

The Java Ee Architects Handbook Second Edition How To Be A Successful Application Architect For Applications Kindle Derek Ashmore

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Expert One-on-One J2EE Development without EJB Apress

This book is written for technical architects and senior developers tasked with designing and leading the development of J2EE Java applications. This book will guide the architect through the entire process from analysis through application deployment, providing numerous tips, tricks, and best practices along the way.

The J2EE Architect's Handbook "O'Reilly Media, Inc."

Includes more than 30 percent revised material and five new chapters, covering the new 2.1 features such as EJB Timer Service and JMS as well as the latest open source Java solutions. The book was developed as part of TheServerSide.com online EJB community, ensuring a built-in audience. Demonstrates how to build an EJB system, program with EJB, adopt best practices, and harness advanced EJB concepts and techniques, including transactions, persistence, clustering, integration, and performance optimization. Offers practical guidance on when not to use EJB and how to use simpler, less costly open source technologies in place of or in conjunction with EJB.

Java EE 7 Essentials McGraw Hill Professional
An easy-to-follow guide to reveal the new features of Java EE 7 and how to efficiently utilize them. Given the main objectives pursued, this book targets three groups of people with a knowledge of the Java language. They are: Beginners in the Java EE platform who would like to have an idea about the main specifications of Java EE 7. Developers who have experimented with previous versions of Java EE and who would like to explore the new features of Java EE 7. Building architects who want to learn how to put together the various Java EE 7 specifications for building robust and secure enterprise applications.

OCM Java EE 6 Enterprise Architect Exam Guide John Wiley & Sons

Get up to speed on the principal technologies in the Java Platform, Enterprise Edition 7, and learn how the latest version embraces HTML5, focuses on higher productivity, and provides functionality to meet enterprise demands. Written by Arun Gupta, a key member of the Java EE team, this book provides a chapter-by-chapter survey of several Java EE 7 specifications, including WebSockets, Batch Processing, RESTful Web Services, and Java Message Service. You'll also get self-paced instructions for building an end-to-end application with many of the technologies described in the book, which will help you understand the design patterns vital to Java EE development. Understand the key components of the Java EE platform, with easy-to-understand explanations and extensive code samples. Examine all the new components that have been added to Java EE 7 platform, such as WebSockets, JSON, Batch, and Concurrency. Learn about RESTful Web Services, SOAP XML-based messaging protocol, and Java Message Service. Explore Enterprise JavaBeans, Contexts and Dependency Injection, and the Java Persistence API. Discover how different components were updated from Java EE 6 to Java EE 7. Software Architect's Handbook Apress
Develop Enterprise Java applications compliant with the latest version of the Java EE specification. About This Book This book covers all of the major Java EE 8 APIs and includes new additions such as enhanced Security, JSON-B Processing, and more. Learn additional Java EE APIs, such as the Java API for WebSocket and the Java Message Service (JMS). Develop applications by taking advantage of the latest versions of CDI, Security, Servlets, and JSF and other Java EE specifications. Who This Book Is For If you are a Java developer who wants to become proficient with Java EE 8, this book is ideal for you. You are expected to have some experience with Java and to have developed and deployed applications in the past, but you don't need any previous knowledge of Java EE. What You Will Learn Develop and deploy Java EE applications. Embrace the latest additions to the Contexts and Dependency Injection (CDI) specification to develop Java EE applications. Develop web-based applications by utilizing the latest version of JavaServer Faces, JSF 2.3. Understand the steps needed to process JSON data with JSON-P and the new JSON-B Java EE API. Implement RESTful web services using the new JAX-RS 2.1 API, which also includes support for Server-Sent Events (SSE) and the

new reactive client API. In Detail Java EE is an Enterprise Java standard. Applications written to comply with the Java EE specification do not tie developers to a specific vendor; instead, they can be deployed to any Java EE compliant application server. With this book, you'll get all the tools and techniques you need to build robust and scalable applications in Java EE 8. This book covers all the major Java EE 8 APIs, including JSF 2.3, Enterprise JavaBeans (EJB) 3.2, Contexts and Dependency Injection (CDI) 2.0, the Java API for WebSockets, JAX-RS 2.1, Servlet 4.0, and more. The book begins by introducing you to Java EE 8 application development and goes on to cover all the major Java EE 8 APIs. It goes beyond the basics to develop Java EE applications that can be deployed to any Java EE 8 compliant application server. It also introduces advanced topics such as JSON-P and JSON-B, the Java APIs for JSON processing, and the Java API for JSON binding. These topics dive deep, explaining how the two APIs (the Model API and the Streaming API) are used to process JSON data. Moving on, we cover additional Java EE APIs, such as the Java API for WebSocket and the Java Message Service (JMS), which allows loosely coupled, asynchronous communication. Further on, you'll discover ways to secure Java EE applications by taking advantage of the new Java EE Security API. Finally, you'll learn more about the RESTful web service development using the latest JAX-RS 2.1 specification. You'll also get to know techniques to develop cloud-ready microservices in Java EE. Style and approach The book takes a pragmatic approach, showing you various techniques to utilize new features of Java EE 8 specification. It is packed with clear, step-by-step instructions, practical examples, and straightforward explanations.

The Java EE Architect's Handbook Prentice Hall Professional
The surprisingly successful book *Real World Java EE Patterns: Rethinking Best Practices* [press.adam-bien.com] discusses the rethinking of legacy J2EE patterns. Now, *Real World Java EE Night Hacks* walks you through the Java EE 6 best practices and patterns used to create a real world application called "x-ray." X-ray is a high-performance blog statistics application built with nothing but vanilla Java EE 6, leveraging the synergies between the JAX-RS, EJB 3.1, JPA 2, and CDI 1.0 APIs. Foreword by James Gosling, Father of Java.

Java EE 7: The Big Picture Packt Publishing Ltd
Learn how to build high-performing enterprise applications using Java EE powered by Angular at the frontend. Key Features Leverage Java EE 8 features to build robust backend for your enterprise applications. Use Angular to build a single page frontend and combine it with the Java EE backend. A practical guide filled with ample real-world examples. Book Description The demand for modern and high performing web enterprise applications is growing rapidly. No more is a basic HTML frontend enough to meet customer demands. This book will be your one-stop guide to build outstanding enterprise web applications with Java EE and Angular. It will teach you how to harness the power of Java EE to build sturdy backends while applying Angular on the frontend. Your journey to building modern web enterprise applications starts here! The book starts with a brief introduction to the fundamentals of Java EE and all the new APIs offered in the latest release. Armed with the knowledge of Java EE 8, you will go over what it's like to build an end-to-end application, configure database connection for JPA, and build scalable microservices using RESTful APIs running in Docker containers. Taking advantage of the Payara Micro capabilities, you will build an Issue Management System, which will have various features exposed as services using the Java EE backend. With a detailed coverage of Angular fundamentals, the book will expand the Issue Management System by building a modern single page application frontend. Moving forward, you will learn to fit both the pieces together, that is, the frontend Angular application with the backend Java EE microservices. As each unit in a microservice promotes high cohesion, you will learn different ways in which independent units can be tested efficiently. Finishing off with concepts on securing your enterprise applications, this book is a hands-on guide for building modern web applications. What you will learn Write CDI-based code in Java EE 8 applications. Build an understanding of microservices and what they mean in a Java EE context. Employ Docker to build and run microservice applications. Use configuration options to work effectively with JSON documents. Handle asynchronous task and write REST API clients. Set the foundation for working on Angular projects with the fundamentals of TypeScript. Learn to use Angular CLI to add and manage new features. Secure Angular applications using malicious attacks adopting JSON Web tokens. Who this book is for This book is for Java EE developers who would like to build modern enterprise web applications using Angular. No knowledge of Angular is required. Sun Certified Enterprise Architect for Java EE Study Guide (Exam 310-051) Addison-Wesley Professional
Learn to use the Java Persistence API (JPA) and other related APIs as found in the Java EE 8 platform from the perspective of one of the specification creators. A one-of-a-kind resource, this in-depth book provides both theoretical and practical coverage of JPA usage for experienced Java developers. Authors Mike Keith, Merrick Schincariol, and Massimo Nardone take a hands-on approach, based on their wealth of experience and expertise,

by giving examples to illustrate each concept of the API and showing how it is used in practice. The examples use a common model from an overarching sample application, giving you a context from which to start and helping you to understand the examples within an already familiar domain. After completing Pro JPA 2 in Java EE 8, you will have a full understanding of JPA and be able to successfully code applications using its annotations and APIs. The book also serves as an excellent reference guide. What You Will Learn Use the JPA in the context of enterprise applications. Work with object relational mappings (ORMs), collection mappings, and more. Build complex enterprise Java applications that persist data long after the process terminates. Connect to and persist data with a variety of databases, file formats, and more. Use queries, including the Java Persistence Query Language (JPQL). Carry out advanced ORM, queries, and XML mappings. Package, deploy, and test your Java persistence-enabled enterprise applications. Who This Book Is For Experienced Java programmers and developers with at least some prior experience with J2EE or Java EE platform APIs.

Modernizing Enterprise Java Createspace Independent Publishing Platform

"A comprehensive guide having 300 questions on all objectives of the multiple choice exam, along with a chapter on assignment and essay exam -- Cover.

Sun Certified Enterprise Architect for Java EE Study Guide Dvt Press
The first authoritative study guide for Sun's challenging new J2EE architecture certification exams, written by the exam's lead developers and assessors. This guide offers start-to-finish guidance and comprehensive background for architecting J2EE enterprise solutions.

Pro JPA 2 in Java EE 8 Packt Publishing Ltd
What is this book about? Expert One-on-One J2EE Development without EJB shows Javadevelopers 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 a 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.

Java Web Services Architecture Apress
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.

Oracle Certified Master, Java EE Enterprise Architect Practice Guide Packt Publishing Ltd

A comprehensive guide to exploring software architecture concepts and implementing best practices

Key Features

- Enhance your skills to grow your career as a software architect
- Design efficient software architectures using patterns and best practices
- Learn how software architecture relates to an organization as well as software development methodology

Book Description

The Software Architect ’ s Handbook is a comprehensive guide to help developers, architects, and senior programmers advance their career in the software architecture domain. This book takes you through all the important concepts, right from design principles to different considerations at various stages of your career in software architecture. The book begins by covering the fundamentals, benefits, and purpose of software architecture. You will discover how software architecture relates to an organization, followed by identifying its significant quality attributes. Once you have covered the basics, you will explore design patterns, best practices, and paradigms for efficient software development. The book discusses which factors you need to consider for performance and security enhancements. You will learn to write documentation for your architectures and make appropriate decisions when considering DevOps. In addition to this, you will explore how to design legacy applications before understanding how to create software architectures that evolve as the market, business requirements, frameworks, tools, and best practices change over time. By the end of this book, you will not only have studied software architecture concepts but also built the soft skills necessary to grow in this field. What you will learn

Design software architectures using patterns and best practices

Explore the different considerations for designing software architecture

Discover what it takes to continuously improve as a software architect

Create loosely coupled systems that can support change

Understand DevOps and how it affects software architecture

Integrate, refactor, and re-architect legacy applications

Who this book is for

The Software Architect ’ s Handbook is for you if you are a software architect, chief technical officer (CTO), or senior developer looking to gain a firm grasp of software architecture.

Java Enterprise in a Nutshell Packt Publishing

The Practitioner's Guide to Implementing SOA with Java EE Technologies

This book brings together all the practical insight you need to successfully architect enterprise solutions and implement them using SOA and Java EE technologies. Writing for senior IT developers, strategists, and enterprise architects, the authors cover everything from concepts to implementation, requirements to tools. The authors first review the Java EE platform's essential elements in the context of SOA and web services deployment, and demonstrate how Java EE has evolved into the world's best open source solution for enterprise SOA. After discussing standards such as SOAP, WSDL, and UDDI, they walk through implementing each key aspect of SOA with Java EE. Step by step, you'll learn how to integrate service-oriented web and business components of Java EE technologies with the help of process-oriented standards such as BPEL/CDL into a coherent, tiered enterprise architecture that can deliver a full spectrum of business services. Implementing SOA Using Java(tm) EE concludes with a section-length case study that walks through analyzing a company's requirements, creating an effective SOA architecture, and building a concise proof-of-concept prototype with NetBeans IDE. Coverage includes

- * Using Java EE technologies to simplify SOA implementation
- * Mastering messaging, service descriptions, registries, orchestration, choreography, and other essential SOA concepts
- * Building an advanced web services infrastructure for implementing SOA
- * Using Java Persistence API to provide for persistence
- * Getting started with Java Business Integration (JBI), the new open specification for delivering SOA
- * Implementing SOA at the web and business tiers
- * Developing, configuring, and deploying SOA systems with NetBeans IDE
- * Constructing SOA systems with NetBeans SOA Pack

Java EE 8 and Angular Apress

CD-ROM contains: Samples of all AIA contract documents.

Building RESTful Web Services with Java EE 8 Elsevier

Java Enterprise Edition (Java EE) continues to be one of the leading Java technologies and platforms. Beginning Java EE 7 is the first tutorial book on Java EE 7. Step by step and easy to follow, this book describes many of the Java EE 7 specifications and reference implementations, and shows them in action using practical examples. This definitive book also uses the newest version of GlassFish to deploy and administer the code examples. Written by an expert member of the Java EE specification request and review board in the Java Community Process (JCP), this book contains the best information possible, from an expert ’ s perspective on enterprise Java technologies. What you ’ ll learn

Get started with the latest version of the Java EE Platform.

Explore and use the EJB and JPA APIs from entities to session beans to message driven beans, and more.

Discover web tier development APIs including JSF, Facelets and Expression Language.

Uncover SOAP web services, RESTful web services, and more available in this latest Java EE.

Create dynamic user interfaces for your enterprise and transactional Java applications.

Who this book is for

This book is for Java or Spring programmers with some experience and those new to Java EE platform. Architects will also find information about how to layer their Java EE

applications.

Table of Contents

Java EE 7 Environment Context and Dependency Injection

Bean Validation

Java Persistence API

Object-Relational Mapping

Managing Persistent Object

Enterprise Java Beans

Callbacks, Timer Service, and Authorization

Interceptors and Transactions

JavaServer Faces Processing and Navigation

XML and JSON Messaging

SOAP Web Services

RESTful Web Service

Color Drawing McGraw-Hill/Osborne Media

The Best Fully Integrated Study System Available

With hundreds of practice questions and hands-on exercises, Sun Certified Enterprise Architect for Java EE Study Guide covers what you need to know--and shows you how to prepare--for this challenging exam. 100% complete coverage of all official objectives for exam 310-051

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Simulated exam questions match the format, tone, topics, and difficulty of the real exam

Covers all the exam topics, including:

- Basic Principles of Enterprise Architectures
- * Object-Oriented Design Using UML
- * Applicability of JEE Technology
- * Design Patterns
- * Legacy Connectivity
- * EJB and Container Models
- * Messaging
- * Internationalization and Localization
- * Security

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- Electronic book for studying on the go
- With free online registration: Bonus downloadable MasterExam practice test

Beginning Java EE 6 with GlassFish 3 Pearson Education

Get the deep insights you need to master efficient architectural design considerations and solve common design problems in your enterprise applications. Key Features

- The benefits and applicability of using different design patterns in JAVA EE
- Learn best practices to solve common design and architectural challenges
- Choose the right patterns to improve the efficiency of your programs

Book Description

Patterns are essential design tools for Java developers. Java EE Design Patterns and Best Practices helps developers attain better code quality and progress to higher levels of architectural creativity by examining the purpose of each available pattern and demonstrating its implementation with various code examples. This book will take you through a number of patterns and their Java EE-specific implementations. In the beginning, you will learn the foundation for, and importance of, design patterns in Java EE, and then will move on to implement various patterns on the presentation tier, business tier, and integration tier. Further, you will explore the patterns involved in Aspect-Oriented Programming (AOP) and take a closer look at reactive patterns. Moving on, you will be introduced to modern architectural patterns involved in composing microservices and cloud-native applications. You will get acquainted with security patterns and operational patterns involved in scaling and monitoring, along with some patterns involved in deployment. By the end of the book, you will be able to efficiently address common problems faced when developing applications and will be comfortable working on scalable and maintainable projects of any size. What you will learn

- Implement presentation layers, such as the front controller pattern
- Understand the business tier and implement the business delegate pattern
- Master the implementation of AOP
- Get involved with asynchronous EJB methods and REST services
- Involve key patterns in the adoption of microservices architecture
- Manage performance and scalability for enterprise-level applications

Who this book is for

Java developers who are comfortable with programming in Java and now want to learn how to implement design patterns to create robust, reusable and easily maintainable apps.

OCM Java EE 6 Enterprise Architect Exam Guide (Exams 1Z0-807, 1Z0-865 & 1Z0-866) Packt Publishing Ltd

Java Enterprise Edition (Java EE) continues to be one of the leading Java technologies and platforms from Oracle (previously Sun). Beginning Java EE 6 Platform with GlassFish 3, Second Edition is this first tutorial book on the final version of the Java EE 6 Platform. Step by step and easy to follow, this book describes many of the Java EE 6 specifications and reference implementations, and shows them in action using practical examples. This book uses the new version of GlassFish 3 to deploy and administer the code examples. Written by an expert member of the Java EE 6 specification request and review board in the Java Community Process (JCP), this book contains the best information possible, from an expert ’ s perspective on enterprise Java technologies.

Jakarta EE Cookbook John Wiley & Sons

The Definitive Guide to Java Platform, Enterprise Edition 7

Java EE 7: The Big Picture uniquely explores the entire Java EE 7 platform in an all-encompassing style while examining each tier of the platform in enough detail so that you can select the right technologies for specific project needs. In this authoritative guide, Java expert Danny Coward walks you through the code, applications, and frameworks that power the platform. Take full advantage of the robust capabilities of Java EE 7, increase your productivity, and meet enterprise demands with help from this Oracle Press resource. Explore the features of the Java servlet model and Java servlet API

Create dynamic web content with JavaServer Pages and JavaServer Faces

Build websites for nonbrowser clients with JAX-RS

Push data to web clients using Java WebSockets

Secure web applications

Work with web component APIs

Maximize enterprise beans for multithreading, asynchronous processes, transactions, and more

Access relational databases with the Java Database Connectivity APIs and the Java Persistence API

Understand the packaging and deployment mechanisms of Java EE applications

Work with Java EE Contexts and Dependency Injection

Secure enterprise beans in a Java EE application

Enable parallel processing with Java EE concurrency APIs