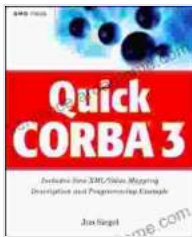# Quick CORBA Object Management Group: A Comprehensive Guide for Developers

CORBA (Common Object Request Broker Architecture) is a standard for distributed computing that enables objects to communicate with each other regardless of their location or programming language. It is an Object Management Group (OMG) specification that has been widely adopted by the software industry.

Quick CORBA 3 (Object Management Group Book 1)

by Jon Siegel

★★★★★ 5 out of 5

Language	: English
File size	: 4426 KB
Text-to-Speech	: Enabled
Print length	: 400 pages
Lending	: Enabled

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CORBA provides a number of benefits, including:

- **Language independence:** CORBA objects can be written in any programming language that supports the CORBA specification.

- **Platform independence:** CORBA objects can run on any platform that supports the CORBA specification.

- **Transparency:** CORBA objects can communicate with each other as if they were local objects.

- **Scalability:** CORBA can be used to develop large-scale distributed systems.

- **Reliability:** CORBA provides a number of features that ensure the reliability of distributed systems.

How CORBA Works

CORBA works by using a broker called an Object Request Broker (ORB). The ORB is responsible for managing the communication between CORBA objects. When a CORBA object wants to communicate with another CORBA object, it sends a request to the ORB. The ORB then forwards the request to the target object.

The ORB also provides a number of other services, including:

- **Object activation and deactivation:** The ORB activates CORBA objects when they are needed and deactivates them when they are no longer needed.

- **Object location:** The ORB maintains a directory of CORBA objects so that they can be easily located.

- **Security:** The ORB provides a number of security features to protect CORBA objects from unauthorized access.

Benefits of Using CORBA

There are a number of benefits to using CORBA in your development projects, including:

- **Increased productivity:** CORBA makes it easier to develop distributed systems by providing a standard way to communicate

between objects.

- **Reduced costs:** CORBA can help to reduce the cost of developing and maintaining distributed systems.

- **Improved performance:** CORBA can help to improve the performance of distributed systems by reducing the overhead associated with communication between objects.

- **Increased reliability:** CORBA provides a number of features that ensure the reliability of distributed systems.

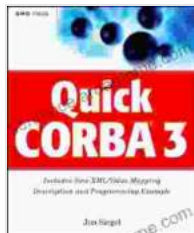- **Scalability:** CORBA can be used to develop large-scale distributed systems.

Getting Started with CORBA

If you are interested in using CORBA in your development projects, there are a number of resources available to help you get started.

- The OMG website provides a wealth of information about CORBA, including tutorials, documentation, and specifications.

- There are a number of books and online courses available that can teach you how to use CORBA.

- There are a number of open source CORBA implementations available, including Apache OpenORB and JacORB.

CORBA is a powerful standard for distributed computing that can help you to develop more productive, cost-effective, reliable, scalable, and high-performing distributed systems.

If you are interested in learning more about CORBA, I encourage you to visit the OMG website or to read one of the many books and online courses that are available.

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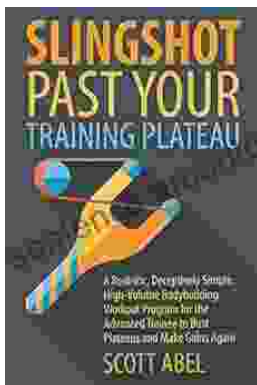
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