

Java Ee 6 Enterprise Architect Exam Guide

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

Find out how to craft effective, business-oriented Java EE 8 applications that target customer's demands in the age of Cloud platforms and container technology. About This Book Understand the principles of modern Java EE and how to realize effective architectures Gain knowledge of how to design enterprise software in the age of automation, Continuous Delivery and Cloud platforms Learn about the reasoning and motivations behind state-of-the-art enterprise Java technology, that focuses on business Who This Book Is For This book is for experienced Java EE developers who are aspiring to become the architects of enterprise-grade applications, or software architects who would like to leverage Java EE to create effective blueprints of applications. What You Will Learn What enterprise software engineers should focus on Implement applications, packages, and components in a modern way Design and structure application architectures Discover how to realize technical and cross-cutting aspects Get to grips with containers and container orchestration technology Realize zero-dependency, 12-factor, and Cloud-native applications Implement automated, fast, reliable, and maintainable software tests Discover distributed system architectures and their requirements In Detail Java EE 8 brings with it a load of features, mainly targeting newer architectures such as microservices, modernized security APIs, and cloud deployments. This book will teach you to design and develop modern, business-oriented applications using Java EE 8. It shows how to structure systems and applications, and how design patterns and Domain Driven Design aspects are realized in the age of Java EE 8. You will learn about the concepts and principles behind Java EE applications, and how to effect communication, persistence, technical and cross-cutting concerns, and asynchronous behavior. This book

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covers Continuous Delivery, DevOps, infrastructure-as-code, containers, container orchestration technologies, such as Docker and Kubernetes, and why and especially how Java EE fits into this world. It also covers the requirements behind containerized, zero-dependency applications and how modern Java EE application servers support these approaches. You will also learn about automated, fast, and reliable software tests, in different test levels, scopes, and test technologies. This book covers the prerequisites and challenges of distributed systems that lead to microservice, shared-nothing architectures. The challenges and solutions of consistency versus scalability will further lead us to event sourcing, event-driven architectures, and the CQRS principle. This book also includes the nuts and bolts of application performance as well as how to realize resilience, logging, monitoring and tracing in a modern enterprise world. Last but not least the demands of securing enterprise systems are covered. By the end, you will understand the ins and outs of Java EE so that you can make critical design decisions that not only live up to, but also surpass your clients' expectations. Style and approach This book focuses on solving business problems and meeting customer demands in the enterprise world. It covers how to create enterprise applications with reasonable technology choices, free of cargo-cult and over-engineering. The aspects shown in this book not only demonstrate how to realize a certain solution, but also explain its motivations and reasoning.

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.

OCM Java EE 6 Enterprise Architect Exam Guide (Exams 1Z0-807, 1Z0-865 & 1Z0-866)McGraw Hill Professional

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

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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

Helps readers understand the goals of system architecture, design patterns, identify the appropriate J2EE technologies and APIs, maximize security and scalability, and evaluate existing architectures.

As the digital economy changes the rules of the game for enterprises, the role of software and IT architects is also transforming. Rather than focus on technical decisions alone, architects and senior technologists need to combine organizational and technical knowledge to effect change in their company's structure and processes. To accomplish that, they need to connect the IT engine room to the penthouse, where the business strategy is defined. In this guide, author Gregor Hohpe shares real-world advice and hard-learned lessons from actual IT transformations. His anecdotes help architects, senior developers, and other IT professionals prepare for a more complex but rewarding role in the enterprise. This book is ideal for: Software architects and senior developers looking to shape the company's technology direction or assist in an organizational transformation Enterprise architects and senior technologists searching for practical advice on how to navigate technical and organizational topics CTOs and senior technical architects who are devising an IT strategy that impacts the way the organization works IT managers who want to learn what's worked and what hasn't in large-scale transformation

Summary Enterprise Java Microservices is an example-rich tutorial that shows how to design and manage large-scale Java applications as a collection of microservices. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Large applications are easier to develop and maintain when you build them from small, simple components. Java developers now enjoy a wide range of tools that support microservices application development, including right-sized app servers, open source frameworks, and well-defined patterns. Best of all, you can build microservices applications using your existing Java skills. About the Book Enterprise Java Microservices teaches you to design and build JVM-based microservices applications. You'll start by learning how

microservices designs compare to traditional Java EE applications. Always practical, author Ken Finnigan introduces big-picture concepts along with the tools and techniques you'll need to implement them. You'll discover ecosystem components like Netflix Hystrix for fault tolerance and master the Just enough Application Server (JeAS) approach. To ensure smooth operations, you'll also examine monitoring, security, testing, and deploying to the cloud. What's inside The microservices mental model Cloud-native development Strategies for fault tolerance and monitoring Securing your finished applications About the Reader This book is for Java developers familiar with Java EE. About the Author Ken Finnigan leads the Thorntail project at Red Hat, which seeks to make developing microservices for the cloud with Java and Java EE as easy as possible. Table of Contents PART 1 MICROSERVICES BASICS Enterprise Java microservices Developing a simple RESTful microservice Just enough Application Server for microservices Microservices testing Cloud native development PART 2 - IMPLEMENTING ENTERPRISE JAVA MICROSERVICES Consuming microservices Discovering microservices for consumption Strategies for fault tolerance and monitoring Securing a microservice Architecting a microservice hybrid Data streaming with Apache Kafka

The Java EE 7 Tutorial: Volume 2, Fifth Edition, is a task-oriented, example-driven guide to developing enterprise applications for the Java Platform, Enterprise Edition 7 (Java EE 7). Written by members of the Java EE documentation team at Oracle, this book provides new and intermediate Java programmers with a deep understanding of the platform. This guide includes descriptions of platform features and provides instructions for using the latest versions of NetBeans IDE and GlassFish Server Open Source Edition. The book introduces Enterprise JavaBeans components, the Java Persistence API, the Java Message Service (JMS) API, Java EE security, transactions, resource adapters, Java EE Interceptors, Batch Applications for the Java Platform, and Concurrency Utilities for Java EE. The book culminates with three case studies that illustrate the use of multiple Java EE 7 APIs.

A Complete Study System for OCM Exams 1Z0-807, 1Z0-865, and 1Z0-866 Prepare for the Oracle Certified Master Java EE 6 Enterprise Architect exams with this exclusive Oracle Press guide. The multiple-choice exam, the assignment, and the essay exam are covered. Chapters feature challenging exercises, a certification summary, a two-minute drill, and a self-test to reinforce the topics presented. This authoritative resource helps you pass these exams and also serves as an essential, on-the-job reference. Get complete coverage of all exam objectives, including: Application design concepts and principles Common architectures Integration and messaging Business-tier technologies Web-tier technologies Design patterns Security Electronic content includes: 120 multiple-choice practice exam questions Test engine that provides practice exams and customized quizzes by chapter PDF copy of the book

An enterprise Java developer's guide to learning JAX-RS, context and dependency injection, JavaServer Faces (JSF),

and microservices with Eclipse MicroProfile using the latest features of Jakarta EE Key Features Explore Jakarta EE's latest features and API specifications and discover their benefits Build and deploy microservices using Jakarta EE 8 and Eclipse MicroProfile Build robust RESTful web services for various enterprise scenarios using the JAX-RS, JSON-P, and JSON-B APIs Book Description Jakarta EE is widely used around the world for developing enterprise applications for a variety of domains. With this book, Java professionals will be able to enhance their skills to deliver powerful enterprise solutions using practical recipes. This second edition of the Jakarta EE Cookbook takes you through the improvements introduced in its latest version and helps you get hands-on with its significant APIs and features used for server-side development. You'll use Jakarta EE for creating RESTful web services and web applications with the JAX-RS, JSON-P, and JSON-B APIs and learn how you can improve the security of your enterprise solutions. Not only will you learn how to use the most important servers on the market, but you'll also learn to make the best of what they have to offer for your project. From an architectural point of view, this Jakarta book covers microservices, cloud computing, and containers. It allows you to explore all the tools for building reactive applications using Jakarta EE and core Java features such as lambdas. Finally, you'll discover how professionals can improve their projects by engaging with and contributing to the community. By the end of this book, you'll have become proficient in developing and deploying enterprise applications using Jakarta EE. What you will learn Work with Jakarta EE's most commonly used APIs and features for server-side development Enable fast and secure communication in web applications with the help of HTTP2 Build enterprise applications with reusable components Break down monoliths into microservices using Jakarta EE and Eclipse MicroProfile Improve your enterprise applications with multithreading and concurrency Run applications in the cloud with the help of containers Get to grips with continuous delivery and deployment for shipping your applications effectively Who this book is for This book is for Java EE developers who want to build enterprise applications or update their legacy apps with Jakarta EE's latest features and specifications. Some experience of working with Java EE and knowledge of web and cloud computing will assist with understanding the concepts covered in this book.

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™ 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 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.

The Java EE 6 Tutorial: Advanced Topics, Fourth Edition, is a task-oriented, example-driven guide to developing enterprise applications for the Java Platform, Enterprise Edition 6 (Java EE 6). Written by members of the Java EE 6 documentation team at Oracle, this book provides new and intermediate Java programmers with a deep understanding of the platform. This guide—which builds on the concepts introduced in The Java EE 6 Tutorial: Basic Concepts, Fourth Edition—contains advanced material, including detailed introductions to more complex platform features and instructions

for using the latest version of the NetBeans IDE and the GlassFish Server, Open Source Edition. This book introduces the Java Message Service (JMS) API and Java EE Interceptors. It also describes advanced features of JavaServer Faces, Servlets, JAX-RS, Enterprise JavaBeans components, the Java Persistence API, Contexts and Dependency Injection for the Java EE Platform, web and enterprise application security, and Bean Validation. The book culminates with three new case studies that illustrate the use of multiple Java EE 6 APIs.

Build powerful back-end business logic and complex Enterprise JavaBeans (EJB)-based applications using Java EE 8, Eclipse Enterprise for Java (EE4J), Web Tools Project (WTP), and the Microprofile platform. Targeted at Java and Java EE developers, with or without prior EJB experience, this book is packed with practical insights, strategy tips, and code examples. As each chapter unfolds, you'll see how you can apply the new EJB spec to your own applications through specific examples. Beginning EJB in Java EE 8 serves not only as a reference, but also as a how-to guide and repository of practical examples to which you can refer as you build your own applications. It will help you harness the power of EJBs and take your Java EE 8 development to the next level. You'll gain the knowledge and skills you'll need to create the complex enterprise applications that run today's transactions and more. What You'll Learn Build applications with Enterprise JavaBeans (EJBs) in the new Java EE 8 platform Discover when to use EJBs over contexts and dependency injection Use message-driven beans to do tasks asynchronously Integrate EJBs with microservices using the new Eclipse Microprofile project Manage complex enterprise transactions and much more Who This Book Is For Java programmers new to enterprise development and for those who may have experience with EJBs but are new to Java EE 8, EE4J, and related Eclipse projects.

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This book aims serving students, developers, technical leads and professionals who wish to learn server side, enterprise application development, using Java EE 6. This book explores Java EE 6 and systematically illustrates its various specifications with plenty of real world examples with complete code spec and diagrams to make it easier to follow.

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Whether you are a beginner or an experienced Enterprise developer, you should find this book, a valuable and accessible knowledge base for creating Enterprise solutions. Topics Covered in the Book Java EE Introduction To Java and Java EE, Java EE 6 Architecture, Setting Up NetBeans IDE 6.8 Java Servlets 3.0 Introduction, Servlet API And Lifecycle, Working With Servlets, Working With Databases, Cookies, Session, Filters, Request Dispatcher, Annotations, HttpOnly Cookies JavaServer Pages 2.1 Introduction, Getting Started, Action Elements, Implicit Objects, Scope, Expression Language, JSP Standard Tag Libraries JavaServer Faces 2.0 Introduction, Getting Started, JSF Components, Managed Beans, Navigation, Converters and Validators, Facelets Enterprise JavaBeans 3.1 Introduction, Getting Started, Session Beans - Stateless/Stateful/Singleton, Message Driven Beans, Interceptors, Asynchronous Invocation, Calendar Based Timer Services, No-Interface View Advanced Topics Web Services, JavaMail, JNDI, Enterprise Application Development, Listener, Java Transaction API

Master Java EE design pattern implementation to improve your design skills and your application's architecture Professional Java EE Design Patterns is the perfect companion for anyone who wants to work more effectively with JavaEE, and the only resource that covers both the theory and application of design patterns in solving real-world problems. The authors guide readers through both the fundamental and advanced features of Java EE 7, presenting patterns throughout, and demonstrating how they are used in day-to-day problem solving. As the most popular programming language in community-driven enterprise software, Java EE provides an API and runtime environment that is a superset of Java SE. Written for the junior and experienced Java EE developer seeking to improve design quality and effectiveness, the book covers areas including: Implementation and problem-solving with design patterns Connection between existing Java SE design patterns and new Java EE concepts Harnessing the power of Java EE in design patterns Individually-based focus that fully explores each pattern Colorful war-stories showing how patterns were used in the field to solve real-life problems Unlike most Java EE books that simply offer descriptions or recipes, this book drives home the implementation of the pattern to real problems to ensure that the reader learns how the patterns should be used and to be aware of their pitfalls. For the programmer looking for a comprehensive guide that is actually useful in the everyday workflow, Professional Java EE Design Patterns is the definitive resource on the market.

- Pass Your 1Z0-807 Exam Easy! with this guide.- Number of questions: 90 Q&A.- Version of the dump: Latest version.- 1Z0-807 exam dumps & updated practice test questions to study and pass quickly and easily.- 100% Real 1Z0-807 practice test questions uploaded by real users who have passed their own exam and verified all the incorrect answers. "The Java™ landscape is littered with libraries, tools, and specifications. What's been lacking is the expertise to fuse them into solutions to real-world problems. These patterns are the intellectual mortar for J2EE software construction."

—John Vlissides, coauthor of *Design Patterns: Elements of Reusable Object-Oriented Software* Pro Java™ EE Spring Patterns focuses on enterprise patterns, best practices, design strategies, and proven solutions using key Java EE technologies including JavaServer Pages™, Servlets, Enterprise JavaBeans™, and Java Message Service APIs. This Java EE patterns resource, catalog, and guide, with its patterns and numerous strategies, documents and promotes best practices for these technologies, implemented in a very pragmatic way using the Spring Framework and its counters. This title Introduces Java EE application design and Spring framework fundamentals Describes a catalog of patterns used across the three tiers of a typical Java EE application Provides implementation details and analyses each pattern with benefits and concerns Describes the application of these patterns in a practical application scenario

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.

Real World Java EE Patterns - Rethinking Best Practices (<http://realworldpatterns.com>) discusses patterns and best

practices in a structured way, with code from real world projects. The rewritten and re-edited version of this book covers: an introduction into the core principles and APIs of Java EE 6, principles of transactions, isolation levels, CAP and BASE, remoting, pragmatic modularization and structure of Java EE applications, discussion of superfluous patterns and outdated best practices, patterns for domain driven and service oriented components, custom scopes, asynchronous processing and parallelization, real time HTTP events, schedulers, REST optimizations, plugins and monitoring tools, and fully functional JCA 1.6 implementation. Real World Java EE Patterns--Rethinking Best Practices will not only help experienced developers and architects to write concise code, but especially help you to shrink the codebase to unbelievably small sizes: -).

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This book is a thorough introduction to Java Message Service (JMS), the standard Java application program interface (API) from Sun Microsystems that supports the formal communication known as "messaging" between computers in a network. JMS provides a common interface to standard messaging protocols and to special messaging services in support of Java programs. The messages exchange crucial data between computers, rather than between users--information such as event notification and service requests. Messaging is often used to coordinate programs in dissimilar systems or written in different programming languages. Using the JMS interface, a programmer can invoke the messaging services of IBM's MQSeries, Progress Software's SonicMQ, and other popular messaging product vendors. In addition, JMS supports messages that contain serialized Java objects and messages that contain Extensible Markup Language (XML) pages. Messaging is a powerful new paradigm that makes it easier to uncouple different parts of an enterprise application. Messaging clients work by sending messages to a message server, which is responsible for delivering the messages to their destination. Message delivery is asynchronous, meaning that the client can continue working without waiting for the message to be delivered. The contents of the message can be anything from a simple text string to a serialized Java object or an XML document. Java Message Service shows how to build applications using the point-to-point and publish-and-subscribe models; how to use features like transactions and durable subscriptions to make an application reliable; and how to use messaging within Enterprise JavaBeans. It also introduces a new EJB type, the MessageDrivenBean, that

is part of EJB 2.0, and discusses integration of messaging into J2EE.

Build microservices-based enterprise applications with the latest version of Java EE Key Features Create microservices in Spring and deploy them with Docker and Mesos Examine a number of real-world use cases and hands-on code examples Develop distributed applications based on microservices architecture Book Description Cloud-based applications have been increasingly in demand, and this has caused a shift from monolithic to microservice applications. With the help of Java EE 8 Microservices, you'll get to grips with the components of Java EE 8 and understand how they are used to implement microservices. This book explains how a monolithic application is transformed into a microservice application, then helps you connect it in a traditional way and use advanced approaches for asynchronous communication. Once you have learned the basics, you'll explore advanced topics to make your microservices robust, scalable, and secure. Microservices form distributed applications, and by the end of this book you'll have discovered how to develop, pack, ship, and support distributed applications using Java EE. What you will learn Build microservices from the ground up with Java EE 8 Implement and deploy microservices with Spring Boot Develop reactive pipelines for asynchronous communication Use caching mechanisms and JSON Web Token (JWT) to create scalable and secure microservices Empower microservices with the Micro Profile effort and implement health checks, fault tolerance, and monitoring mechanisms Use containers to build and deploy microservices Create contract-first documentation with Swagger and API Blueprint Who this book is for Java EE 8 Microservices is for Java EE developers keen to build microservice-based enterprise applications.

"A quick reference for simplified Enterprise Java development"--Cover.

Build Java-based enterprise applications using the open source Eclipse Jakarta EE platform. This feature-packed book teaches you enterprise Java development top to bottom. It covers Java web-tier development using servlets, JavaServer Faces (JSF), RESTful applications, and JSON. You'll also cover Java data-tier development using persistence and transaction handling, messaging services, remote procedure calls, concurrency, and security to round out a complete Java-based enterprise application. Step by step and easy to follow, Beginning Jakarta EE includes many practical examples. Written by a Java expert and consultant, this book contains the best information possible on enterprise Java technologies. You'll see that Jakarta EE is the next evolution of Java EE 8 and how it is one of the leading Java platforms for enterprise application development. What You Will Learn Build enterprise Java applications using Jakarta EE Set up your development environment Create page-flow web applications with JSF Write single-page web applications with REST and JSON Persist data using JPA in Jakarta EE Build enterprise Java modules using EJBs and CDI Work with transaction engines using JTA Secure, log, and monitor your Jakarta EE applications Who This Book Is For Beginning Java EE application developers with some experience of Java 8.

Create Next-Generation Enterprise Applications Build and distribute business web applications that target both desktop and mobile devices. Cowritten by Java EE and NetBeans IDE experts, Java EE and HTML5 Enterprise Application Development fully explains cutting-edge, highly responsive design tools and strategies. Find out how to navigate NetBeans IDE, construct HTML5 programs,

employ JavaScript APIs, integrate CSS and WebSockets, and handle security. This Oracle Press guide also offers practical coverage of SaaS, MVVM, and RESTful concepts. Explore HTML5 and Java EE 7 features Use NetBeans IDE editors, templates, and code generators Implement MVVM functionality with Knockout.js Dynamically map database objects using Java Persistence API Configure, manage, and invoke RESTful Web Services Maximize messaging efficiency through WebSockets Accept and process HTML5 Server-Sent Events streams Employ Syntactically Awesome Stylesheets, CSS3, and Sassy CSS

Following her widely acclaimed Autobiography of Red ("A spellbinding achievement" --Susan Sontag), a new collection of poetry and prose that displays Anne Carson's signature mixture of opposites--the classic and the modern, cinema and print, narrative and verse. In Men in the Off Hours, Carson reinvents figures as diverse as Oedipus, Emily Dickinson, and Audubon. She views the writings of Sappho, St. Augustine, and Catullus through a modern lens. She sets up startling juxtapositions (Lazarus among video paraphernalia; Virginia Woolf and Thucydides discussing war). And in a final prose poem, she meditates on the recent death of her mother. With its quiet, acute spirituality, its fearless wit and sensuality, and its joyful understanding that "the fact of the matter for humans is imperfection," Men in the Off Hours shows us "the most exciting poet writing in English today" (Michael Ondaatje) at her best. From the Hardcover edition.

The Java EE 6 Tutorial: Basic Concepts, Fourth Edition, is a task-oriented, example-driven guide to developing enterprise applications for the Java Platform, Enterprise Edition 6 (Java EE 6). Written by members of the Java EE 6 documentation team at Oracle, this book provides new and intermediate Java programmers with a deep understanding of the platform. Starting with expert guidance on web tier technologies, including JavaServer Faces and Facelets, this book also covers building web services using JAX-WS and JAX-RS, developing business logic with Enterprise JavaBeans components, accessing databases using the Java Persistence API, securing web and enterprise applications, and using Contexts and Dependency Injection for the Java EE platform. This edition contains extensive new material throughout, including detailed introductions to the latest APIs and platform features, and instructions for using the latest versions of GlassFish Server Open Source Edition and NetBeans IDE. Key platform features covered include Convention over configuration, so developers need specify only those aspects of an application that vary from the convention Annotated POJOs (Plain Old Java Objects) with optional XML configuration Simplified but more flexible packaging Lightweight Web Profile that is ideal for developing web applications The Java Series...from the Source Since 1996, when Addison-Wesley published the first edition of The Java Programming Language by Ken Arnold and James Gosling, this series has been the place to go for complete, expert, and definitive information on Java technology. The books in this series provide the detailed information developers need to build effective, robust, and portable applications and are an indispensable resource for anyone using the Java platform.

Develop Java enterprise applications to meet the emerging digital standards using Java EE 7 About This Book Build modern Java EE web applications that insert, update, retrieve, and delete customer data with up-to-date methodologies Delve into the essential JavaScript programming language and become proficient with front-end technologies that

integrate with the Java platform Learn about JavaServer Faces, its lifecycle, and custom tags, and build exciting digital applications with the aid of handpicked, real-world examples Who This Book Is For If you are a professional Java engineer and want to develop well-rounded and strong Java Web Development skills, then this book is for you. What You Will Learn Understand and apply updated JavaServer Faces key features including HTML5 support, resource library constructs, and pass through attributes Build web applications that conform to digital standards and governance, and leverage the Java EE 7 web architecture Construct modern JSF Forms that apply validation, add AJAX for immediate validation, and write your own validators Augment a traditional web application with JSF 2.2 Flow Beans and Flow Scope Beans Program single page applications including AngularJS, and design Java RESTful back-end services for integration Utilize modern web frameworks such as Bootstrap and Foundation in your JSF applications Create your own JSF custom components that generate reusable content for your stakeholders and their businesses In Detail Digital Java EE 7 presents you with an opportunity to master writing great enterprise web software using the Java EE 7 platform with the modern approach to digital service standards. You will first learn about the lifecycle and phases of JavaServer Faces, become completely proficient with different validation models and schemes, and then find out exactly how to apply AJAX validations and requests. Next, you will touch base with JSF in order to understand how relevant CDI scopes work. Later, you'll discover how to add finesse and pizzazz to your digital work in order to improve the design of your e-commerce application. Finally, you will deep dive into AngularJS development in order to keep pace with other popular choices, such as Backbone and Ember JS. By the end of this thorough guide, you'll have polished your skills on the Digital Java EE 7 platform and be able to creat exiting web application. Style and approach This book takes a step-by-step and detailed approach, coaching you through real-world scenarios. The book's style is designed for those who enjoy a thorough educational approach.

This handbook is a concise guide to architecting, designing and building J2EE applications. This handbook will guide the technical architect through the entire J2EE project including identifying business requirements, performing use-case analysis, object and data modeling, and guiding a development team during construction. Whether you are about to architect your first J2EE application or are looking for ways to keep your projects on-time and on-budget, you will refer to this handbook again and again.

Direct from the Source! The authoritative step-by-step guide to developing enterprise applications for Java EE.

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

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

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

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