



Convergent Architecture: Building Model-Driven J2EE Systems with UML (OMG)

By Richard Hubert

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The only complete technical guide to building integrated business systems using the convergent architecture approach

In his groundbreaking *Business Engineering with Object Technology* (0-471-04521-7), David Taylor introduced the concept of convergent architecture (CA), a framework for building the business design directly into the software systems that support it. Now, in this important follow-up to that 1995 classic, expert Richard Hubert provides systems developers and architects with their first complete blueprint for building integrated CA business systems using the hottest technologies, including Enterprise JavaBeans, XML, UML, Rational Rose, and others. Following a detailed introduction to the elements of CA, he walks readers through the entire CA design and implementation process, using examples in Java and EJB to illustrate key points.

Companion Website provides hands-on tutorials, links to related tool sites, and updates to the CA methodology.

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Editorial Review

Review

"...well written..." (*Cvu—The Journal of the ACCU*, Vol.16, No.6, December 2004)

From the Back Cover

"A compelling vision for application architecture, combined with precise instructions for implementing that vision. It is certain to raise the bar for the application development community."

-David A. Taylor, Author of *Business Engineering with Object Technology*

When David Taylor introduced the concept of Convergent Engineering in 1995, there was no telling how far this innovative approach would go. With this book, Richard Hubert follows up on Taylor's vision by providing a comprehensive guide to modern architectural style and its implementation using Model Driven Architecture (MDA).

You'll discover the value IT architectural style brings to development projects and you'll learn how Convergent Architecture (CA) leverages MDA to resolve many of today's complex IT-related problems at the source.

This step-by-step guide walks you through the process of designing and implementing both corporate architectural styles and integrated software systems using the CA/MDA approach. The concepts, techniques, and tools in this book have been tried and tested in practice and are the result of hands-on experience in diverse environments. You'll discover how CA optimizes UML, the Rational Unified Process, and J2EE/EJB to achieve new levels of lasting architectural integrity.

In addition, this informative book shows:

- * How to build corporate architectures using the latest technologies, like EJB and XML, and design standards and tools, such as UML, Rational Rose, and ArcStyler
- * How the integrated architectural tool suite, known as an Architectural IDE, supports Model Driven Architecture standards
- * Each step of the model-driven development process from the initial business design to the generation, deployment, and test of complete J2EE/EJB infrastructures.

The companion Web site includes hands-on tutorials using J2EE/EJB links to related sites, and updates to the Convergent Architecture and its tool environment.

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Visit the companion Web site at www.ConvergentArchitecture.com

About the Author

RICHARD HUBERT is an accomplished software architect who has won numerous international awards for large-scale software systems and architectural tools. As founding director of Interactive Objects Software GmbH (iO), he leads a large team of professional architects who apply Convergent Architecture across diverse industry segments. In 2000, iO introduced its Architectural IDE for MDA, ArcStyler. The author is

also an active contributor to the OMG's MDA standardization effort.

Users Review

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Sadie McBride:

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