



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

From reader reviews:

Ellen Weiss:

This COM and CORBA Side by Side: Architectures, Strategies, and Implementations is great guide for you because the content which is full of information for you who also always deal with world and still have to make decision every minute. This kind of book reveal it facts accurately using great coordinate word or we can state no rambling sentences included. So if you are read the item hurriedly you can have whole info in it. Doesn't mean it only provides you with straight forward sentences but tricky core information with beautiful delivering sentences. Having COM and CORBA Side by Side: Architectures, Strategies, and Implementations in your hand like finding the world in your arm, info in it is not ridiculous 1. We can say that no book that offer you world with ten or fifteen tiny right but this guide already do that. So , this is certainly good reading book. Hey there Mr. and Mrs. occupied do you still doubt in which?

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