

Programming Windows Workflow Foundation Practical Wf Techniques And Examples Using Xaml And C Allen K Scott

Information Systems Development: Business Systems and Services: Modeling and Development, is the collected proceedings of the 19th International Conference on Information Systems Development held in Prague, Czech Republic, August 25 - 27, 2010. It follows in the tradition of previous conferences in the series in exploring the connections between industry, research and education. These proceedings represent ongoing reflections within the academic community on established information systems topics and emerging concepts, approaches and ideas. It is hoped that the papers herein contribute towards disseminating research and improving practice.

This book helps you learn .NET Framework 3.5 using Visual Studio 2008. Precision, an easy-to-understand style, real-life examples, and practical approach in presentation are some of the features that makes the book unique. The text book is presented in such a way that it is equally helpful to beginners as well as to professionals.· Introduction to .NET Framework 3.5· Common Language Runtime· .NET Framework Class Libraries· Working with Windows Forms· Working with Web Forms· Programming with Windows Presentation Foundation (WPF)· Working with ADO.NET and Data Binding· Language-Integrated Query· Windows Workflow Foundation· Developing ASP.NET AJAX Applications· Web and WCF Services in ASP.NET 3.5· Working with XML

A guide to architecting, designing, and building distributed applications with Windows Communication Foundation Windows Communication Foundation is the .NET technology that is used to build service-oriented applications, exchange messages in various communication scenarios, and run workflows. This guide enables developers to create state-of-the-art applications using this technology. Written by a team of Microsoft MVPs and WCF experts, this book explains how the pieces of WCF 4.0 build on each other to provide a comprehensive framework to support distributed enterprise applications. Experienced developers will learn both theory and practical application using the familiar Wrox approach. .NET developers will learn to design services, create a hosting environment with Dublin, build cloud-based integrations, and much more. Coverage Includes: Design Principles and Patterns Service Contracts and Data Contracts Bindings Clients Instanting Workflow Services Understanding WCF Security WCF Security in Action Federated Authentication in WCF Windows Azure Platform AppFabric Creating a SOA Case Creating the Communication and Integration Case Creating the Business Process Hosting

Provides an analysis of virtual communities, explaining their lifecycle in terms of maturity-based models and workflows.

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,

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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.

Summary ASP.NET 4.0 in Practice contains over 100 real world techniques distilled from the experience of a team of MVPs. Using a practical problem-solution-discussion format, the book will guide you through the most common scenarios you will face in a typical ASP.NET application, and provide solutions and suggestions to take your applications to another level. About the Technology ASP.NET is an established technology to build web applications using Microsoft products. It drives a number of enterprise-level web sites around the world, but it can be scaled for projects of any size. The new version 4.0 is an evolutionary step: you will find a lot of new features that you will be able to leverage to build better web applications with minimal effort. About the Book ASP.NET is a massive framework that requires a large amount of know-how from developers. Fortunately, this book distills over 100 practical ASP.NET techniques from the experience of a team of MVPs, and puts them right at your fingertips. The techniques are tested and selected for their usefulness, and they are all presented in a simple problem-solution-discussion format. You'll discover methods for key new subjects like data integration with Entity Framework and ASP.NET MVC. Along the way, you'll also find ways to make your applications fast and secure. This book is written for developers familiar with the basics of ASP.NET, looking to become more productive with it. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book. What's Inside The Identity Map pattern in EF 4 Use Master Pages to define a common UI Adaptive Rendering Save user login data securelyand much more

=====Table of Contents PART 1 ASP.NET FUNDAMENTALS Getting acquainted with ASP.NET 4.0 Data access reloaded: Entity Framework Integrating Entity Framework and ASP.NET PART 2 ASP.NET WEB FORMS Building the user interface with ASP.NET Web Forms Data binding in ASP.NET Web Forms Custom controls Taking control of markup PART 3 ASP.NET MVC Introducing ASP.NET MVC Customizing and extending ASP.NET MVC PART 4 SECURITY ASP.NET security ASP.NET authentication and authorization PART 5 ADVANCED TOPICS Ajax and RIAs with ASP.NET 4.0 State Caching in ASP.NET Extreme ASP.NET 4.0 Performance and optimizations

This volume contains the conference proceedings of ISoLA 2008, the Third International Symposium on Leveraging Applications of Formal Methods, Verification and Validation, which was held in Porto Sani (Kassandra, Chalkidiki), Greece during October 13–15, 2008, sponsored by EASST and in cooperation with the IEEE Technical Committee on Complex Systems. Following the tradition of its forerunners in 2004 and 2006 in Cyprus, and the ISoLA Workshops in Greenbelt (USA) in 2005 and in Poitiers (France) in 2007, ISoLA 2008 provided a forum for developers, users, and researchers to discuss issues related to the adoption and use of rigorous tools and methods for the specification, analysis, verification, certification, construction, test, and maintenance

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of systems from the point of view of their different application domains. Thus, the ISoLA series of events serves the purpose of bridging the gap between designers and developers of rigorous tools, and users in engineering and in other disciplines, and to foster and exploit synergetic relationships among scientists, engineers, software developers, decision makers, and other critical thinkers in companies and organizations. In particular, by providing a venue for the discussion of common problems, requirements, algorithms, methodologies, and practices, ISoLA aims at supporting researchers in their quest to improve the utility, reliability, flexibility, and efficiency of tools for building systems, and users in their search for adequate solutions to their problems.

Windows Workflow Foundation is a groundbreaking addition to the core of the .NET Framework that allows you to orchestrate human and system interactions as a series of workflows that can be easily mapped, analyzed, adjusted, and implemented. As business problems become more complex, the need for a workflow-based solution has never been more evident. WF provides a simple and consistent way to model and implement complex solutions. As a developer, you focus on developing the business logic for individual workflow tasks. The runtime handles the execution of those tasks after they have been composed into a workflow.

Pro WF: Windows Workflow in .NET 3.5 provides you with the skills you need to incorporate WF into your applications. This book gets you up to speed with Windows Workflow Foundation quickly and comprehensively. The practical aspects of using WF are covered in a lively tutorial style with each workflow concept illustrated in C#. You'll find detailed coverage of how to customize your workflows and access them in a variety of ways and situations so you can maximize the advantages of this technology. Pro WF: Windows Workflow in .NET 3.5 is written by an experienced Windows and .NET developer. Rather than simply duplicating the available references on the subject, author Bruce Bukovics leads you through a series of practical WF topics that enable you to gain immediate experience and learn how to use the technology as you progress through the book.

Over 70 recipes with hands-on, ready to implement solutions for authoring Microsoft Windows Workflow Foundation 4.0 workflows with this book and eBook.

From conception to birth is traditionally nine months. The first emails regarding the volume you now hold in your hands—or the bits you have downloaded onto your screen—are dated 11 June 2005. From conception to birth has taken over four years. Springer's LNCS Transactions on Pattern Languages of Programming is dedicated, first and foremost, to promoting, promulgating, presenting, describing, critiquing, interrogating, and evaluating all aspects of the use of patterns in programming. In the 15 years or so since Gamma, Helm, Johnson, Vlissides's Design Patterns became widely available, software patterns have become a highly effective means of improving the quality of programming, software engineering, system design, and development. Patterns capture the best practices of software design, making them available to everyone participating in the production of software. A key goal of the Transactions Series is to present material that is validated. Every contributed paper that appears in this volume has been reviewed by both patterns experts and domain experts, by researchers and practitioners. This reviewing process begins long before the paper is even submitted to Transactions. Every paper in the Series is first presented and critiqued at one of the Pattern Languages of Programming (PLoP) conferences held annually around the world. Prior to the conference, each submitted paper is

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assigned a shepherd who works with the authors to improve the paper. Based on several rounds of feedback, a paper may proceed to a writers' workshop at the conference itself.

Design and develop great solutions using SharePoint 2013 Develop your business collaboration solutions quickly and effectively with the rich set of tools, classes, libraries, and controls available in Microsoft SharePoint 2013. With this practical reference, enterprise-development expert Paolo Pialorsi shows you how to extend and customize the SharePoint environment—and helps you sharpen your development skills. Ideal for ASP.NET developers with Microsoft .NET and C# knowledge. Discover how to: Create custom SharePoint apps and publish them in the Office Store Orchestrate your workflows with the new Workflow Manager 1.0 Access and manage your SharePoint data with the REST APIs Federate SharePoint with Windows Azure Access Control Services Customize your SharePoint 2013 UI for a better user experience Gain a thorough understanding of authentication and authorization

This volume presents work from the IFIP TC 8 WG 8.9 International Conference on the Research and Practical Issues of Enterprise Information Systems (CONFENIS 2007). Enterprise information systems (EIS) have become increasingly popular. EIS integrate and support business processes across functional boundaries in a supply chain environment. In recent years, more and more enterprises world-wide have adopted EIS such as Enterprise Resource Planning (ERP) for running their businesses. The smart way to build applications with Microsoft SharePoint Designer 2010 -- one step at a time! Experience learning made easy -- and quickly teach yourself how to create SharePoint 2010 applications and workflows with Microsoft SharePoint Designer 2010. With Step by Step, you set the pace -- building and practicing the skills you need, just when you need them! Design solutions to meet your business scenario -- without code Customize lists, libraries, and SharePoint site pages Use Web Parts to display, edit, and modify list item data Access data from a variety of external sources Create workflows to automate business processes Use master pages and CSS to control how sites work Your Step by Step digital content includes: All the books practice files -- ready to download and put to work. Fully searchable online edition of this book -- with unlimited access on the Web.

Windows SharePoint Services 3.0 (WSS) is a built-in feature of Windows Server that allows for the development of collaborative business applications. Microsoft Office SharePoint Server 2007 (MOSS) is an integrated server offering that leverages the WSS 3.0 features of Windows Server and adds an additional 100+ collaborative features. With WSS 3.0 and MOSS 2007 combined, you can create a variety of highly collaborative business applications. Using numerous practical, real-world examples, this book discusses implementing custom master pages, programming against site pages, implementing custom application pages, developing custom server controls, and extending existing controls.

Programming Windows Workflow Foundation: Practical WF Techniques and Examples using XAML and C#Packt Publishing Ltd A true professional's guide to C# 6 Professional C# 6 and .NET Core 1.0 provides complete coverage of the latest updates, features, and capabilities, giving you everything you need for C#. Get expert instruction on the latest changes to Visual Studio 2015, Windows Runtime, ADO.NET, ASP.NET, Windows Store Apps, Windows Workflow Foundation, and more, with clear

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explanations, no-nonsense pacing, and valuable expert insight. This incredibly useful guide serves as both tutorial and desk reference, providing a professional-level review of C# architecture and its application in a number of areas. You'll gain a solid background in managed code and .NET constructs within the context of the 2015 release, so you can get acclimated quickly and get back to work. The new updates can actively streamline your workflow, with major changes including reimagined C# refactoring support, a new .NET Web app stack, and the .NET compiler platform that makes C# and Visual Basic compilers available as APIs. This book walks you through the changes with a comprehensive C# review. Explore the new Visual Studio templates for ASP.NET Core 1.0, Web Forms, and MVC Learn about the networking switch to HttpClient and ASP.NET Web API's replacement of WCF Data Services Work with the latest updates to the event log, Windows Runtime 2.0, and Windows 8.1 deployment and localization Dig deep into the new .NET 5.0 GC behaviors and the Migrations addition to ADO.NET Microsoft has stepped up both the cadence and magnitude of their software releases. Professional C# 6 and .NET Core 1.0 shows you everything you need to know about working with C# in a real-world context.

Enlist Visual Studio's Built-in Code Generation Tools to Write Better Software Faster Automatic code generation can dramatically increase your productivity, improve code quality and maintainability, promote reuse, and help you extend best practices throughout your development organization. .NET and Visual Studio contain many powerful, code-generation tools—and this book shows you how to succeed with all of them. With Practical Code Generation in .NET , spend less time writing monotonous, repetitive code—leaving more time to address troublesome areas! Microsoft MVP Peter Vogel covers code generation with Visual Studio 2010, 2008, and 2005, as well as all recent versions of .NET, including .NET 4.0. You'll learn when enlisting code generation makes sense and how to design solutions that build on the skills and resources you already have. Writing for experienced programmers, Vogel shows how to generate reliable code using procedural code, Visual Studio add-ins, XML, configuration files, and more—including Microsoft's innovative CodeDOM technology for generating code in multiple languages. He brings everything together in three complete, chapter-length case studies. Coverage includes Understanding the structure of .NET code-generation solutions and best practices for architecting them Creating Visual Studio add-ins that quickly integrate code generation into day-to-day activities Using objects and methods to add or remove project components Using text insertion to generate code using any tool—even standard string handling functions Working with the specific features of C#, Visual Basic .NET, and ASP.NET Generating more concise code with .NET's new Text Template Transformation Toolkit (T4) Building code-generation solutions with Visual Studio templates, attributes, and custom tools Distributing code-generation solutions Comprehensive, advanced coverage of C# 5.0 and .NET 4.5.1 Whether you're a C# guru or transitioning from C/C++, staying up to date is critical to your success. Professional C# 5.0 and .NET 4.5.1 is your go-to guide for navigating the programming environment for the Windows platform. After a quick refresher of the C# basics, the team of expert authors dives in to C# 5.0 and updates for NET 4.5.1. Includes: Different behaviors for .NET 4.5.1 and the changes to Visual Studio 2013 Changes to ASP.NET Core, Web Forms, MVC, and Web API Updated Windows 8 deployments and localization, event logs, and data flow Shuffling of

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ADO.NET Entity Framework Additions to Windows Workflow Foundation New Windows Runtime 2.0 updates

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.

A C# developer's book and eBook guide to the features and programming interfaces of Windows Workflow Foundation.

Windows Workflow Foundation is part of a bundle of new products that update .NET 2.0 into .NET 3.0. This book is one of the first to cover this important addition to .NET, and aims to provide the reader with a solid grounding in how workflows are implemented, executed, maintained and customized. By comprehensively covering WF from setup through implementation to customization readers are given a 'one stop' grounding in the subject. Given the importance of this technology release, the fact that WF is a free add-on, and the book's broad appeal, it will be useful to almost all existing or migrating .NET 2.0 developers.

This end-to-end deep dive into Microsoft Visual Studio 2010 Professional will help working developers squeeze maximum productivity out of Visual Studio 2010's extraordinarily rich toolbox, whether they are writing code for the Web, Windows, Silverlight, or Microsoft's Azure cloud computing environment. The authors combine authoritative and detailed information about Microsoft's latest IDE, with extensive insights and best practices drawn from decades of development experience. Developers will learn how to use Visual Studio 2010 Professional to take full advantage of the entire .NET platform, including Windows Presentation Foundation (WPF) for rich client development, Windows Communication Foundation (WCF) for building dynamic service-oriented solutions, and Windows Workflow Foundation (WF) for structured programming around business processes. The authors also present extensive new coverage of Microsoft's powerful new tools for unit testing, application instrumentation, and code analysis. By focusing entirely on Visual Studio 2010 Professional, the authors have gone deeper into Microsoft's core product than ever before. Throughout, their focus is relentlessly practical: how to apply Microsoft's tools to build better software,

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faster. Detailed information on how to... Work with solutions, projects, browsers, explorers, editors, and designers Write better macros, add-ins, and wizards Save more time with Visual Studio 2010's updated productivity tools Instrument, analyze, and test your software Refactor code for greater robustness, maintainability, and performance Share code with team members and the larger community Write powerful ASP.NET, ASP.NET MVC, and Silverlight web applications Implement robust service oriented architecture (SOA)-based applications Efficiently consume services with WCF Write advanced Windows applications with Windows Forms and WPF Construct data-centric applications with LINQ and Entity Framework Create and host workflow-based applications with WF Write applications for the Azure cloud Extend Visual Studio with the new Managed Extensibility Framework (MEF) and the Automation Object Model Build better object-oriented VB or C# software, and use new dynamic language features "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

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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

This is the eBook version of the printed book. Windows Workflow Foundation (WF) is Microsoft's programming model for building workflow-enabled applications in the Windows operating system. It includes a namespace, a workflow engine, and design tools that can be used with Visual Studio .NET. Workflow is an extremely important type of application that has been difficult to build on the Microsoft platform. Workflow Foundation is a major element of the .NET Framework 3.0 platform that enables application developers to build these types of applications. In *Building Applications with Windows Workflow Foundation; Part I: Basics of Windows Workflow Foundation*, author, MVP, speaker, and leading consultant Michael Stiefel introduces readers to the basics of Windows Workflow foundation. The other parts of this series include *State Machine and Rules-Driven Workflows* *Advanced Workflow Features* *Extended Workflow Example* All of the "Building Applications with Windows Workflow Foundation" Short Cuts were created with the professional developer in mind. The author's unique approach is a combination of practical application with just enough understanding of the underpinnings for developers. It is not a book on "workflow plumbing" but a successful approach he has used for many years in consulting and training. Features of this Short Cut series include Demonstrations on how to build practical workflow applications by solving problems that workflow developers will have to solve. Plenty of code that helps demonstrate how to solve the practical problems of building an application. The first three Short Cuts emphasize and illustrate how to build the elements of an application. The fourth Short Cut will pick a different application and illustrate how to build a workflow application with more emphasis on the design strategy and tactics using the problem solutions developed in the first three articles. Providing this information as a Short Cut will enable information to be delivered to developers quickly, more efficiently, and cheaply than could be done in a book, but with the quality of a book rather than the superficial level of most current articles. Table of Contents Why Did Microsoft Create Workflow Foundation? Requirements for Workflow Infrastructure Windows Workflow Foundation Developing Simple Workflows with Visual Studio.NET

This resource helps technical support, escalation engineers, and Windows software testers master necessary prerequisites to understand and start debugging and crash dump analysis on Windows platforms.

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)

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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 This is a book that helps you to learn Visual Basic using Visual Studio 2008. Precision, an easy-to-understanding style, real life examples in support of the concepts, and practical approach in presentation are some of the features that make the book unique in itself. The text in the book is presented in such a way that is equally helpful to beginners as well as professionals. The book covers:· Introduction to .NET Framework and Visual Studio 2008· Fundamentals of Visual Basic 2008 programming language· Working with Windows Forms and common windows controls· Windows Workflow foundation (WF)· Working with database in Visual Basic 2008· Language Integrated Query (LINQ)· Deployment of applications in Visual Basic 2008· Windows Communication Foundation (WCF)

If you want to gain the skills to build Windows Workflow Foundation solutions, then this is the book for you. It provides you with a clear, practical guide on how to develop workflow-based software and integrate it into existing technology landscapes. Throughout the pages, you'll also find numerous real-world examples and sample code that will help you to

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get started quickly. Each major area of Windows Workflow Foundation is explored in depth along with some of the fundamentals operations related to generic workflow applications. You'll also find detailed coverage on how to develop workflow in Visual Studio(r), extend the framework with custom code, and utilize the framework with Microsoft(r) technologies such as SharePoint(r) 2007 and Windows Communication Foundation (WCF). You'll then be able to use Windows Workflow Foundation to create innovative business solutions that provide value to organizations. What you will learn from this book ? The different areas of the Windows Workflow Foundation architecture ? Details about workflow hosting, execution, and communication ? How to build workflow-based solutions without constructing the underlying workflow logic ? Tips for developing solutions using the out-of-the-box functionality ? Techniques for extending the base APIs ? How to apply each piece of the Windows Workflow Foundation platform to real-world scenarios ? Best practices for debugging workflows Who this book is for This book is for developers and architects interested in learning more about Windows Workflow Foundation. You should have some familiarity with the .NET Framework.

Describes the concepts and architecture of Windows Workflow Foundation, covering such topics as workflow tracking, activity operations, logic flow activities, state-based workflows, and correlation and local host communication.

A comprehensive guide to understanding, implementing, and extending the powerful and freely available application from Microsoft.

Windows Workflow Foundation is a ground-breaking addition to the core of the .NET Framework that allows you to orchestrate human and system interactions as a series of workflows that can be easily mapped, analyzed, adjusted, and implemented. As business problems become more complex, the need for a workflow-based solution has never been more evident. WF provides a simple and consistent way to model and implement complex problems. As a developer, you focus on developing the business logic for individual workflow tasks. The runtime handles the execution of those tasks after they have been composed into a workflow. Beginning WF demonstrates, in an eminently readable and accessible style, how Microsoft's Workflow Foundation (WF) technology can be used in a wide variety of applications. Loaded with lots of simple yet demonstrative sample projects Very hands-on with practical "how-to" information Indexed by feature so specific questions are easily answered

The deep integration of IIS7 and ASP.NET provides both IIS7 administrators and ASP.NET developers with new and exciting programming tools, techniques, and approaches that were not possible with earlier versions of IIS. With this book, Dr. Shahram Khosravi presents you with the only resource to focus exclusively on the key features of this exciting integration. You'll get in-depth coverage of all the major systems that make up the IIS7 and ASP.NET integrated infrastructure, detailed explanations on how they work, guidance on how to use them in your own applications, and

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techniques for extending them to meet your application requirements. Packed with detailed code walkthroughs and in-depth analyses of numerous real-world examples - all written and tested with Windows Vista, Windows Server 2008, ASP.NET 2.0, and ASP.NET 3.5 (Visual Studio 2008), this book helps you gain the skills, knowledge, and experience you need to use and to extend the major systems that make up the IIS7 and ASP.NET integrated infrastructure. Some of the key topics covered include: How to write integrated IIS7 and ASP.NET code that works with Windows Vista, Windows Server 2008, ASP.NET 2.0, and ASP.NET 3.5 (Visual Studio 2008) Techniques for implementing and plugging custom HTTP modules, handlers, and handler factories into the IIS7 and ASP.NET integrated request processing pipeline How to manage the IIS7 and ASP.NET integrated configuration system from IIS7 Manager, appcmd.exe, and managed code Tips for using the IIS7 and ASP.NET integrated declarative schema extension markup language (sectionSchema, attribute, element, collection, and so on) to implement custom configuration sections Techniques for using and extending the IIS7 and ASP.NET integrated managed code system (ConfigurationElement, ConfigurationElementCollectionBaseT, ConfigurationSection, ApplicationPool, Site, Application, ServerManager and so on) to add support for custom managed classes Tips for extending the IIS7 and ASP.NET integrated graphical management system (ModuleServiceProxy, ModuleDialogPage, ModuleListPage, TaskForm, Module, ModuleService, ModuleProvider, TextTaskItem, MethodTaskItem, and so on) to add new graphical components to IIS7 Manager Techniques for using and extending the IIS7 and ASP.NET integrated providers system (ProviderConfigurationFeature, ProviderConfigurationSettings, IProviderConfigurationService, ConfigurationModuleProvider, and so on) and ways to implement and to plug custom provider-based services into this system and IIS7 Manager Ways to use the IIS7 and ASP.NET integrated tracing and diagnostics - TraceSource, SourceSwitch, IisTraceListener, EventTypeFilter, RSCA, Request, WorkerProcess, Failed Request Tracing, and so on ASP.NET and Windows Communication Foundation integration in IIS7

Provides information and examples on using Windows Communication Foundation to build service-oriented applications.

Preparing readers to program in C#, this authoritative guide provides the necessary background information on how the .NET architecture works Begins with a tutorial on C# 2005 and the .NET 3.0 Framework, then moves through the vast .NET class library, showing how C# can be used to solve various tasks Includes coverage of the new .NET 3.0 Framework, Generics, ObjectSpaces, .NET 3.0 in SQL Server, ASP.NET 3.0, Windows Communication Foundation, Windows Workflow Foundation, Windows Presentation Foundation, arrays, system transactions, tracing, and event logging Additional coverage includes such topics as writing Windows applications and Windows services, writing Web pages and Web services with ASP.NET 3.0, manipulating XML using C# 2005, and generating graphics using C# 2005

Your hands-on, step-by-step guide to building connected, service-oriented applications. Teach yourself the essentials of Windows

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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 Provides information on using Indigo, a new technology that allows software to communicate.

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