



# Professional **InfoPath™ 2003**

Ian Williams, Pierre Greborio



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# Professional Infopath 2003 Wrox Professional Guides

**Roger Jennings**



## **Professional Infopath 2003 Wrox Professional Guides:**

*Professional InfoPath 2003* Ian Williams, Pierre Greborio, 2004 This text shows developers how to solve form design and implementation problems using InfoPath 2003 an important new Microsoft Office application tool for programmers working with XML

**Professional InfoPath 2003** Ian Williams, Pierre Greborio, 2004-04-28 What is this book about Microsoft InfoPath 2003 helps developers tackle forms based information gathering with the full range of XML technologies This book quickly guides experienced Office and XML developers through InfoPath fundamentals including XML form templates architecture form definition file structure available external data sources and backend services From there you delve into validation and updating forms both during development and as business needs change Finally you examine the InfoPath security model learning to implement and deploy trusted forms The second part of this book is an intensive case study covering metadata processing exporting XML data to Excel for analysis and much more What does this book cover Here are just a few of the things you ll learn in this book The development options InfoPath makes available through XML technology How to combine various form files into a customized template The architecture of an InfoPath form template and the file types you can use in various applications Ways to build a form interface using menus or objects on the task pane Methods to support users at various levels of experience Different means of validating forms and reporting errors How to implement digital signatures and other form security measures with InfoPath Who is this book for This book is for experienced corporate developers who have a strong knowledge of XML and related technologies as well as solid experience with Microsoft Office and related applications

**Professional ADO.NET 3.5 with LINQ and the Entity Framework** Roger Jennings, 2009-02-23 Language Integrated Query LINQ as well as the C 3 0 and VB 9 0 language extensions to support it is the most import single new feature of Visual Studio 2008 and the NET Framework 3 x LINQ is Microsoft s first attempt to define a universal query language for a diverse set of in memory collections of generic objects entities persisted in relational database tables and element and attributes of XML documents or fragments as well as a wide variety of other data types such as RSS and Atom syndication feeds Microsoft invested millions of dollars in Anders Hejlsberg and his C design and development groups to add new features to C 3 0 such as lambda expressions anonymous types and extension methods specifically to support LINQ Standard Query Operators SQOs and query expressions as a part of the language itself Corresponding additions to VB 9 0 followed the C team s lead but VB s implementation of LINQ to XML offers a remarkable new addition to the language XML literals VB s LINQ to XML implementation includes XML literals which treat well formed XML documents or fragments as part of the VB language rather than requiring translation of element and attribute names and values from strings to XML DOM nodes and values This book concentrates on hands on development of practical Windows and Web applications that demonstrate C and VB programming techniques to bring you up to speed on LINQ technologies The first half of the book covers LINQ Standard Query Operators SQOs and the concrete implementations of

LINQ for querying collections that implement generic IEnumerable IQueryable or both interfaces The second half is devoted to the ADO NET Entity Framework Entity Data Model Entity SQL eSQL and LINQ to Entities Most code examples emulate real world data sources such as the Northwind sample database running on SQL Server 2005 or 2008 Express Edition and collections derived from its tables Code examples are C and VB Windows form or Web site application projects not except in the first chapter simple command line projects You can t gain a feel for the behavior or performance of LINQ queries with Hello World projects that process arrays of a few integers or a few first and last names This book is intended for experienced NET developers using C or VB who want to gain the maximum advantage from the query processing capabilities of LINQ implementations in Visual Studio 2008 LINQ to Objects LINQ to SQL LINQ to DataSets and LINQ to XML as well as the object relational mapping O RM features of VS 2008 SP1 s Entity Framework Entity Data Model and LINQ to Entities and the increasing number of open source LINQ implementations by third party developers Basic familiarity with generics and other language features introduced by NET 2 0 the Visual Studio integrated development environment IDE and relational database management systems RDBMSs especially Microsoft SQL Server 200x is assumed Experience with SQL Server s Transact SQL T SQL query language and stored procedures will be helpful but is not required Proficiency with VS 2005 NET 2 0 C 2 0 or VB 8 0 will aid your initial understanding of the book s C 3 0 or VB 9 0 code samples but isn t a prerequisite Microsoft s NET code samples are primarily written in C All code samples in this book s chapters and sample projects have C and VB versions unless they re written in T SQL or JavaScript Professional ADO NET 3 5 LINQ and the Entity Framework concentrates on programming the System Linq and System Linq Expressions namespaces for LINQ to Objects System Data Linq for LINQ to SQL System Data Linq for LINQ to DataSet System Xml Linq for LINQ to XML and System Data Entity and System Web Entity for EF s Entity SQL Taking a New Approach to Data Access in ADO NET 3 5 uses simple C and VB code examples to demonstrate LINQ to Objects queries against in memory objects and databinding with LINQ populated generic List collections object relational mapping O RM with LINQ to SQL joining DataTables with LINQ to DataSets creating EntitySets with LINQ to Entities querying and manipulating XML InfoSets with LINQ to XML and performing queries against strongly typed XML documents with LINQ to XSD Understanding LINQ Architecture and Implementation begins with the namespaces and C and VB language extensions to support LINQ LINQ Standard Query Operators SQOs expression trees and compiled queries and a preview of domain specific implementations C and VB sample projects demonstrate object array and collection initializers extension methods anonymous types predicates lambda expressions and simple query expressions Executing LINQ Query Expressions with LINQ to Objects classifies the 50 SQOs into operator groups Restriction Projection Partitioning Join Concatenation Ordering Grouping Set Conversion and Equality and then lists their keywords in C and VB VS 2008 SP1 includes C and VB versions of the LINQ Project Sample Query Explorer but the two Explorers don t use real world collections as data sources This describes a LINQ in memory object generator LIMOG utility program that writes C 3 0 or VB 9 0 class

declarations for representative business objects that are more complex than those used by the LINQ Project Sample Query Explorers Sample C and VB queries with these business objects as data sources are more expressive than those using arrays of a few integers or last names Working with Advanced Query Operators and Expressions introduces LINQ queries against object graphs with entities that have related associated entities This begins with examples of aggregate operators explains use of the Let temporary local variable operator shows you how to use Group By with aggregate queries conduct the equivalent of left outer joins and take advantage of the Contains SGO to emulate SQL s IN function You learn how to compile queries for improved performance and create mock object classes for testing without the overhead of queries against relational persistence stores Using LINQ to SQL and the LinqDataSource introduces LINQ to SQL as Microsoft s first O RM tool to reach released products status and shows you how to autogenerate class files for entity types with the graphical O R Designer or command line SqlMetal exe This also explains how to edit dbml mapping files in the Designer or XML Editor instantiate DataContext objects and use LINQ to SQL as a Data Access Layer DAL with T SQL queries or stored procedures Closes with a tutorial for using the ASP NET LinqDataSource control with Web sites or applications Querying DataTables with LINQ to DataSets begins with a comparison of DataSet and DataContext objects and features followed by a description of the DataSetExtensions Next comes querying untyped and typed DataSets creating lookup lists and generating LinqDataViews for databinding with the AsDataView method This ends with a tutorial that shows you how to copy LINQ query results to DataTables Manipulating Documents with LINQ to XML describes one of LINQ most powerful capabilities managing XML Infosets This demonstrates that LINQ to XML has query and navigation capabilities that equal or surpasses XQuery 1 0 and XPath 2 0 It also shows LINQ to XML document transformation can replace XQuery and XSLT 1 0 in the majority of common use cases You learn how to use VB 9 0 s XML literals to constructs XML documents use GroupJoin to produce hierarchical documents and work with XML namespaces in C and VB Exploring Third Party and Emerging LINQ Implementations describes Microsoft s Parallel LINQ also called PLINQ for taking advantage of multiple CPU cores in LINQ to Objects queries LINQ to REST for translating LINQ queries into Representational State Transfer URLs that define requests to a Web service with the HTML GET POST PUT and DELETE methods and Bart De Smet s LINQ to Active Directory and LINQ to SharePoint third party implementations Raising the Level of Data Abstraction with the Entity Data Model starts with a guided tour of the development of EDM and EF as an O RM tool and heir apparent to ADO NET DataSets provides a brief description of the entity relationship E R data model and diagrams and then delivers a detailed analysis of EF architecture Next comes an introduction to the Entity SQL eSQL language eSQL queries client views and Object Services including theObjectContext MetadataWorkspace and ObjectStateManager Later chapters describe eSQL and these objects in greater detail Two C and VB sample projects expand on the eSQL query and Object Services sample code Defining Conceptual Mapping and Storage Schema Layers provides detailed insight into the structure of the edmx file that generates the ssdl

storage schema data language msl mapping schema language and csdl files at runtime You learn how to edit the edmx file manually to accommodate modifications that the graphic EDM Designer can't handle You learn how to implement the Table per Hierarchy TPH inheritance model and traverse the MetadataWorkspace to obtain property values Four C and VB sample projects demonstrate mapping substituting stored procedures for queries and TPH inheritance Introducing Entity SQL examines EF's new eSQL dialect that adds keywords to address the differences between querying entities and relational tables You learn to use Zlatko Michaelov's eBlast utility to write and analyze eSQL queries then dig into differences between eSQL and T-SQL SELECT queries eSQL v1 doesn't support INSERT UPDATE DELETE and other SQL Data Manipulation Language constructs You execute eSQL queries against the EntityClient measure the performance hit of eSQL compared to T-SQL execute parameterize eSQL queries and use SQL Server Compact 3.5 as a data store C and VB Sample projects demonstrate the programming techniques Taking Advantage of Object Services and LINQ to Entities concentrates manipulating the Object Services API'sObjectContext It continues with demonstrating use of partial classes for the ModelNameEntities and EntityName objects executing eSQL ObjectQuery's and deferred or eager loading of associated entities including ordering and filtering the associated entities Also covers instructions for composing QueryBuilder methods for ObjectQuery's LINQ to Entities queries and parameterizing ObjectQuery's Updating Entities and Complex Types shows you how to perform create update and delete CUD operations on EntitySets and manage optimistic concurrency conflicts It starts with a detailed description of the ObjectContext ObjectStateManager and its child objects which perform object identification and change tracking operations with EntityKeys This also covers validation of create and update operations optimizing the DataContext lifetime performing updates with stored procedures and working with complex types Binding Data Controls to the ObjectContext describes creating design time data sources from ObjectContext EntitySet instances drag and drop addition of BindingNavigator BindingSource bound TextBox and DataGridView controls to Windows forms You also learn how to update EntityReference and EntitySet values with ComboBox columns in DataGridView controls You can't update EntitySet values directly you must delete and add a new member having the required value This concludes with a demonstration of the use of the ASP.NET EntityDataSource control bound to GridView and DropDownList controls Using the Entity Framework As a Data Source concentrates on using EF as a data source for the ADO.NET Data Services Framework the former codename Project Astoria remains in common use which is the preferred method for deploying EF v1 as a Web service provider EF v2 is expected to be able to support n-tier data access with Windows Communication Foundation WCF directly A Windows form example uses Astoria's .NET 3.5 Client Library to display and update entity instances with the Atom Publication AtomPub or APP wire format The Web form project uses the AJAX Client Library and JavaScript Object Notation JSON as the wire format

*Beginning XML* David Hunter, 2004-09-24 Chapters written by professional programmers discuss XML specification and navigation linking XSLT presentation technologies databases messaging and B2B applications

**American Book Publishing Record ,2004      Cloud Computing with the Windows Azure Platform Roger**

Jennings,2010-12-29 Leverage the power of the Azure Services Platform for cloud computing With the Azure Services Platform processing and storing data moves from individual corporate servers and Web sites to larger more reliable and more secure data centers Roger Jennings author of more than 30 books on Microsoft technologies shows you how to leverage the power of Azure and its related services for cloud computing The book begins with a look at the differences between cloud computing and application hosting and examines the various issues that NET developers and IT managers face in moving from on premise to cloud based applications including security privacy regulatory compliance backup and recovery asset cataloging and other common technical issues The author then drills down showing basic programming for individual Azure components including storage SQL Data Services and NET Services He then moves on to cover more advanced programming challenges Explains the benefits of using the Azure Services Platform for cloud computing Shows how to program with Windows Azure components including Azure Table and Blob storage NET Services and SQL Azure Addresses advanced programming challenges of creating useful projects that combine cloud storage with Web applications or services Companion Web site features complete finished applications that can be uploaded to jump start a Windows Azure project Roger Jennings clears away the clouds and gets you started using the Azure Services Platform

**Real World SharePoint 2007 Robert**  
Bogue,Adam Buenz,Andrew Connell,Stacy Draper,Luis Du Solier Grinda,Todd Klindt,Jason Medero,Dustin Miller,Shane Perran,Joris Poelmans,Heather Solomon,Nick Swan,Jan Tielens,Mike Walsh,Shane Young,2007-08-20 Microsoft recognizes key individuals who contribute significantly to the community of technologists through the Microsoft Most Valuable Professional MVP award These individuals are active authors speakers bloggers and innovators They are also skilled network engineers developers trainers designers and architects In the SharePoint community these MVPs are recognized for their expertise in either Windows SharePoint Services WSS or Microsoft Office SharePoint Server MOSS This book represents the efforts of 16 MVPs in the SharePoint community to present core areas of SharePoint 2007 products and technologies seasoned with significant field experience The idea behind the book is to lower the learning curve for the reader while providing the insight necessary to avoid common missteps This book is an extension of the work the authors have done in their own blogs books and presentations This book is for the community of SharePoint professionals That means that architects designers developers administrators and engineers all will find something useful in its pages As a reader you will want to focus on chapters that appeal to your areas of expertise directly Some of the chapters for example assume a strong programming background whereas others are centered on administration or maintenance All readers should have some prior experience with SharePoint 2007 products and technologies to get the most out of this book although the book does include an introductory chapter for those who are just getting started The authors generally assume a working knowledge of SharePoint in an effort to focus the discussion on implementation and best practices This book covers SharePoint 2007

products and technologies Specifically you will find topics relating to both WSS and MOSS The topics were selected by SharePoint MVP and Editor Scot Hiller based on the authors capabilities to represent a cross section of the most important areas within SharePoint Although the chapters have been arranged in a logical order they are intended to stand alone as independent articles Specifically here s what the book covers Introduction to SharePoint by Mike Walsh an overview of SharePoint Configuring Forms Based Authentication by Stacy Draper different approaches to FBA along with their strengths and weaknesses including some custom solutions to problems such as user and role management Understanding SharePoint Administration by Todd Klindt the basics such as backup and recovery more advanced topics such as command line utilities and tips and techniques for managing site templates Developing Publishing Sites the Smart and Structured Way by Andrew Connell an alternative technique for developing Publishing sites within MOSS discusses development with the SharePoint Designer SPD but then challenges the conventional thinking with a new structured approach Readers will learn new ways to ease the management and maintenance of Publishing sites Using SharePoint Designer 2007 by Dustin Miller This often maligned tool can be a powerful part of your SharePoint toolkit Customizing and Branding the SharePoint 2007 Interface by Shane Perran and Heather Solomon One of the first tasks in any SharePoint project is branding the use interface The reader will learn all of the different ways to customize the look and feel of SharePoint using master pages style sheets and graphics Understanding Web Parts by Jan Tielens walks the reader through the creation and deployment of Web Parts Readers should have a strong C programming background Creating Workflows in WSS by Robert Bogue Readers will learn how to create custom workflows and forms for deployment in WSS including many tips and tricks from actual field experience Readers should have a strong C programming background Creating Workflow in SharePoint Server 2007 by Joris Poelmans The big difference between WSS and MOSS workflows is the ability to use InfoPath forms This has extensive coverage of InfoPath forms and how to use them with MOSS workflows Using the Business Data Catalog by Nick Swan The Business Data Catalog BDC is used to allow MOSS to access line of business databases Includes tips to make the development process easier Readers should be familiar with XML Using Excel Services by Luis Du Solier Grinda Excel Services is used to allow MOSS to present spreadsheet data to end users through a browser This technology is a foundational element in the development of dashboards in the SharePoint Report Center Securing SharePoint Communication by Adam Buenz Readers will learn to implement Secure Sockets Layer SSL Kerberos security and how to use the Microsoft Internet Security and Acceleration ISA Server Using Information Rights Management by Jason Medero setting up IRM and using it with SharePoint libraries to restrict document functionality such as printing and attaching so sensitive information does not leave an organization Upgrading from SPS 2003 to MOSS 2007 Using the Gradual Method by Shane Young One of the biggest trends in the SharePoint community is upgrading from SharePoint Portal Server 2003 SPS 2003 to MOSS This examines all of the different upgrade approaches and then walks the reader through the gradual method for upgrading Contains a wealth of field

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[Beginning XSLT and XPath](#) Ian Williams,2009-09-08 Provides the basic education in the XSLT processing model that developers have requested The growth of XML content management applications is boosting the demand for XSLT and XPath skills This beginning Wrox book provides a firm foundation in the XSLT processing model giving developers an important skillset If like many developers you ve had trouble grasping the XSLT processing model you ll appreciate how this book focuses specifically on what you need to know XSLT examples address the often requested processing steps for typical XML document and data vocabularies You will see exactly how XSLT relies on XPath and how the processing model differs from most programming languages A case study demonstrates how to build a static Web site using XSLT 2 0 elements and XPath 2 0 functions Explains XSLT and XPath covering both version 1 0 and 2 0 Covers using templates control and branching variable and parameters sorting and grouping and using modular stylesheets Also examines strings dates and numbers working with multiple documents and text generating identifiers and testing and documentation All topics contain incremental code examples Addresses the much requested processing steps for typical XML document and data vocabularies including how the processing model differs from most programming languages Beginning XSLT and XPath Transforming XML Documents and Data is the essential guide you need to thoroughly understand the important XSLT processing model Note CD ROM DVD and other supplementary materials are not included as part of eBook file [Microsoft InfoPath A Complete Guide](#) Gerardus Blokdyk,

This book delves into Professional Infopath 2003 Wrox Professional Guides. Professional Infopath 2003 Wrox Professional Guides is a crucial topic that needs to be grasped by everyone, from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Professional Infopath 2003 Wrox Professional Guides, encompassing both the fundamentals and more intricate discussions.

1. The book is structured into several chapters, namely:
    - Chapter 1: Introduction to Professional Infopath 2003 Wrox Professional Guides
    - Chapter 2: Essential Elements of Professional Infopath 2003 Wrox Professional Guides
    - Chapter 3: Professional Infopath 2003 Wrox Professional Guides in Everyday Life
    - Chapter 4: Professional Infopath 2003 Wrox Professional Guides in Specific Contexts
    - Chapter 5: Conclusion
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  3. In chapter 2, the author will delve into the foundational concepts of Professional Infopath 2003 Wrox Professional Guides. This chapter will elucidate the essential principles that need to be understood to grasp Professional Infopath 2003 Wrox Professional Guides in its entirety.
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  6. In chapter 5, the author will draw a conclusion about Professional Infopath 2003 Wrox Professional Guides. This chapter will summarize the key points that have been discussed throughout the book.
- This book is crafted in an easy-to-understand language and is complemented by engaging illustrations. It is highly recommended for anyone seeking to gain a comprehensive understanding of Professional Infopath 2003 Wrox Professional Guides.

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