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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Invited Industry Presentation -- Application Integration with CORBA and XML -- Middleware Selection -- Middleware Selection -- A Key Technology Evaluation Case Study: Applying a New Middleware Architecture on the Enterprise Scale -- An Architecture Proposal for Enterprise Message Brokers -- Resource Management -- Resource Management -- The Importance of Resource Management in Engineering Distributed Objects -- Towards Designing Distributed Systems with ConDIL -- Architectural Reasoning -- Architectural Reasoning -- Automatic Generation of Simulation Models for the Evaluation of Performance and Reliability of Architectures Specified in

UML -- Architectural Reflection Realising Software Architectures via Reflective Activities -- Using Model Checking to Detect Deadlocks in Distributed Object Systems -- Component Metadata for Software Engineering Tasks -- On Using Static Analysis in Distributed System Testing -- Distributed Communication -- Distributed Communication -- Distributed Proxy: A Design Pattern for the Incremental Development of Distributed Applications -- Modeling with Filter Objects in Distributed Systems -- Advanced Transactions -- Advanced Transactions -- Integrating Notifications and Transactions: Concepts and X2TS Prototype -- Advanced Transactions in Enterprise JavaBeans -- Service Integration -- Service Integration -- Customizable Service Integration in Web-Enabled Environments -- Migrating and Specifying Services for Web Integration.

Sommario/riassunto

Wolfgang Emmerich Engineering Distributed Objects The pay-offs for creating distributed applications are in achieving portability, scalability and fault-tolerance. In order to simplify building software that performs robustly regardless of platform or network infrastructure, a new strata of 'middleware' has been created. This book provides a conceptual framework within which to describe object-oriented middleware for the integration of distributed objects. UML is used to explain distributed systems concepts. Presenting both an extended case study and smaller illustrative examples, there are plenty of coded examples in Java, C++, CORBA IDL and Microsoft IDL, which reflect the reality of today's multi-language heterogeneous systems. This is a book for developers who are new to programming in distributed environments. It also supports a variety of courses where the central theme is object-oriented development with middleware technologies. The book shows the middleware concepts and principles using examples taken from: * OMG/CORBA * Microsoft COM * Java/RMI On the accompanying website (http://www.distributed-objects.com) are exercises, sample solutions and working code for the examples. This site is also designed for instructors to assist them with course development and delivery.