootstrapping each with a full case study and detailed sample code This focused concise book explains how to Design client applications for efficient deployment and auto updating Perform application deployments and automatic updates quickly and easily Deliver on demand client application updates Deploy prerequisites with the Visual Studio 2005 Bootstrapper Take full control of ClickOnce s powerful publishing update and

security options Leverage the Visual Studio 2005 and NET 2 0 platform features that make ClickOnce possible Understand how your application will behave in the ClickOnce runtime environment The book s sample code is available for download at www softinsight com clickoncebook   Основы Windows Communication Foundation для .NET Framework 3.5 Стив Резник,Крис Боуэн,Ричард Крейн,2022-01-29 Windows Communication Foundation WCF Microsoft NET 3 5 WCF Visual Studio 2008 WCF NET 3 5 Visual Studio 2008 WCF Microsoft WCF   **Dr. Dobb's Journal** ,2007

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