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A Pattern Language for
Distributed Computing



Volume 4

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Pattern Oriented Software Architecture Volume 4 A

Pattern Language For Distributed Computing

Brendan G. Carr

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Buschmann, Kevin Henney, Douglas C. Schmidt, 2007-04-04 The eagerly awaited Pattern Oriented Software Architecture POSA Volume 4 is about a pattern language for distributed computing. The authors will guide you through the best practices and introduce you to key areas of building distributed software systems. POSA 4 connects many stand alone patterns, pattern collections and pattern languages from the existing body of literature found in the POSA series. Such patterns relate to and are useful for distributed computing to a single language. The panel of experts provides you with a consistent and coherent holistic view on the craft of building distributed systems. Includes a foreword by Martin Fowler. A must read for practitioners who want practical advice to develop a comprehensive language integrating patterns from key literature.

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Schmidt, Michael Stal, Hans Rohnert, Frank Buschmann, 2000-10-03 Designing application and middleware software to run in concurrent and networked environments is a significant challenge to software developers. The patterns catalogued in this second volume of Pattern Oriented Software Architectures POSA form the basis of a pattern language that addresses issues associated with concurrency and networking. The book presents 17 interrelated patterns ranging from idioms through architectural designs. They cover core elements of building concurrent and network systems, service access and configuration, event handling, synchronization and concurrency. All patterns present extensive examples and known uses in multiple programming languages including C, C++ and Java. The book can be used to tackle specific software development problems or read from cover to cover to provide a fundamental understanding of the best practices for constructing concurrent and networked applications and middleware. About the Authors: This book has been written by the award winning team responsible for the first POSA volume A System of Patterns joined in this volume by Douglas C. Schmidt from University of California Irvine UCI USA. Visit our Web Page

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- Chapter 5: Conclusion

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