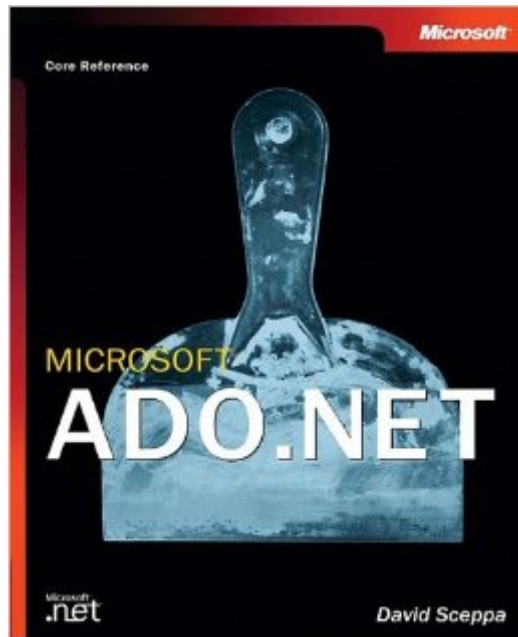# Microsoft® ADO.NET (Core Reference) (Developer Reference)

Synopsis

Microsoft ActiveX® Data Objects .NET (ADO.NET) is a set of libraries included with the Microsoft .NET Framework that helps you communicate with data from .NET-based applicationsâ "including XML data. Discover how to access, sort, and manipulate data in Web-enabled enterprise applications with this book. Youâ ™ll get expert guidance and insider tips from a leading database and ADO authority about how to write, test, and debug database code with the tools and wizards in Visual Studio .NET. Youâ ™ll also learn about the improved ADO.NET object model, its XML features for Web extensibility, its enhanced integration with Microsoft SQL Serverâ„¢ 2000, and more.Topics covered in this guide include: Overview of ADO.NET Building applications with the Data Form Wizard Connecting to your database Querying your database Working with DataAdapters Storing data in DataSets Filtering and searching data in DataSets Working with relational data Submitting updates to your database Advanced updating scenarios Using strongly typed DataSets Interacting with XML data Building effective Windows® database applications Building effective Web database applications INCLUDED ON CD-ROM: A fully searchable electronic copy of the book Sample code in C# and Microsoft Visual Basic® .NET (also available from the link on this page) A Note Regarding the CD or DVDThe print version of this book ships with a CD or DVD. For those customers purchasing one of the digital formats in which this book is available, we are pleased to offer the CD/DVD content as a free download via O'Reilly Media's Digital Distribution services. To download this content, please visit O'Reilly's web site, search for the title of this book to find its catalog page, and click on the link below the cover image (Examples, Companion Content, or Practice Files). Note that while we provide as much of the media content as we are able via free download, we are sometimes limited by licensing restrictions. Please direct any questions or concerns to booktech@oreilly.com.

Book Information

Series: Developer Reference

Hardcover: 736 pages

Publisher: Microsoft Press (June 15, 2002)

Language: English

ISBN-10: 0735614237

ISBN-13: 978-0735614239

Product Dimensions: 7.4 x 2.1 x 9 inches

Shipping Weight: 3.2 pounds

Average Customer Review: 4.4 out of 5 stars See all reviews (51 customer reviews)

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Customer Reviews

I read through the entire book over the course of about a day and a half. It is nice to find a technical book that is enjoyable to read.This is currently the best ADO.NET book on the market. While there are a couple of areas where I believe some other books have provided better coverage (concurrency handling, for example), I know of no book that covers the whole of ADO.NET as well as this tome.The flow of the book is very nice. Starting you out with DataConnections, the book logically moves through commands, readers, adapters and DataSets, which it further breaks down into its constituent parts. The last few chapters cover updates, transactions, XML and a few other advanced topics.While the writing makes this book easier to read than the competition, I would not rate this as a beginner's book. If you are just getting into ADO.NET, and have not coded many data-driven apps, you will do well to revisit this book in a few months.The strongest section in this book is probably the extensive coverage of the DataSet. Learning how to manipulate data with a DataSet is core to success with ADO.NET.One of the biggest disappointments, for me, is the reliance on the System.Data.OleDb namespace. While certainly the most flexible, there should have been a few more SqlClient examples. In all fairness to the author, the SqlClient, OleDb and Oracle providers are covered in the Appendix. The author also warns you about differences between OleDb and SqlClient that you will have to take into account moving your code from one to the other.I also wish the author had taken a little more time setting up a web application, as most of the application development I do is for the web.

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