

Expert One-on-One J2EE Development without EJB

What is this book about? Expert One-on-One J2EE Development without EJB shows Java developers and architects how to build robust J2EE applications without having to use Enterprise JavaBeans (EJB). This practical, code-intensive guide provides best practices for using simpler and more effective methods and tools, including JavaServer pages, servlets, and lightweight frameworks. What does this book cover? The book begins by examining the limits of EJB technology -- what it does well and not so well. Then the authors guide you through alternatives to EJB that you can use to create higher quality applications faster and at lower cost -- both agile methods as well as new classes of tools that have evolved over the past few years. They then dive into the details, showing solutions based on the lightweight framework they pioneered on SourceForge -- one of the most innovative open source communities. They demonstrate how to leverage practical techniques and tools, including the popular open source Spring Framework and Hibernate. This book also guides you through productive solutions to core problems, such as transaction management, persistence, remoting, and Web tier design. You will examine how these alternatives affect testing, performance, and scalability, and discover how lightweight architectures can slash time and effort on many projects. What will you learn from this book? Here are some details on what you'll find in this book: * How to find the simplest and most maintainable architecture for your application * Effective transaction management without EJB * How to solve common problems in enterprise software development using AOP and Inversion of Control * Web tier design and the place of the Web tier in a well-designed J2EE application * Effective data access techniques for J2EE applications with JDBC, Hibernate, and JDO * How to leverage open source products to improve productivity and reduce custom coding * How to design for optimal performance and scalability

Are your J2EE projects taking too long to develop? Are they hard to debug? Do they result in disappointing performance? You may still be using traditional approaches to J2EE that are overly complex and not truly object-oriented. Many of these problems relate to EJB: a complex technology that has not lived up to its hype. In this hands-on guide, I'll show you alternatives to EJB that can be used to create higher quality applications faster and at lower cost. I'll demonstrate how to leverage practical techniques and tools, including the popular open source Spring Framework and Hibernate. I'll guide you through productive solutions to core problems such as transaction management, persistence, remoting, and web tier design. We will examine how these alternatives affect testing, performance, and scalability, and discover how lightweight architectures can slash time and effort on many projects. I've been working with servlets, EJB, JSP(TM), and other J2EE technologies since their release. (As co-lead of Spring, Juergen also brings a wealth of expertise.) I'm excited to share my experience with you, one-on-one. What you will learn from this book * How to find the simplest and most maintainable architecture for your application * Effective transaction management without EJB * How to solve common problems in enterprise software development using AOP and Inversion of Control * Web tier design and the place of the web tier in a well-designed J2EE application * Effective data access techniques for J2EE applications with JDBC(TM), Hibernate, and JDO * How to leverage open source products to improve productivity and reduce custom coding * How to design for optimal performance and scalability Wrox Expert One-On-One books present the wisdom accumulated by an experienced author who is recognized as an expert by the programming community. These experts challenge professional developers to examine their current practices in pursuit of better results.



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