

Contents

<i>Foreword</i>	<i>xv</i>
<i>About the Author</i>	<i>xxiii</i>
<i>About the Technical Reviewer</i>	<i>xxv</i>
<i>About the Foreword Writer</i>	<i>xxvii</i>
<i>Acknowledgments</i>	<i>xxix</i>
<i>Introduction</i>	<i>xxxi</i>
 Part One The Mainframe Paradigm Shift	 1
 Chapter 1 Your Future with COBOL	 3
<i>Why Software Vendors Care About Mainframe COBOL</i>	<i>4</i>
<i>Creating a New Standard for Mainframe COBOL</i>	<i>6</i>
<i>Mainframe COBOL: How Will It Look?</i>	<i>15</i>
<i>Your Reformation Has Begun</i>	<i>25</i>
<i>Summary</i>	<i>27</i>
<i>To Learn More</i>	<i>28</i>
 Chapter 2 What Is .NET?	 29
<i>Putting the .NET Question into Perspective</i>	<i>30</i>
<i>Programming Essentials with a .NET Language</i>	<i>31</i>
<i>Accessing Data the .NET Way</i>	<i>37</i>
<i>Interfacing with the User Using .NET</i>	<i>40</i>
<i>Understanding Advanced .NET Technologies</i>	<i>46</i>
<i>Marketing and Planning for .NET</i>	<i>52</i>
<i>Summary</i>	<i>57</i>
<i>To Learn More</i>	<i>58</i>

Chapter 3	.NET Retraining Prerequisites,	
	Part 1	59
	<i>Presenting a Historical View to Understand</i>	
	Our Future	60
	Take a Reality Check	65
	Building Blocks for Your .NET Training	66
	Summary	90
	To Learn More	91
Chapter 4	.NET Retraining Prerequisites,	
	Part 2	93
	<i>Object-Oriented Programming</i>	94
	<i>Hypertext Markup Language</i>	105
	<i>Client-Side Scripting Languages</i>	110
	<i>Extensible Markup Language</i>	115
	<i>Summary</i>	127
	<i>To Learn More</i>	127
Part Two	.NET Programming	
	Essentials	131
Chapter 5	Inside the .NET Integrated	
	Development Environment	133
	<i>Integrated Development Environments</i>	134
	<i>Choosing Your .NET Language</i>	159
	<i>Developing Your First .NET Programs</i>	163
	<i>Summary</i>	169
	<i>To Learn More</i>	170
Chapter 6	The Nuts and Bolts of .NET	
	Programming	171
	<i>Taking a New Look at Old Programming Syntax</i>	171
	<i>Examining Microsoft Intermediate Language</i>	197
	<i>Summary</i>	202
	<i>To Learn More</i>	202

Chapter 7	The .NET Framework	205
	Dicing the .NET Framework	205
	(Re)using the .NET Framework	228
	Summary	242
	To Learn More	243
Chapter 8	The .NET Common Language Runtime	245
	Understanding the Common Language Runtime	245
	The Garbage Collector	249
	Summary	278
	To Learn More	278
Chapter 9	Creating and Using Objects	281
	The Origin of “the Object”	282
	Finally, Value versus Reference Objects	288
	Object Visibility and Availability	313
	Summary	318
	To Learn More	318
Part Three	Reading, Writing, and Describing Data	321
Chapter 10	A New Perspective Toward Data	323
	A Basic View of Data: Files	324
	An Extended View of Data: Data Repositories	342
	A Meta View of Data: Metadata	347
	Summary	357
	To Learn More	357

Chapter 11 Database Programming with .NET	359
SQL Server 2000: A .NET Enterprise Server	360
Database Programming with .NET	377
Summary	405
To Learn More	406
 Chapter 12 XML in a Managed Environment	 409
XML and the .NET Dataset	410
An XML Namespace: System.Xml	434
The Other XML Namespaces	439
Summary	440
To Learn More	441
 Part Four Interfacing and Interacting with the User	 443
 Chapter 13 Windows Forms, Web Forms, and No Forms	 445
Developing with the User in Mind	447
Windows Development on .NET	453
ASP.NET Web Development	471
Summary	505
To Learn More	505
 Chapter 14 Adding Value to Your Interface	 509
Making Your Windows Applications Informative	510
Making Your ASP.NET Applications Interactive	528
Adding Value with XML Web Services	543
Summary	547
To Learn More	548

Chapter 15 Managing Cache and State for ASP.NET551

Legacy CICS “State Management”	552
Preparation for Cache and State	554
Save Your Cache!	556
State for the Stateless Protocol	562
Other Types of “State Management”	590
User Interface for the Sample Applications	592
Summary	593
To Learn More	594

Chapter 16 Reporting and Information Delivery597

Using Crystal Reports for VS .NET	598
Electronic Report Delivery	614
Summary	628
To Learn More	629

Chapter 17 Deploying Your .NET Application631

Deployment Considerations	632
Automate with Microsoft Windows Installer 2.0	647
The Manual Approach: XCOPY or Copy	667
Summary	676
To Learn More	677

Part Five Advanced .NET Technologies679

Chapter 18 Configuration for .NET Applications681

Configuration with Directives	682
Configuration with Custom Attributes	684
Configuration with XML-Based Files	706
Configuration with Configuration Namespaces	718

<i>Configuring for Code Access Security</i>	<i>722</i>
<i>Summary</i>	<i>746</i>
<i>To Learn More</i>	<i>747</i>
 Chapter 19 Using Enterprise Services (COM+)	 749
<i>What Is COM+?</i>	<i>750</i>
<i>Creating a Serviced Component</i>	<i>757</i>
<i>Introducing Your Serviced Component to COM+</i>	<i>767</i>
<i>Using Your Serviced Component</i>	<i>790</i>
<i>Summary</i>	<i>797</i>
<i>To Learn More</i>	<i>798</i>
 Chapter 20 Developing for the Enterprise	 801
<i>Distributed, Asynchronous, and Concurrent Application Models</i>	<i>803</i>
<i>Revisiting Microsoft Message Queuing (MSMQ)</i>	<i>805</i>
<i>Asynchronous Processing</i>	<i>821</i>
<i>.NET Remoting</i>	<i>843</i>
<i>Introducing Multithreading</i>	<i>847</i>
<i>Summary</i>	<i>877</i>
<i>To Learn More</i>	<i>878</i>
 Part Six Appendixes	 883
 Appendix A Debugging and Testing	 885
<i>Debugging</i>	<i>886</i>
<i>Testing</i>	<i>900</i>
<i>Summary</i>	<i>909</i>
<i>To Learn More</i>	<i>910</i>

Appendix B A Sharp Primer: C# and J#	913
Introducing Visual C# .NET	913
Introducing Visual J# .NET	925
Summary	933
To Learn More	934
 Appendix C Religion, Landmines, and Distractions	937
Distractions: Been There, Done That	938
Summary	944
To Learn More	945
 Appendix D Fujitsu's NetCOBOL for .NET	947
Product Features	947
Product Documentation	949
Summary	950
To Learn More	951
 Index	953



<http://www.springer.com/978-1-59059-048-5>

COBOL and Visual Basic on .NET
A Guide for the Reformed Mainframe Programmer
Richardson, C.L.
2003, XXXIX, 1032 p., Softcover
ISBN: 978-1-59059-048-5
A product of Apress