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Core J2ee Patterns 2nd Edition

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Core J2ee Patterns 2nd Edition *OMB No. 8829016155342 edited by*

KAIYA TRISTEN

ENTERPRISE INTEGRATION PATTERNS

John Wiley & Sons

“All that have ever tried to impose change in their organization will immediately recognize and truly value the in-depth knowledge and experience captured in this book. It contains a collection of eye-openers that is a treasure chest for pioneers of new organizational ideas, A fantastic toolbox for use in future missions!” —Lise B. Hvatum, product development manager, Schlumberger “If you have need of changing your organization, and especially of introducing new techniques, then you want to understand what is in this book. It will help you avoid common pitfalls that doom many such projects and will show you a clear path to success. The techniques are derived from the experience of many individuals and organizations. Many are also fun to apply. This stuff is really cool—and really hot.” —Joseph Bergin, professor of computer science, Pace University, New York “If change is the only guarantee in life, why is it so hard to do? As this book points out, people are not so much resistant to change itself as they are to being changed. Mary Lynn and Linda have successfully used the pattern form to capture and present the recurring lessons of successful change efforts and have placed a powerful knowledge resource in the hands of their readers.” —Alan O’Callaghan, researcher, Software Technology Research Laboratory, De Montfort University, United Kingdom “The most difficult part of absorbing patterns, or any technology, into an organization is overcoming the people issues. The patterns in this book are the documentation of having gone through that experience, giving those that dare

push the envelope a head start at success.”—David E. DeLano, IBM Pervasive Computing “If you have ever wondered how you could possibly foster any cultural changes in your organization, in this book you will find a lot of concrete advice for doing so. I recommend that everyone read this book who has a vast interest in keeping his or her organization flexible and open for cultural change.” —Jutta Eckstein, Independent Consultant, Objects In Action Author of Agile Software Development in the Large 48 Patterns for Driving and Sustaining Change in Your Organization Change. It's brutally tough to initiate, even harder to sustain. It takes too long. People resist it. But without it, organizations lose their competitive edge. Fortunately, you can succeed at making change. In Fearless Change, Mary Lynn Manns and Linda Rising illuminate 48 proven techniques, or patterns, for implementing change in organizations or teams of all sizes, and show you exactly how to use them successfully. Find out how to Understand the forces in your organization that drive and retard change Plant the seeds of change Drive participation and buy-in, from start to finish Choose an "official skeptic" to sharpen your thinking Make your changes appear less threatening Find the right timing and the best teaching moments Sustain your momentum Overcome adversity and celebrate success Inspired by the "pattern languages" that are transforming fields from software to architecture, the authors illuminate patterns for every stage of the change process: knowledge, persuasion, decision, implementation, and confirmation. These flexible patterns draw on the experiences of hundreds of leaders. They offer powerful insight into

change-agent behavior, organizational culture, and the roles of every participant. Best of all, they're easy to use—and they work!

Help for Server Side Java Developers
Packt Publishing Ltd

The Spring Framework is a major open source application development framework that makes Java/J2EE(TM) development easier and more productive. This book shows you not only what Spring can do but why, explaining its functionality and motivation to help you use all parts of the framework to develop successful applications. You will be guided through all the Spring features and see how they form a coherent whole. In turn, this will help you understand the rationale for Spring's approach, when to use Spring, and how to follow best practices. All this is illustrated with a complete sample application. When you finish the book, you will be well equipped to use Spring effectively in everything from simple Web applications to complex enterprise applications. What you will learn from this book

- * The core Inversion of Control container and the concept of Dependency Injection
- * Spring's Aspect Oriented Programming (AOP) framework and why AOP is important in J2EE development
- * How to use Spring's programmatic and declarative transaction management services effectively
- * Ways to access data using Spring's JDBC functionality, iBATIS SQL Maps, Hibernate, and other O/R mapping frameworks
- * Spring services for accessing and implementing EJBs
- * Spring's remoting framework

Who this book is for This book is for Java/J2EE architects and developers who want to gain a deeper knowledge of the Spring Framework and use it effectively. Wrox Professional guides are planned and

written by working programmers to meet the real-world needs of programmers, developers, and IT professionals.

Focused and relevant, they address the issues technology professionals face every day. They provide examples, practical solutions, and expert education in new technologies, all designed to help programmers do a better job.

Programming Erlang McGraw Hill Professional

"With this book, Ted Neward helps you make the leap from being a good Java enterprise developer to a great developer!" --John Crupi, Sun Distinguished Engineer coauthor, Core J2EE Patterns If you want to build better Java enterprise applications and work more efficiently, look no further. Inside, you will find an accessible guide to the nuances of Java 2 Platform, Enterprise Edition (J2EE) development. Learn how to: Use in-process or local storage to avoid the network, see item 44 Set lower isolation levels for better transactional throughput, see item 35 Use Web services for open integration, see item 22 Consider your lookup carefully, see item 16 Pre-generate content to minimize processing, see item 55 Utilize role-based authorization, see item 63 Be robust in the face of failure, see item 7 Employ independent JREs for side-by-side versioning, see item 69 Ted Neward provides you with 75 easily digestible tips that will help you master J2EE development on a systemic and architectural level. His panoramic look at the good, the bad, and the ugly aspects of J2EE development will address your most pressing concerns. Learn how to design your enterprise systems so they adapt to future demands. Improve the efficiency of your code without compromising its correctness. Discover how to implement sophisticated

functionality that is not directly supported by the language or platform. After reading *Effective Enterprise Java*, you will know how to design and implement better, more scalable enterprise-scope Java software systems.

Java Design Patterns, Automation, and Performance Addison-Wesley Professional

Build robust, scalable, end-to-end business solutions with J2EE(TM) Web Services. This is the definitive practitioner's guide to building enterprise-class J2EE Web Services that integrate with any B2B application and interoperate with any legacy system. Sun senior architect Ray Lai introduces 25 vendor-independent architectural patterns and best practices for designing Web Services that deliver outstanding performance, scalability, and reliability. Lai takes you to the frontiers of emerging Web Services technologies, showing how to make the most of today's leading-edge tools, from Java Web Services Developer Pack to Apache Axis. Coverage includes: Web Services: making the business case, and overcoming the technical and business challenges Real-life examples and scenarios, and a start-to-finish application case study Expert guidance on reducing risk and avoiding implementation pitfalls Building complete business solutions with rich messaging and workflow collaboration Mainframe interoperability and B2B integration within and beyond the enterprise Framework and methodology to develop your Web Services patterns and best practices Up-to-the-minute coverage of Web Services security New applications: service consolidation, wireless, and more An extensive library of links to Web resources, reference material, and vendors Whether you're an

architect, designer, project leader, or developer, these are the best practices, patterns, and techniques you need to succeed with Web services in your enterprise environment. Enterprises seeking to leverage Web Services to revolutionize the ways they deliver services to customers, partners, and employees will find the answers they need in this book. "Ray Lai's J2EETM Platform Web Services is a comprehensive look at J2EE platform architecture and should be a must read for any serious Web Services developer."

--Larry Tabb, Senior Strategic Advisor, Tower Group "This is a book for true practitioners. It's for those interested in designing and implementing Web Services now-and preparing for new opportunities on the horizon." --Jonathan Schwartz, Executive Vice President, Sun Microsystems

[A Brief Guide to the Standard Object Modeling Language](#) John Wiley & Sons More than 300,000 developers have benefited from past editions of *UML Distilled*. This third edition is the best resource for quick, no-nonsense insights into understanding and using UML 2.0 and prior versions of the UML. Some readers will want to quickly get up to speed with the UML 2.0 and learn the essentials of the UML. Others will use this book as a handy, quick reference to the most common parts of the UML. The author delivers on both of these promises in a short, concise, and focused presentation. This book describes all the major UML diagram types, what they're used for, and the basic notation involved in creating and deciphering them. These diagrams include class, sequence, object, package, deployment, use case, state machine, activity, communication, composite structure, component, interaction overview, and timing

diagrams. The examples are clear and the explanations cut to the fundamental design logic. Includes a quick reference to the most useful parts of the UML notation and a useful summary of diagram types that were added to the UML 2.0. If you are like most developers, you don't have time to keep up with all the new innovations in software engineering. This new edition of Fowler's classic work gets you acquainted with some of the best thinking about efficient object-oriented software design using the UML--in a convenient format that will be essential to anyone who designs software professionally.

JAVA SERVLET PROGRAMMING

"O'Reilly Media, Inc."

A catalog of solutions to commonly occurring design problems, presenting 23 patterns that allow designers to create flexible and reusable designs for object-oriented software. Describes the circumstances in which each pattern is applicable, and discusses the consequences and trade-offs of using the pattern within a larger design. Patterns are compiled from real systems, and include code for implementation in object-oriented programming languages like C++ and Smalltalk. Includes a bibliography. Annotation copyright by Book News, Inc., Portland, OR

Expert One-on-One J2EE Development without EJB Pearson Education

- & • Everything Java developers need to start building J2EE applications using WebSphere Tools for the WebSphere Application Server
- & • Hands-on techniques and case studies: servlets, JSP, EJB, IBM VisualAge for Java, and more
- & • Written by IBM insiders for IBM Press

Ejb Design Patterns "O'Reilly Media, Inc." Enterprise Integration Patterns provides

an invaluable catalog of sixty-five patterns, with real-world solutions that demonstrate the formidable of messaging and help you to design effective messaging solutions for your enterprise. The authors also include examples covering a variety of different integration technologies, such as JMS, MSMQ, TIBCO ActiveEnterprise, Microsoft BizTalk, SOAP, and XSL. A case study describing a bond trading system illustrates the patterns in practice, and the book offers a look at emerging standards, as well as insights into what the future of enterprise integration might hold. This book provides a consistent vocabulary and visual notation framework to describe large-scale integration solutions across many technologies. It also explores in detail the advantages and limitations of asynchronous messaging architectures. The authors present practical advice on designing code that connects an application to a messaging system, and provide extensive information to help you determine when to send a message, how to route it to the proper destination, and how to monitor the health of a messaging system. If you want to know how to manage, monitor, and maintain a messaging system once it is in use, get this book.

Core J2EE patterns Pearson Deutschland GmbH

The practice of enterprise application development has benefited from the emergence of many new enabling technologies. Multi-tiered object-oriented platforms, such as Java and .NET, have become commonplace. These new tools and technologies are capable of building powerful applications, but they are not easily implemented. Common failures in enterprise applications often occur because their developers do not

understand the architectural lessons that experienced object developers have learned. *Patterns of Enterprise Application Architecture* is written in direct response to the stiff challenges that face enterprise application developers. The author, noted object-oriented designer Martin Fowler, noticed that despite changes in technology—from Smalltalk to CORBA to Java to .NET—the same basic design ideas can be adapted and applied to solve common problems. With the help of an expert group of contributors, Martin distills over forty recurring solutions into patterns. The result is an indispensable handbook of solutions that are applicable to any enterprise application platform. This book is actually two books in one. The first section is a short tutorial on developing enterprise applications, which you can read from start to finish to understand the scope of the book's lessons. The next section, the bulk of the book, is a detailed reference to the patterns themselves. Each pattern provides usage and implementation information, as well as detailed code examples in Java or C#. The entire book is also richly illustrated with UML diagrams to further explain the concepts. Armed with this book, you will have the knowledge necessary to make important architectural decisions about building an enterprise application and the proven patterns for use when building them. The topics covered include

- Dividing an enterprise application into layers
- The major approaches to organizing business logic
- An in-depth treatment of mapping between objects and relational databases
- Using Model-View-Controller to organize a Web presentation
- Handling concurrency for data that spans multiple transactions
- Designing

distributed object interfaces
[The J2EE Tutorial](#) Addison-Wesley Professional
 Definitive, Comprehensive SCEA Exam Prep—Straight from Sun's Exam Developers! This book delivers complete, focused review for Sun's new Sun Certified Enterprise Architect (SCEA) for Java EE certification exam—straight from two of the exam's creators! SCEA lead developer/assessor Mark Cade and SCEA lead developer/assessor Humphrey Sheil offer powerful insights, real-world architectural case studies, and challenging sample questions that systematically prepare you for the actual exam. For every question, the authors show why the right answers are right—and why the other answers are wrong. Cade and Sheil cover every SCEA exam topic, skill, and technique, including:

- Understanding system architecture and its goals
- Decomposing larger systems into components organized by tiers or layers
- Addressing requirements for scalability, maintainability, reliability, availability, extensibility, performance, and security
- Building effective web (presentation) tiers, and analyzing tradeoffs associated with using web frameworks
- Leveraging EJB 3's enhancements for business tier development
- Covering new enhancements in the JEE 5 platform
- Choosing and architecting the best integration and messaging components for your system
- Using the Java security model to enforce confidentiality, integrity, authorization, authentication, and non-repudiation
- Using the most powerful and useful Java EE architecture patterns
- Documenting Java EE architectures through visual models and narratives

The authors also present detailed guidance for handling every element of the SCEA exam—including

your development and defense of a complete real-world architectural solution.

Fowler Addison-Wesley Professional Looking to study up for the new J2EE 1.5 Sun Certified Web Component Developer (SCWCD) exam? This book will get you way up to speed on the technology you'll know it so well, in fact, that you can pass the brand new J2EE 1.5 exam. If that's what you want to do, that is. Maybe you don't care about the exam, but need to use servlets and JSPs in your next project. You're working on a deadline. You're over the legal limit for caffeine. You can't waste your time with a book that makes sense only AFTER you're an expert (or worse, one that puts you to sleep). Learn how to write servlets and JSPs, what makes a web container tick (and what ticks it off), how to use JSP's Expression Language (EL for short), and how to write deployment descriptors for your web applications. Master the `<out` tag, and get a handle on exactly what's changed since the older J2EE 1.4 exam. You don't just pass the new J2EE 1.5 SCWCD exam, you'll understand this stuff and put it to work immediately. Head First Servlets and JSP doesn't just give you a bunch of facts to memorize; it drives knowledge straight into your brain. You'll interact with servlets and JSPs in ways that help you learn quickly and deeply. And when you're through with the book, you can take a brand-new mock exam, created specifically to simulate the real test-taking experience.

UML DISTILLED

Gulf Professional Publishing Describes the features and capabilities of servlets and JavaServer Pages in building enterprise-class applications.

BEGINNING CRYPTOGRAPHY WITH JAVA

Addison-Wesley Professional Solve your Selenium WebDriver problems with this quick guide to automated testing of web applications with Selenium WebDriver in C#. Selenium WebDriver Recipes in C#, Second Edition contains hundreds of solutions to real-world problems, with clear explanations and ready-to-run Selenium test scripts that you can use in your own projects. You'll learn: How to locate web elements and test functions for hyperlinks, buttons, TextFields and TextAreas, radio buttons, CheckBoxes, and more How to use Selenium WebDriver for select lists, navigation, assertions, frames, file upload and pop-up dialogs How to debug test scripts and test data How to manage and deal with browser profiles and capabilities How to manage tests for advanced user interactions and experiences (UX) How to work with and manage tests and testing using Selenium Remote Control and Selenium Server Audience This book is for experienced .NET and C# Windows application programmers/developers.

J2EE DESIGN PATTERNS

"O'Reilly Media, Inc." Learn how to apply robust application design to your J2EE projects There are a number of best practices you need to consider to build highly effective J2EE components and integrate them into applications. These practices include evaluating and selecting the right set of software components and services to handle the job. In this book, Darren Broemmer supplies you with a set of best practices for J2EE development and then teaches you how to use them to construct an application architecture

referred to as the reference architecture. The design and implementation of the reference architecture is based on a set of guiding principles that are used to optimize and automate J2EE development. In addition to the author's thorough discussions of the latest technologies for J2EE implementation—including EJB 2, Jakarta Struts, Servlets, Java Server Pages, UML, design patterns, Common Business Logic Foundation components, and XML-Broemmer addresses such topics as: Understanding J2EE application architecture Building business applications with J2EE, a business object architecture, and extensible components created with design patterns Designing and implementing a sample banking Web application Integrating proven performance-engineering and optimization practices in the development process Using metadata-driven, configurable foundation components to automate much of the development and processing of Web-based business applications The companion Web site contains the source code for a Common Business Logic Foundation and sample applications from the book, including a Jakarta Struts project and a banking application. Links to the Jakarta Struts frameworks and J2EE application servers such as BEA WebLogic and IBM WebSphere are also provided.

Beyond Java Springer Science & Business Media

Provides developers with a complete roadmap for building large-scale J2EE applications. You will get a cohesive approach for producing optimal solutions through rigorous life-cycle management techniques from inception through deployment. Includes sample Web site—hosted by the authors—that

features real-world demonstrations of all the book's concepts.

Selenium WebDriver Recipes in C#
Prentice Hall Professional

A multi-user game, web site, cloud application, or networked database can have thousands of users all interacting at the same time. You need a powerful, industrial-strength tool to handle the really hard problems inherent in parallel, concurrent environments. You need Erlang. In this second edition of the bestselling *Programming Erlang*, you'll learn how to write parallel programs that scale effortlessly on multicore systems. Using Erlang, you'll be surprised at how easy it becomes to deal with parallel problems, and how much faster and more efficiently your programs run. That's because Erlang uses sets of parallel processes—not a single sequential process, as found in most programming languages. Joe Armstrong, creator of Erlang, introduces this powerful language in small steps, giving you a complete overview of Erlang and how to use it in common scenarios. You'll start with sequential programming, move to parallel programming and handling errors in parallel programs, and learn to work confidently with distributed programming and the standard Erlang/Open Telecom Platform (OTP) frameworks. You need no previous knowledge of functional or parallel programming. The chapters are packed with hands-on, real-world tutorial examples and insider tips and advice, and finish with exercises for both beginning and advanced users. The second edition has been extensively rewritten. New to this edition are seven chapters covering the latest Erlang features: maps, the type system and the Dialyzer, WebSockets, programming idioms, and a new stand-alone execution

environment. You'll write programs that dynamically detect and correct errors, and that can be upgraded without stopping the system. There's also coverage of rebar (the de facto Erlang build system), and information on how to share and use Erlang projects on github, illustrated with examples from cowboy and bitcask. Erlang will change your view of the world, and of how you program. What You Need The Erlang/OTP system. Download it from erlang.org.

FEARLESS CHANGE

John Wiley & Sons

Helps readers eliminate performance problems, covering topics including bottlenecks, profiling tools, strings, algorithms, distributed systems, and servlets.

APPLYING UML & PATTERNS 3RD

EDITION Apress

Bruce Tate, author of the Jolt Award-winning *Better, Faster, Lighter Java* has an intriguing notion about the future of Java, and it's causing some agitation among Java developers. Bruce believes Java is abandoning its base, and conditions are ripe for an alternative to emerge. In *Beyond Java*, Bruce chronicles the rise of the most successful language of all time, and then lays out, in painstaking detail, the compromises the founders had to make to establish success. Then, he describes the characteristics of likely successors to Java. He builds to a rapid and heady climax, presenting alternative languages and frameworks with productivity and innovation unmatched in Java. He closes with an evaluation of the most popular and important programming languages, and their future role in a world beyond Java. If you are agree with the book's premise--that Java's reign is coming to an end--then this book will help you start

to build your skills accordingly. You can download some of the frameworks discussed and learn a few new languages. This book will teach you what a new language needs to succeed, so when things do change, you'll be more prepared. And even if you think Java is here to stay, you can use the best techniques from frameworks introduced in this book to improve what you're doing in Java today.

J2EE ANTI PATTERNS

"O'Reilly Media, Inc."

A tutorial and reference to Java-based APIs for application software development covers RMI, IDL, JAXP, JNDI, Java Servlets, and J2EE 1.3.

PRACTICAL J2EE APPLICATION ARCHITECTURE

Addison-Wesley

Patterns, Domain-Driven Design (DDD), and Test-Driven Development (TDD) enable architects and developers to create systems that are powerful, robust, and maintainable. Now, there's a comprehensive, practical guide to leveraging all these techniques primarily in Microsoft .NET environments, but the discussions are just as useful for Java developers. Drawing on seminal work by Martin Fowler (*Patterns of Enterprise Application Architecture*) and Eric Evans (*Domain-Driven Design*), Jimmy Nilsson shows how to create real-world architectures for any .NET application. Nilsson illuminates each principle with clear, well-annotated code examples based on C# 1.1 and 2.0. His examples and discussions will be valuable both to C# developers and those working with other .NET languages and any databases--even with other platforms, such as J2EE. Coverage includes · Quick primers on patterns, TDD, and

refactoring · Using architectural techniques to improve software quality · Using domain models to support business rules and validation · Applying enterprise patterns to provide

persistence support via NHibernate · Planning effectively for the presentation layer and UI testing · Designing for Dependency Injection, Aspect Orientation, and other new paradigms

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