

C# COM+ Programming

Derek Beyer

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IPR2022-00368

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C# COM+ Programming

Published by
MET Books
an imprint of Hungry Minds, Inc.
909 Third Avenue
New York, NY 10022
www.hungryminds.com

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Library of Congress Control Number: 2001089342

ISBN: 0-7645-4835-2

Printed in the United States of America

10 9 8 7 6 5 4 3 2 1

1B/SR/QZ/QR/IN

Distributed in the United States by
Hungry Minds, Inc.

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COM+ Programming

Derek Beyer, MCP+, specializes in programming distributed applications using Visual Basic, C++, and, most recently, C# and .NET. Currently the enterprise architect for a large Midwestern retailer in the U.S., he has worked on a wide variety of projects, including a top-ten B2C Web site, an ERP Web integration, and a distributed application that integrates legacy systems.



SOURCE CODE ON CD-ROM

Complete examples for developing COM+ components in C# including:

- Queued component
- Remote component
- Pooled component
- Event-driven component
- Role-based security component, and
- C# transactional component and client application

System Requirements:

PC running Windows. See the "What's on the CD-ROM" Appendix for further requirements and details.

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Your Complete Guide to COM+ Services in the .NET Framework

Whether you want to integrate existing COM+ services into the .NET Framework or create all-new .NET COM+ services using C#, this unique guide shows you the way. With lucid explanations and a generous helping of sample components and source code, COM+ expert Derek Beyer shows you step by step how to consume COM components from .NET, consume .NET components from COM, and create .NETCOM+ components for transactions, security, events, object pooling, queuing, and remoting.

Your Road Map to COM+ and .NET Integration

- Understand the .NET Framework and Common Language Runtime
- Convert COM type libraries into .NET namespaces
- Transform .NET assemblies into COM type libraries
- Harness JIT activation, synchronization, and AutoComplete in a transaction component
- Create a role-based security component
- Write a loosely coupled events component and create subscriptions with COM+ Explorer
- Learn the ins and outs of object pooling, from attributes to scalability
- Get the scoop on MSMQ, exceptions, error handling, and other queuing issues
- Use SOAP, channels, formatters, proxies, and other tools to create remoting serviced components

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