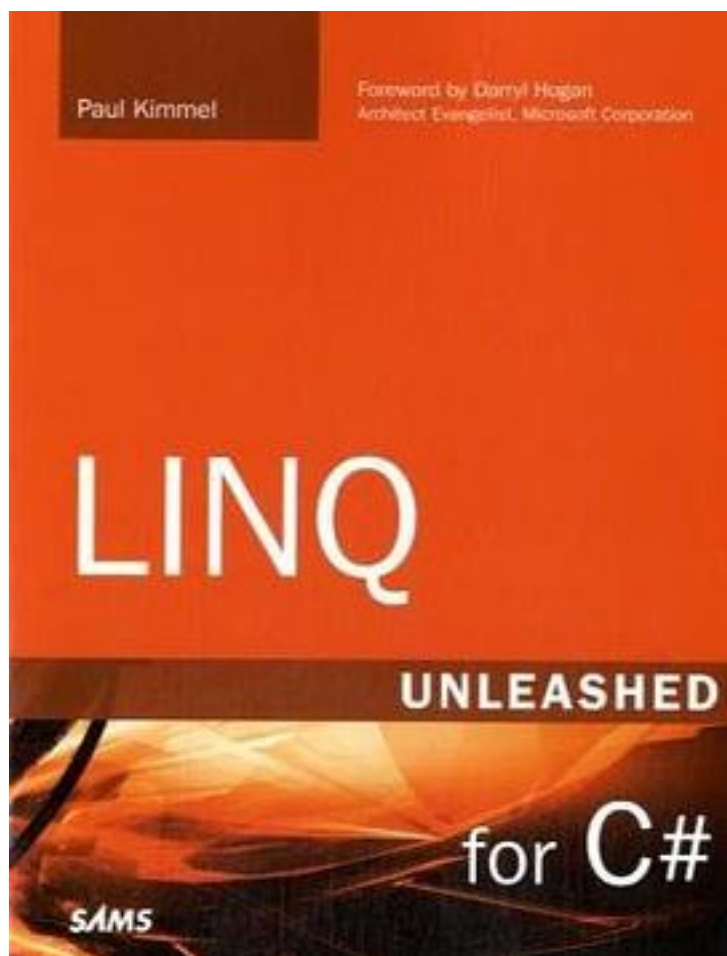# LINQ Unleashed

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Foreword by Darryl Hogan, Architect Evangelist, Microsoft Corporation Microsoft's highly anticipated LINQ query technology makes it easy to retrieve any information programmatically from any data source, no matter where it comes from or how it's

stored. Using LINQ, developers can query objects, relational databases, XML documents, and ADO.NET datasets--and do it all directly from C# 3.0, leveraging the powerful capabilities of LINQ. This is a definitive guide to getting real-world results with LINQ, using C# 3.0 and Visual Studio 2008. In LINQ Unleashed, Microsoft MVP Paul Kimmel covers every facet of LINQ programming, showing how LINQ can help you dramatically improve your productivity and build more reliable, maintainable applications. Kimmel begins by reviewing the state-of-the-art C# programming techniques LINQ uses, including anonymous types, partial methods, and Lambda expressions. Next, using realistic examples and easy-to-adapt sample code, he details the most powerful new LINQ techniques for accessing objects, databases, and XML. You'll gain a deep and practical understanding of how LINQ works "under the hood"--and learn how to do everything from selecting data through integrating XML with other data models. * Build efficient LINQ queries to .NET objects, SQL databases, and XML content * Utilize anonymous types to reduce design time, coding effort, and debugging time * Automatically generate .NET state machines with the new yield return construct * Master LINQ query syntax, operators, extension methods, sorting, grouping, aggregate and set operations, and more * Make the most of select--and use it in the business layer of your n-tier applications * Query relational data stored in Microsoft SQL Server * Use nullable types to eliminate unnecessary database access plumbing code * Use LINQ with ADO.NET 3.0 and Microsoft's powerful new Entity Framework * Extract XML data without the hassles or complexity of XPath * Automatically construct XML from CSV files and other non-XML data * Query Active Directory by extending LINQ Introduction 1 Part I Getting Ready for LINQ 1 Programming with Anonymous Types 5 2 Using Compound Type Initialization 29 3 Defining Extension and Partial Methods 61 4 yield return: Using . NET's State Machine Generator 85 5 Understanding Lambda Expressions and Closures 97 6 Using Standard Query Operators 121 Part II LINQ for Objects 7 Sorting and Grouping Queries 137 8 Using Aggregate Operations 151 9 Performing Set Operations 167 10 Mastering Select and SelectMany 185 11 Joining Query Results 211 12 Querying Outlook and Active Directory 239 Part III LINQ for Data 13 Querying Relational Data with LINQ 265 14 Creating Better Entities and Mapping Inheritance and Aggregation 289 15 Joining Database Tables with LINQ Queries 309 16 Updating Anonymous Relational Data 349 17 Introducing ADO.NET 3.0 and the Entity Framework 383 Part IV LINQ for XML 18 Extracting Data from XML 415 19 Comparing LINQ to XML with Other XML Technologies 437 20 Constructing XML from Non-XML Data 453 21 Emitting XML with the XmlWriter 463 22 Combining XML with Other Data Models 469 23 LINQ to XSD Supports Typed XML Programming 485 Index

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书评

这本书的一个最大的特点是示例非常多，所以非常适合懒着写代码又想学东西的guys。
几乎CTRL+C，CTRL+V再F5(有时需要F10一下)这本书就学完了。
中文翻译叫"LINQ编程技术内幕"，有点吸引眼球的意思。
前6章讲的都是C#3.5的新特性，包括var，扩展方法，Lambda表达式等...

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