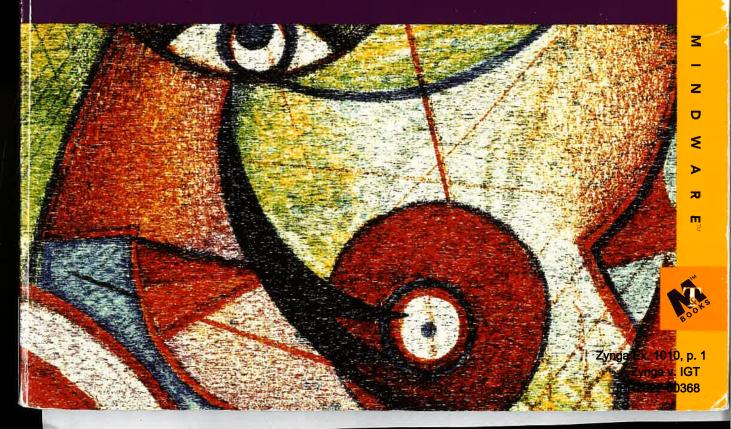# C# COM+ Programming

Derek Beyer

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— Michael Lane Thomas, .NET Series Editor

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C# COM+ Programming

Derek Beyer, MCP+I, 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.

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.

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- 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
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