



Software Reuse: Architecture, Process and Organization for Business Success

By Ivar Jacobson, M. Griss, P. Jonsson

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"How can I incorporate reuse into my complex software development process in order to gain a competitive edge?" This is a question that many have attempted to answer by taking up object technology, with varying degrees of success. In *Software Reuse: Architecture, Process and Organization for Business Success*, the authors present a brand new, technically innovative, coherent and systematic model for implementing reuse. They have combined their experience in the fields of object oriented software engineering, business engineering and systematic software reuse to create the Reuse-Driven Software Engineering Business (Reuse Business) framework. *Software Reuse: Architecture, Process and Organization for Business Success* - introduces the concept of software reuse as a business success enable - describes how the right architecture allows applications and components to evolve gracefully - provides guidelines for implementing software engineering processes - advises on organizational issues such as the structure, transition, day-to-day management, economics and measurement. Whether you are a software engineer, architect, designer, programmer or manager, whether you are familiar with the concepts of reuse, component-based software engineering, object oriented technology and business engineering or not, you should read *Software Reuse: Architecture, Organization and Process for Business Success*. In it you will find new ground-breaking information and advice Visit the Rational Web Site <http://www.rational.com>

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Software Reuse: Architecture, Process and Organization for Business Success By Ivar Jacobson, M. Griss, P. Jonsson **Bibliography**

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Editorial Review

Amazon.com Review

Software reuse sounds great in principle (why rewrite code you have always written once?), but converting principle to practice has proved daunting. *Software Reuse* explains what it takes to build reusable software, from business characteristics to engineering requirements to techniques you can implement during design stages.

Review

"There is still a lot of controversy about whether object-oriented software reuse really pays off. This book provides not only many successful examples from Griss' work at Hewlett-Packard, Jacobson's work at Ericsson, and elsewhere, but also an experience-based approach for repeating the successes. The approach involves not just a class-library silver bullet, but an integrated strategy involving business-case analysis, domain engineering, product line architecting, people and process management, and life-cycle software asset management. A particularly nice feature of the book is a reuse-oriented tailoring of the Jacobson-Booch-Rumbaugh Unified Modeling Language."

Barry Boehm, TRW Prof of Software Engineering, Director of Center for Software Engineering University of Southern California.

"This book tells it as it is: reuse is a business as well as a technical decision that requires engineering discipline and management support. If you are serious about improving your software development productivity and reducing your time to market by making OO work for you, then read this book. You won't be disappointed!"

Will Tracz, Senior Programmer in Advanced Technology, Lockheed Martin Federal Systems.

"This book is comprehensive in its coverage of the fundamentals of software reuse, the subject that is catalysing the transformation of our industry from a craft to an engineering discipline. I commend Jacobson, Griss and Jonsson for their important contribution to the field."

Paul Bassett, Senior Vice President Research, Netron Inc.

"This is the best book on software reuse I've ever seen. It should be on the desk of every project manager who wants to improve productivity, quality and timeliness in software development."

David Taylor, President, Enterprise Engines Inc.

From the Back Cover

Front FlapBack FlapBack of Jacket; Certainly this book is overdue. Achieving serious reuse is hard, we need all the codified expertise we can get.; David Redmond-Pyle, LBMS [NB. Need more details on affiliation and permission for changes to his quote]; There is still a lot of controversy about whether object-oriented software reuse really pays off. This book provides not only many successful examples from Griss' work at Hewlett-Packard, Jacobson's work at Ericsson, and elsewhere, but also an experience-based approach for repeating the successes. The approach involves not just a class-library silver bullet, but an integrated strategy involving business-case analysis, domain engineering, product line architecting, people and process

management, and life-cycle software asset management. A particularly nice feature of the book is a reuse-oriented tailoring of the Jacobson-Booch-Rumbaugh Unified Modeling Language. Barry Boehm, TRW Prof of Software Engineering, Director of Center for Software Engineering University of Southern California. This book tells it as it is: reuse is a business as well as a technical decision that requires engineering discipline and management support. If you are serious about improving your software development productivity and reducing your time to market by making OO work for you, then read this book. You won't be disappointed! Will Tracz, Senior Programmer in Advanced Technology, Lockheed Martin Federal Systems. This book is comprehensive in its coverage of the fundamentals of software reuse, the subject that is catalysing the transformation of our industry from a craft to an engineering discipline. I commend Jacobson, Griss and Jonsson for their important contribution to the field. Paul Bassett, Senior Vice President Research, Netron Inc.-----

----- How can I incorporate reuse into my complex software development process in order to gain a competitive edge? This is a question that many have attempted to answer by taking up object technology, with varying degrees of success. In *Software Reuse: Architecture, Process and Organization for Business Success*, the authors present a brand new, technically innovative, coherent and systematic model for implementing reuse. They have combined their experience in the fields of object oriented software engineering, business engineering and systematic software reuse to create the Reuse-Driven Software Engineering Business (Reuse Business) framework. *Software Reuse: Architecture, Process and Organization for Business Success* introduces the concept of software reuse as a business success enabler, describes how the right architecture allows applications and components to evolve gracefully, provides guidelines for implementing software engineering processes, advises on organizational issues such as the structure, transition, day-to-day management, economics and measurement. Whether you are a software engineer, architect, designer, programmer or manager, whether you are familiar with the concepts of reuse, component-based software engineering, object oriented technology and business engineering or not, you should read *Software Reuse: Architecture, Organization and Process for Business Success*. In it you will find new ground-breaking information and advice. Ivar Jacobson is the inventor of the Objectory OO method and the Vice President of Process Engineering at Rational Software Corporation. He is intimately involved with the development of UML and a leader in the OO community. He is principal author of two influential books, *Object Oriented Software Engineering - A Use Case Driven Approach* and *The Object Advantage: Business Process Reengineering with Object Technology*. Martin Griss is a Senior Laboratory Scientist at Hewlett Packard Laboratories where, as HP's Reuse Rabbi, he created the Corporate Reuse Program and led HP's technical contributions as co-submitter of UML to the OMG. He also writes a reuse column for *Object Magazine* and is active on several reuse program and steering committees. Patrik Jonsson works at Rational Software Corporation in Sweden as a Senior Consultant where he has been developing the architecture and method of the Objectory process with a current focus on reuse and user interface development. He is a co-author of *Object Oriented Software Engineering - A Use Case Driven Approach*.

Users Review

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Donald Link:

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Melissa Becker:

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