



COM and CORBA Side by Side: Architectures, Strategies, and Implementations

By Jason Pritchard Ph.D.

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The COM and CORBA technologies are often pitted against each other, viewed simply as competing architectures for creating distributed solutions. While the most significant difference between COM and CORBA is their support for different operating system platforms, software developers must realize that each technology has its own strengths that clearly differentiate it from the other. In COM and CORBA(r) Side by Side, Jason Pritchard objectively describes when and how developers should use both technologies--together or separately--to maximize the success of their designs. This book helps software practitioners analyze and transcend their personal biases toward COM or CORBA so that they may objectively seek the best implementation strategy. The author helps you cut through vendor marketing hype by presenting a clear, logical formula to help you choose between the two technologies. In short, COM and CORBA(r) Side by Side is an invaluable resource for making informed, critical decisions about using one or both of these technologies in your next project.

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Editorial Review

Amazon.com Review

For today's distributed computing, the two biggest players are undoubtedly Microsoft DCOM and OMG CORBA. Evaluating which standard is best for your organization is the main objective of *COM and CORBA Side by Side*. Written for the IS manager or designer planning for distributed computing, this book provides a thorough introduction to these two difficult technologies while showing the strengths of each and even ways to let COM and CORBA work together on the enterprise.

The major strength of this book is its parallel presentation of key concepts of distributed computing using both DCOM and CORBA. The author shows how objects work under each standard and how to program with them using C++, Java, and Visual Basic (for DCOM only). (Short, useful code excerpts show the different programming techniques with each standard.) He explains how distributed computing works in general as well as the specifics and advantages of DCOM and CORBA for today's enterprise. (The basic differences remain--Microsoft is a proprietary standard with great development tools and little cross-platform support while CORBA is a strong cross-platform option with fewer options for development tools.) Throughout this book, the author offers several assessment guides for choosing which standard to adopt for your organization based on its needs.

Actually, DCOM and CORBA have a lot in common, judging by the book's sections on transactions, component support, and server-side processing. (Later sections look at the possibility of bridging both DCOM and CORBA using proprietary tools.) It's clear that both DCOM and CORBA will be around for the foreseeable future, and this intelligent and richly presented tutorial can help any organization choose the best fit. --Richard Dragan

Topics covered: Distributed object basics, n-tiered architectures, DCOM and CORBA fundamentals, IDL, COM programming in C++/Visual Basic/Java, CORBA programming in C++/Java, creating and destroying objects, server-side DCOM and CORBA, assessment strategies, legacy systems, wrappers and gateways, development tools, transactions and MTS/OTS, security, desktop and Internet clients, COM/CORBA bridging, Microsoft JVM, commercial bridging solutions, and enterprise application servers.

From the Back Cover

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Other highlights of this book.

- Explains why COM and CORBA currently hold dominant positions in the marketplace
- Describes an objective strategy for assessing the use of the two architectures on the server
- Examines client approaches for each technology, including design issues related to remoting and security
- Illustrates how COM and CORBA can be used together, with details on both custom and commercial bridging approaches

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About the Author

Jason Pritchard, Ph.D., has extensive experience programming with CORBA and COM. As a developer and architectural lead for PSW Technologies, he has become an authority on both technologies and has gained vast insight into their coexistence and interoperability.

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Users Review

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Steven Weathers:

In this 21st millennium, people become competitive in each and every way. By being competitive currently, people have to do something to make them survive, being in the middle of the crowded place and notice by surrounding. One thing that sometimes many people have underestimated it for a while is reading. That's why, by reading a e-book your ability to survive enhance then having chance to stay than other is high. For you personally who want to start reading some sort of book, we give you this kind of COM and CORBA Side by Side: Architectures, Strategies, and Implementations book as beginning and daily reading book. Why, because this book is usually more than just a book.

Daryl Thurmond:

The event that you get from COM and CORBA Side by Side: Architectures, Strategies, and Implementations will be the more deep you digging the information that hide within the words the more you get interested in reading it. It does not mean that this book is hard to comprehend but COM and CORBA Side by Side: Architectures, Strategies, and Implementations giving you excitement feeling of reading. The article author conveys their point in certain way that can be understood by simply anyone who read the idea because the author of this publication is well-known enough. This particular book also makes your vocabulary increase well. Therefore it is easy to understand then can go along, both in printed or e-book style are available. We propose you for having that COM and CORBA Side by Side: Architectures, Strategies, and Implementations instantly.

Fay Harris:

Often the book COM and CORBA Side by Side: Architectures, Strategies, and Implementations has a lot of knowledge on it. So when you make sure to read this book you can get a lot of advantage. The book was compiled by the very famous author. McDougal makes some research just before write this book. This specific book very easy to read you may get the point easily after perusing this book.

Carol Ton:

COM and CORBA Side by Side: Architectures, Strategies, and Implementations can be one of your beginner books that are good idea. All of us recommend that straight away because this book has good vocabulary that will increase your knowledge in terminology, easy to understand, bit entertaining but nonetheless delivering the information. The writer giving his/her effort to get every word into pleasure arrangement in writing COM and CORBA Side by Side: Architectures, Strategies, and Implementations but doesn't forget the main point, giving the reader the hottest along with based confirm resource information that maybe you can be among it. This great information could draw you into completely new stage of crucial pondering.

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