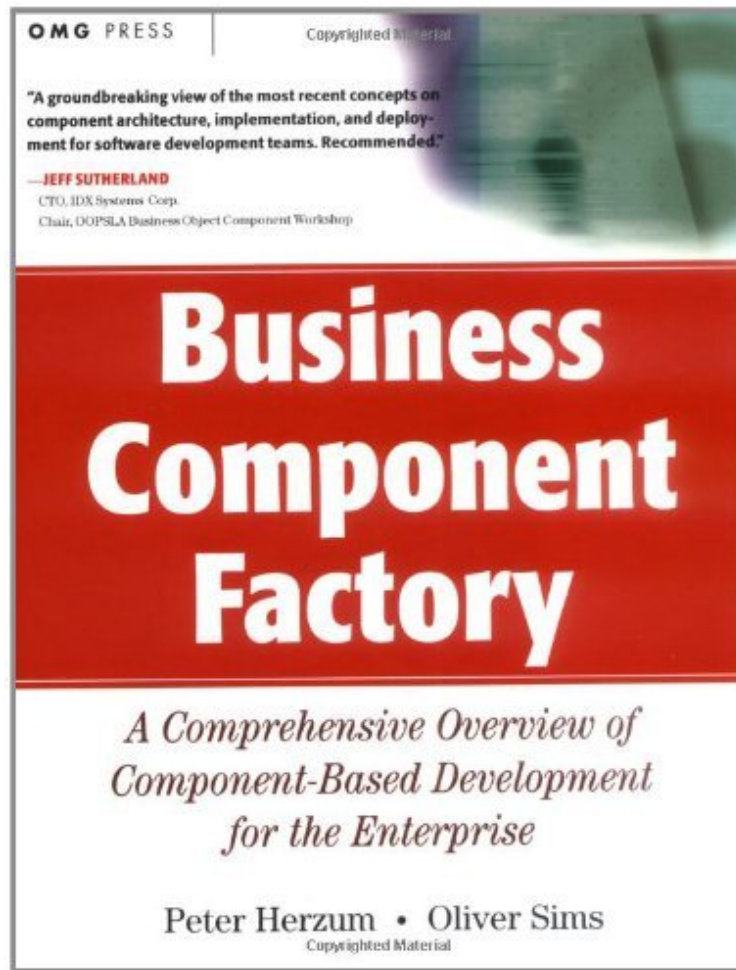


[Free download] Business Component Factory: A Comprehensive Overview of Component-Based Development for the Enterprise (OMG)

Business Component Factory: A Comprehensive Overview of Component-Based Development for the Enterprise (OMG)

Von Peter Herzum, Oliver Sims
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Produktinformation Veröffentlicht am: 2008-04-21 Erscheinungsdatum: 2008-04-21 File Name: B000UGN6AU | File size: 44.Mb

Von Peter Herzum, Oliver Sims : **Business Component Factory: A Comprehensive Overview of Component-Based Development for the Enterprise (OMG)** before purchasing it in order to gauge whether or not it would be worth my time, and all praised Business Component Factory: A Comprehensive Overview of Component-Based Development for the Enterprise (OMG):

Kundenrezensionen Hilfreichste Kundenrezensionen 3 von 3 Kunden fanden die folgende Rezension hilfreich. Dispelling Myths, Doing it Right Von James R. McElroy As an OO practitioner and methodologist for the last 10 years, I found the Herzum / Sims book to be right on the money in several regards. OO has a lot of theoretical ideas which just don't seem to pan out in practice. The Business Component Factory clearly explains why, and shows what really

works in the true industrial setting. It is rich in practical advice, and low in BS. Very refreshing for the software practitioner who is frustrated by the OO theoreticians who spout their wisdom from the ivory towers, but have rarely, if ever, had to work on real projects. Along these lines, the BCF book dispels the OO myth that all classes / objects must be as intelligent as possible, and admits that, in reality, it is often best to have "focus" classes. These classes contain the intelligence of a group of related classes (grouped in a component) and give the advantage of lower coupling for the other classes, and of providing a focus target for process and use case modeling. Hence, Herzum / Sims tie the use case models effectively to classes, then to components. The BCF book also points out that components need to be "first class citizens" in the UML metamodel, which map from analysis through design into code. As the UML currently stands, packages and (UML-style) components fail miserably in this area. Herzum / Sims show how to get around this deficiency and model and produce large-scale software units (components) effectively. There is much more to the book than described above, but the above two points emphasize that the BCF book is not afraid to take on conventional wisdom (even the sacred UML), to point out flaws in this "wisdom", and to discuss what really works. Highly recommended, especially for anyone working on large-scale system development.

2 von 2 Kunden fanden die folgende Rezension hilfreich. An excellent guide to successful adoption of Enterprise CBD

Von Mark S Potts This book is the first I have read that really tackles all aspects of what is required for Enterprise Application Development through a CBD approach. By defining the levels of component granularity and a recursively discrete approach to breaking a business problem down into components and their constituents as finer grained components, the true requirements for CBD are evident and determined. Many books I have read make the same mistake of only discussing development of components at one level (usually what Herzum defines as the distributed component level) and fail to address the many of the aspects of CBD that are not covered by development alone (deployment, testing, management, integration, and a roadmap for the development process and management of that process through to delivery of a component based system). The book also talks and applies the component levels to the commonly depicted 4 tier architecture and importantly introduces the concept of components needing to be not only strongly typed for internal systems but also strongly tagged (supporting XML based component messaging/invoke) for virtual and extended systems. The coverage of what is required from a Component Execution Environment (CEE) when components are more coarse grained than simple distributed components is well covered and continues to define the true requirements for a Business Component Execution Environment (BCVM). The book is a must read for anyone serious about adopting CBD on an enterprise scale. The book goes well beyond the common text available for CBD (that all concentrate on the short sighted development requirements for distributed components in a fine grained component containment model). I agree with another reviewer that for those of us that have been developing systems in EJB, COM+/DCOM and CORBA much of the book covers lessons we have painfully had to learn in developing multiple component based systems that have to inter-operate, but it goes beyond that in looking at what is necessary for component based systems at the next architectural level (one that may well incorporate disparate distributed component models).

1 von 1 Kunden fanden die folgende Rezension hilfreich. Somewhat useful

Von Frank Walton I am about 70% through the book. I did get a few useful points, but not much more. Many points are elaborations on Sims' earlier book "Building Business Objects"; most others are standard good practice in building distributed systems. The one thing that looked promising - the idea of "full-lifecycle interfaces" - turned out to be a half-baked idea. My quick summary of what I've read: Components as independent units of development, delivery, deployment, or replacement is not a new idea; so a component has to "include" at least both its interfaces and its implementation. There is nothing new about treating a large chunk of running code as a singleton-like object, itself comprised of other objects (whether running on a single tier or multiple); methods like Fusion did this in '93. Distributed systems on Corba-like infrastructure only scale for large-grained not-too-numerous objects, so no surprise here. Don't try to pass pointers to non-distributed objects in distributed calls ... Duh. Large grained chunks called "Distributed Components" (DCs) are usually in 1 tier of a 4-tier architecture; something that's been practiced in the Smalltalk world for years: we called them View, Application Model, Model, and Data, with code split accordingly. And the pseudo-IDL language the authors use mixes specifications and implementations very badly. I found the repeated claims of traceability, autonomy, and "fundamental" units of reuse unconvincing. The idea of "business component assembly" confuses interfaces and implementations; and the idea of traceability appears based on the idea that changes made in design and implementation are directly reflected back into the specification level (Fig 5.5), making traceability moot. I've reached Ch 8 and see that I am about to be reminded to separate infrastructure-dependent code from the primary function code (with some admittedly pretty lego-block pictures). From what I've seen so far, I can see some value in a design pattern that summarizes what this book says. But as a book it did not do much for me.

Kurzbeschreibung In this book, Peter Herzum and Oliver Sims present a complete component based strategy, the business component approach, that applies and extends component thinking to all aspects of the software life cycle for enterprise systems. The approach includes a conceptual framework that brings components into the world of scalable

systems, and outlines the different component granularities. It also includes a methodology that goes beyond current object-oriented practices to provide the concepts required to meet the real challenges of component-based development. Using their business component approach, the authors then provide a blueprint for a business component factory--a development capability that can produce software with the quality, speed, and flexibility needed to match changing business needs. Sprinkled with guidelines, tips, and architectural patterns, this book fully prepares you for the approaching component revolution. Praise for Business Component Factory ". . . this book should be very useful for anyone considering the daunting task of adopting component software on an enterprise scale."-Clemens Szyperski (Microsoft Research), Author of the award-winning book, Component Software: Beyond Object-Oriented Programming "Herzum and Sims do an admirable job of differentiating the different component concepts, allowing this clearly written book to focus on the construction of business systems by non-software practitioners, out of business component parts developed separately (and perhaps for a commodity component marketplace). This is the future of software systems, and this book is a practical, giant step in that direction."-Richard Mark Soley, PhD, Chairman and CEO, OMG "Finally, a book that takes you from component design all the way down to the middleware on which they are deployed. 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