

# ADO and ADO.NET Programming

Mike Gunderloy

## Chapter 6: Using Records and Streams

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ISBN: 0-7821-2994-3

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# Ado Net Programming

**Tim Patrick**



## **Ado Net Programming:**

**Ado.NET Programming in Visual Basic .NET** Steven Holzner, Bob Howell, 2003 Written for developers who need to get up to speed on ADO NET this book covers the ADO NET object model from start to finish from database tools to creating data objects from creating Web Services to developing multi tier database applications It also covers everything from Windows Forms classes and data binding to creating ASP NET Web applications Programming ADO.NET Richard Hundhausen, Steven Borg, 2002-05-01 A powerful tool for delivering data driven content across the Web ADO NET is the new set of data access services for Microsoft s NET Framework Because of its many new features experienced and new programmers alike need to learn ADO NET from the ground up Provides detailed coverage of the objects that form the ADO NET infrastructure Explores the relationship between ADO NET ASP NET XML and server side tools such as SQL Server 2000 and BizTalk Server Features Best Practices sections that cover how to retrieve manipulate and update data with ADO NET Companion Web site contains code examples in VB NET and C **A Programmer's Guide to ADO.NET in C#** Mahesh Chand, 2002-04-25 A Programmer s Guide to ADO NET in C begins by taking readers through an overview of C and then delves into ADO NET Authors Chand and Gold provide details on each of the major data providers of the NET platform such as OLE DB SQL Server and ODBC that enable developers to read and write data to the targeted database These chapters also serve as a good reference for finding detailed methods and properties for these data provider classes

**ADO.NET in a Nutshell** Bill Hamilton, Matthew MacDonald, 2003-04-25 Written by experts on the Microsoft NET programming platform ADO NET in a Nutshell delivers everything NET programmers will need to get a jump start on ADO NET technology or to sharpen their skills even further In the tradition of O Reilly s In a Nutshell Series ADO NET in a Nutshell is the most complete and concise source of ADO NET information available ADO NET is the suite of data access technologies in the NET Framework that developers use to build applications services accessing relational data and XML Connecting to databases is a fundamental part of most applications whether they are web Windows distributed client server XML Web Services or something entirely different But ADO NET is substantially different from Microsoft s previous data access technologies including the previous version of ADO so even experienced developers need to understand the basics of the new disconnected model before they start programming with it Current with the NET Framework 1.1 ADO NET in a Nutshell offers one place to look when you need help with anything related to this essential technology including a reference to the ADO NET namespaces and object model In addition to being a valuable reference this book provides a concise foundation for programming with ADO NET and covers a variety of issues that programmers face when developing web applications or Web Services that rely on database access Using C this book presents real world practical examples that will help you put ADO NET to work immediately Topics covered in the book include An Introduction to ADO NET Connections Commands and DataReaders Disconnected Data Advanced DataSets Transactions DataViews and Data Binding XML and the

DataSet Included with the book is a Visual Studio NET add in that integrates the entire reference directly into your help files When combining ADO NET in a Nutshell with other books from O Reilly s NET In a Nutshell series you ll have a comprehensive detailed and independent reference collection that will help you become more productive *Database Programming with Visual Basic .NET and ADO.NET* F. Scott Barker,2003 The topic combination of VB NET and ADO NET is unbeatable VB NET is the most popular language in which to code And every developer needs to understand ADO NET to allow data to be accessed from a Web site In this book Developers will be shown numerous code examples that will illustrate how to program database driven applications within the NET Framework The book is aimed at both established and new VB Developers Important topics covered include Visual Studio development environment ASP NET applications Windows Forms application using VB NET with ADO NET complex queries security COM interop and application deployment Advanced Visual Basic.NET David Gefen,David Geffen,Chittibabu Govindarajulu,2004 This book teaches Visual Basic programming with a focus on the most required skills in the industry It enables readers to develop awareness of the concepts behind Visual Basic through hands on teaching Each chapter presents a short theory basis of the topic to be covered and then involves readers directly into a guided Visual Basic project building activity Extensive coverage of material current in the industry provides readers with industry crucial material including Internet programming and incorporating database programming into programming applications Website provides updated examples and revisions as new versions of Visual Basic and patches are released CD ROM provides readers with sample programs exercises for reinforcement and practice and detailed solutions to the programming examples in the text Hands on programming approach trains readers to effectively code in Visual Basic Programming hints provided throughout highlight for readers those important programming ideas that improve the way readers write and understand code For Visual Basic programmers and trainers ADO.NET Programming Arlen Feldman,2002-07-01 In building client server or three tier applications desktop rich clients or Web applications at some point the application will likely need to be able to access a database ADO NET is the technology within Microsoft s new NET architecture for database access This practical guide to ADO NET begins with the basics and covers all of the pieces of ADO NET In addition to providing information on how to accomplish different tasks it also explains the appropriate approaches for different types of applications Some of these topics include basic database access using SQL Server or OLE DB data providers using the DataSet accessing data using XML remoting and database schema information ADO.NET Programming in Visual Basic™ .NET Steve Holzner,Bob Howell,2002 Prentice Hall PTR s new ADO NET Programming in Visual Basic NET The practical guide to database development with VB NET and ADO NET Includes detailed coverage of XML based Web services Data providers DataGrids DataSets data binding and much more Complete case study application building a robust ADO NET data control Build powerful database apps and Web services fast with VB NET and ADO NET With ADO NET you can build database enabled applications and Web services with more speed flexibility and power than

ever before ADO NET Programming in Visual Basic NET teaches you all you ll need to know to make the most of ADO NET whether you re an experienced Visual Basic database programmer or not The authors realistic code examples and practical insights illuminate ADO NET from its foundations to state of the art data binding and application optimization Coverage includes Understanding the ADO NET class libraries Utilizing Visual Basic NET s powerful database programming tools Connecting to databases using ADO NET s wide range of data providers Using DataSets to read store and process XML data Mastering data binding with Windows Forms and ASP NET Web Forms Building data driven XML based Web Services and Windows thin client applications The book concludes with a complete case study application constructing a NET version of the powerful ADO data control that VB 6 programmers loved but isn t included in ADO NET

*Building Data-Centric .Net Applications with Programming Entity Framework* Moubachir Madani Fadoul,2020-06-03 ADO NET in a Nutshell delivers everything NET programmers will need to get a jump start on ADO NET technology or to sharpen their skills even further ADO NET is the suite of data access technologies in the NET Framework that developers use to build applications services accessing relational data and XML Connecting to databases is a fundamental part of most applications whether they are web Windows R distributed client server XML Web Services or something entirely different But ADO NET is substantially different from Microsoft s previous data access technologies including the previous version of ADO so even experienced developers need to understand the basics of the new disconnected model before they start programming with it Current with the NET Framework ADO NET in a Nutshell offers one place to look when you need help with anything related to this essential technology including a reference to the ADO NET namespaces and object model In addition to being a valuable reference this book provides a concise foundation for programming with ADO NET and covers a variety of issues that programmers face when developing web applications or Web Services that rely on database access Using C this book presents real world practical examples that will help you put ADO NET to work immediately Topics covered in the book include An Introduction to ADO NET Connections Commands and DataReaders Disconnected Data Datatables DataViews and Data Binding XML and the DataSet SQL server connectivity Web form examples MVC examples etc This tutorial guide has been prepared for beginners and professionals to help them in understanding the basic concepts related ADO NET Framework The book tutorial gives you enough understanding on ADO NET Framework from where you can take yourself to a higher level of expertise

**ADO and ADO.NET Programming** Mike Gunderloy,2006-02-20 ADO or ActiveX Data Objects is Microsoft s key technology for data access in client server and Web applications This book covers both ADO and ADO NET in one volume allowing a programmer to select the appropriate technology for their database application The material is good for not only VB NET and C programmers but also those using VBA Access and older versions of the Microsoft programming tools It includes numerous examples showing various combinations of servers and clients including SQL Server Jet and Oracle on the server side and VB Access ASP NET and VB NET on the client side The book also covers more advanced

topics such as disconnected recordsets XML integration schema modification and multidimensional aggregation The companion CD ROM includes all the sample code and applications from the book plus a collection of third party ADO utilities Note CD ROM DVD and other supplementary materials are not included as part of eBook file

**Murach's ADO. NET 4 Database Programming with C# 2010** Anne Boehm,Ged Mead,2011 Now in its 4th edition this book shows C developers how to use Visual Studio and ADO NET to develop database applications the way the best professionals do You will learn how to quickly create Windows and web applications by dragging and dropping data controls in Visual Studio 2010 Code your own presentation business and database classes with ADO NET 4 to build 3 layer applications the route the professionals take for flexibility and control Display and manipulate data in web applications by using ASP NET data controls designed specifically for that purpose like GridView and DetailsView work with XML specific features of ADO NET to read write and manipulate XML data in your applications Use Visual Studio s Report Designer and ReportViewer control to create and display reports in both Windows and web applications Use LINQ to SQL instead of standard SQL so you can query databases using C constructs Create Entity Data Models so you can use LINQ to Entities to work with business objects like invoices while the Entity Framework handles the database details Practice exercises at the end of every chapter and complete database applications throughout help you master every skill along the way And Murach s distinctive paired pages format where each skill is presented with examples and advice in a single 2 page spread is great for both targeted learning and reference

*ADO.NET* Michael Otey,Denielle Otey,2003 A great resource for developers seeking to build databases and applications that access data in Oracle and SQL Server databases and other data sources this handbook has comprehensive coverage that reveals all the efficiencies of the ADO NET framework Includes exclusive coverage with code examples in both VB NET and C

*Professional ADO.NET 2* Wallace B. McClure,Gregory A. Beamer,John J. Croft, IV,J. Ambrose Little,Bill Ryan,Phil Winstanley,David Yack,Jeremy Zongker,2005-12-13 ADO NET revolutionized the way data was accessed through SQL Server Oracle and MySQL With Microsoft s release of ADO NET 2 ADO and the NET Framework are integrated with SQL Server for the first time enabling you to program NET applications directly within the SQL Server database Packed with sample code and recommended best practices for using ADO NET 2 this code intensive book explores the new data types that are available in the 2 0 Framework and discusses the appropriate time and way to use them You ll learn how to make repetitive mundane tasks much simpler and you ll walk away with a solid foundation for developing database driven applications What you will learn from this book The basics of creating a connection executing a query and returning a result Best uses for Oracle in the ADO NET Framework The many new features that are available for XML How to use the full text search capabilities of Microsoft r SQL Server 2005 Methods for retrieving data and presenting it in various ways Why MySQL is a viable option for data storage Who this book is for This book is for experienced database developers who want to learn the latest release of ADO NET 2 0 Knowledge of ADO NET 1 0 general NET development and Microsoft SQL Server is

necessary Wrox Professional guides are planned and written by working programmers to meet the real world needs of programmers developers and IT professionals Focused and relevant they address the issues technology professionals face every day They provide examples practical solutions and expert education in new technologies all designed to help programmers do a better job

**Programming Microsoft ADO.NET 2.0 Applications** Glenn Johnson,2006 Get in depth coverage and expert insights on advanced ADO NET programming topics such as optimization DataView and large objects BLOBs and CLOBs Targeting experienced professional software developers who design and develop enterprise applications this book assumes that the reader knows and understands the basic functionality and concepts of ADO NET 2 0 and that he or she is ready to move to mastering data manipulation skills in Microsoft Windows The book is structured so readers can jump in for reference on each topic as needed complete with pragmatic and instructive code examples

**ADO.NET Examples and Best Practices for C# Programmers** Peter D. Blackburn,William Vaughn,2002-04-01 Written specifically for COM based ADO developers retooling for ADO NET using the C language this book brings fresh insights and tips on the ADO NET technology Veteran authors William Vaughn and Peter Blackburn have packed this formative guide with practical advice on how to write code that is both faster running and easier to understand The onset of the new NET technology is forcing developers to completely rethink their data access strategies This book helps you to do this through working examples and numerous discussions of what works and what doesnt Derived from years of experience working with data access developers ADO NET Examples and Best Practices for C Programmers includes a set of techniques proven to drastically reduce overhead problems and confusionfor the developer the system and the entire team While some are quite simple to implement others require considerable forethought to enable This is a developers bookfull of hints tips and notes passed on from those whove spent significant time in the NET and C trenches

**ADO.NET Programming** Terrence J. Joubert,Ryan N. Payet,2002-10 Aimed at database programmers with a working knowledge of the NET Framework this book dissects the ADO NET component model and provides real world examples demonstrating how ADO NET can be used to manipulate data from different sources

**Microsoft ADO.NET 4 Step by Step** Tim Patrick,2010-10-25 Teach yourself the fundamentals of ADO NET 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 start creating datacentric applications for Windows and the Web Discover how to Connect to external data sources including databases and other data formats Use ADO NET Entity Framework to interact with underlying data stores Build Entity Framework models with graphical design tools in Microsoft Visual Studio 2010 Analyze information stored in ADO NET with various LINQ providers Bind data directly to Windows Forms and Web Forms to drive information to users Manage disconnected or standalone data and information Go beyond the core functionality of ADO NET to manipulate data in more advanced ways Your step by step digital content includes Practice exercises Fully searchable online edition of this book with unlimited access on the Web

**Mastering C# Database Programming** Jason

Price,2006-10-11 Enter a New World of Database Programming C and ADO NET facilitate the development of a new generation of database applications including remote applications that run on the Web Mastering C Database Programming is the resource you need to thrive in this new world Assuming no prior experience with database programming this book teaches you every aspect of the craft from GUI design to server development to middle tier implementation If you re familiar with earlier versions of ADO you ll master the many new features of ADO NET all the more quickly You ll also learn the importance of XML within the new NET paradigm Coverage includes Accessing a database using C and ADO NET Using SQL to access a database Using Visual Studio NET to build applications Creating and modifying database tables Understanding ADO NET classes Designing building and deploying Web applications that access a database Designing building and deploying effective Web services Using SQL Server s built in XML capabilities Working with a database in a disconnected manner Using advanced transaction controls Using Transact SQL to create stored procedures and functions in a SQL Server database

**Programming Microsoft® ADO.NET 2.0 Core Reference, 2nd Edition** David Sceppa,2006 Get a practical introduction to the Microsoft NET Framework 2 0 libraries ADO NET 2 0 that communicate access sort and interact with data from NET connected applications Includes coverage of XML data and Microsoft SQL Server 2005 .NET

*Programming* A. Russell Jones, Mike Gunderloy,2006-02-20 If you re an experienced programmer finding your way with NET then this book is for you If your NET skills are already solid then this book is still for you These ten minute solutions fill the gaps in your knowledge from them you ll learn a lot about the realities of programming with NET technologies whether you re writing database applications web applications or desktop applications But they re also solutions to the problems you re most likely to encounter in each of these areas Particularly when a project entails new techniques or draws you into a realm outside your expertise you need quick and reliable answers Here a couple of veterans provide them Based on the popular question and answer feature of the DevX website all are in depth code intensive solutions that explain both the how and the why helping you past immediate obstacles and ultimately making you a more knowledgeable programmer Here are some of the solutions you ll find inside The new ListBox control s data model how it differs how to work with it why it s better The new I O model storing and retrieving complete objects with streams Launching and monitoring external programs from VB NET applications the Process class and how it improves on classic VB Shell command ADO NET support for keeping calculated columns up to date automatically Moving data between distributed tiers and keeping it synchronized using DiffGrams Solutions are organized into three categories general NET topics that cut across category boundaries problems that arise when you re building Windows forms and issues associated specifically with ADO NET and ASP NET programming chores The book contains VB NET code examples for every solution

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