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## Glassfish Application Deployment Guide

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*Continuous Integration for the Masses* Packt Publishing Ltd

"A stereotype of computer science textbooks is that they are dry, boring, and sometimes even intimidating. As a result, they turn students' interests off from the subject matter instead of enticing them into it. This textbook is the opposite of such a stereotype. The author presents the subject matter in a refreshing story-telling style and aims to bring the Internet-generation of students closer to her stories." --Yingcai Xiao, The University of Akron Introduction to Middleware: Web Services, Object Components, and Cloud Computing provides a comparison of different middleware technologies and the overarching middleware concepts they are based on. The various major paradigms of middleware are introduced and their pros and cons are discussed. This includes modern cloud interfaces, including the utility of Service Oriented Architectures. The text discusses pros and cons of RESTful vs. non-RESTful web services, and also compares these to older but still heavily used distributed object/component middleware. The text guides readers to select an appropriate middleware technology to use for any given task, and to learn new middleware technologies as they appear over time without being greatly overwhelmed by any new concept. The book begins with an introduction to different distributed computing paradigms, and a review of the different kinds of architectures, architectural styles/patterns, and properties that various researchers have used in the past to examine distributed applications and

determine the quality of distributed applications. Then it includes appropriate background material in networking and the web, security, and encoding necessary to understand detailed discussion in this area. The major middleware paradigms are compared, and a comparison methodology is developed. Readers will learn how to select a paradigm and technology for a particular task, after reading this text. Detailed middleware technology review sections allow students or industry practitioners working to expand their knowledge to achieve practical skills based on real projects so as to become well-functional in that technology in industry. Major technologies examined include: RESTful web services (RESTful cloud interfaces such as OpenStack, AWS EC2 interface, CloudStack; AJAX, JAX-RS, ASP.NET MVC and ASP.NET Core), non-RESTful (SOAP and WSDL-based) web services (JAX-WS, Windows Communication Foundation), distributed objects/components (Enterprise Java Beans, .NET Remoting, CORBA). The book presents two projects that can be used to illustrate the practical use of middleware, and provides implementations of these projects over different technologies. This versatile and class-tested textbook is suitable (depending on chapters selected) for undergraduate or first-year graduate courses on client server architectures, middleware, and cloud computing, web services, and web programming.

### **Client-Server Web Apps with JavaScript and Java** CRC Press

Continuous delivery adds enormous value to the business and the entire software delivery lifecycle, but adopting this practice means mastering new skills typically outside of a developer's comfort zone. In this practical book, Daniel Bryant and Abraham Marín-Pérez provide guidance to help experienced Java developers master skills such as architectural design, automated quality assurance, and application packaging and deployment on a variety of platforms. Not only will you learn how to create a comprehensive build pipeline for continually delivering effective software, but you'll also explore how Java application architecture and deployment platforms have affected the way we rapidly and safely deliver new software to production environments. Get advice for beginning or completing your migration to continuous

delivery Design architecture to enable the continuous delivery of Java applications Build application artifacts including fat JARs, virtual machine images, and operating system container (Docker) images Use continuous integration tooling like Jenkins, PMD, and find-sec-bugs to automate code quality checks Create a comprehensive build pipeline and design software to separate the deploy and release processes Explore why functional and system quality attribute testing is vital from development to delivery Learn how to effectively build and test applications locally and observe your system while it runs in production

Getting the Most Out of Your Code "O'Reilly Media, Inc."

Beginning Database-Driven Application Development in Java™ EE: Using GlassFish™ focuses on the open source GlassFish persistence engine. This book shows Java programmers how to develop applications utilizing relational database technologies with examples using Oracle and MySQL and the GlassFish application development framework and deployment platform all based on Java EE. The book explains in detail how you can organize your Java EE solution into a multilayer architecture, placing most emphasis on how to implement the persistence and database tiers of an application. Through many examples, this book shows how you can efficiently use the Java Persistence features available in the Java EE platform. Find out how you can greatly simplify the task of building the persistence layer of your Java EE application by moving some application logic into the underlying database, utilizing database views, stored programs, and triggers. The book also explains how to deploy Java EE applications to GlassFish, a free, open source Java EE 5 – compliant application server.

Oracle ADF 11gR2 Development Beginner's Guide Apress

This handy guide provides an overview of Java Enterprise Edition 6 ' s main technologies and includes extensive, easy-to-understand code samples that demonstrate the platform ' s many improvements. You ' ll quickly understand how Java EE 6 simplifies the process of developing and deploying web and enterprise applications. Explore what ' s new in Java EE 6, including Contexts and Dependency Injection and the Java API for RESTful Web Services Discover how Java EE 6 features relate to design patterns in web and enterprise applications Get the specifications for making your application Java EE compliant Learn about revisions to Enterprise JavaBeans, JavaServer Faces, and other components Find out how Java EE 6 profiles change the platform ' s " one size fits all " approach Get started with Java EE 6 development and deployment, using NetBeans IDE and GlassFish

Liferay Administrator's Guide Packt Publishing Ltd

If you're interested in JRuby, you probably don't need a tutorial on Ruby, Rails, or Java -- you just need to know how to get things done. This Cookbook offers practical solutions for using the Java implementation of the Ruby language, with targeted recipes for deploying Rails web applications on Java servers, integrating JRuby code with Java technologies, developing JRuby desktop applications with Java toolkits, and more. Using numerous reusable code samples, JRuby Cookbook shows you how to: Install and update JRuby on Windows, Mac OS X, and Linux, and IDEs such as NetBeans and Eclipse Package and deploy Rails apps on Java Servlet containers and Java EE application servers, including JBoss, Tomcat, and GlassFish Integrate Ruby and Rails applications with popular Java EE technologies such as JMS, JMX, JPA, Spring, and Hibernate Develop desktop and client applications with cross-platform Java UI technologies and toolkits such as Swing, SWT, and Java 2D Maximize the flexibility of your testing and build environment, using both existing Java-based tools such as Ant and

Maven and newer Ruby-based tools such as Rake, Raven, and Buildr The JRuby interpreter combines Ruby's simplicity and ease of use with Java's extensive libraries and technologies, a potent blend that opens new possibilities for Ruby, Rails, and Java. This Cookbook helps you take full advantage of JRuby's potential. "The JRuby Cookbook is an excellent book for any polyglot who is trying to bridge the gap between Java and Ruby. It provides solutions to specific problems developers face in both their development and testing environments, along with the applications they're building."-- Bob McWhirter, Research & Prototyping, Red Hat Middleware

*Beginning Java EE 6 with GlassFish 3* Packt Pub Limited

Part of Packt's Beginner's Guide series, each chapter follows the creation of a fictional neighbourhood site to demonstrate an aspect of Liferay portal with practical examples, screenshots, and step-by-step instructions. All you need in order to benefit from the Liferay Beginner's Guide is programming experience. No prior knowledge of Liferay is required, although experienced Liferay portal programmers who need to get up to speed with its latest features will also find this book useful.

**A Problem-Solution Approach** Apress

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

The Complete Guide to Installing and Configuring the GlassFish Application Server and Developing Java EE 5 Applications to be Deployed to this Server "O'Reilly Media, Inc."

Use this book as an on-ramp to the development of enterprise-grade chatbots and digital assistants. It is based on real-life experience and explains everything you need to know to start building your own digital assistant (DA) using Oracle technologies. You will become familiar with the concepts involved in DA development from both a user experience and technical point of view. You will learn to create DAs using Oracle technologies, including the Oracle Digital Assistant Cloud. In the first part of the book, you will learn the basic principles of the digital assistant (AKA Chatbot) technology. You will be guided through the steps involved in designing a DA, including how to make sure that the user receives a satisfying experience when using the assistant. In the second part of the book, you will learn how to implement the digital assistant that was designed in the first part. You will begin with a basic implementation, later enhancing that implementation with agents, multi-language support, and webviews. The final part of the book adds a deep dive into custom component development with an example around sentiment analysis and speech. What You Will Learn Design digital assistants to meet business requirements Implement a great user experience for your digital assistants Translate

digital assistant design into real implementations Build multi-language support into your assistants Enhance digital assistants with webviews Create custom components to extend feature sets Who This Book Is For Designers and developers who want to implement digital assistants using Oracle technologies and the cloud platform. This book is ideal for readers new to creating digital assistants, and covers aspects of design, including user experience design, before moving into the technical implementation. Readers experienced in creating digital assistants on other platforms will find the book useful for making the transition to Oracle technologies and the Oracle Digital Assistant Cloud.

*A Complete Guide To Internet And Web Programming* "O'Reilly Media, Inc."

Become an ADF expert with essential tips n' tricks and case studies for leveraging your ADF applications.

**JBoss AS 5 Development** Dreamtech Press

Many bookstores offer numerous choices of books on Java Server Programming; however, most of these books are intricate and complex to grasp. So, what are your chances of picking up the right one? If this question has been troubling you, be rest assured now! This book, Java Server Programming: Java EE 5 (J2EE 1.5) Black Book, Platinum Edition, is a one-time reference book that covers all aspects of Java EE in an easy-to-understand approach for example, how an application server runs; how GlassFish Application server deploys a Java application; a complete know-how of design patterns, best practices, and design strategies; working with Java related technologies such as NetBeans IDE 6.0, Hibernate, Spring, and Seam frameworks; and proven solutions using the key Java EE technologies, such as JDBC, Servlets, JSP, JSTL, RMI, JNDI, JavaMail, Web services, JCA, Struts, JSF, UML, and much more& All this, as the book explores these concepts with appropriate examples and executable applications no doubt, every aspect of the book is worth its price.

*JBoss in Action* Packt Publishing Ltd

Annotation JBoss AS is the most used Java application server on the market meeting high standards of reliability, efficiency, and robustness and is used to build powerful and secure Java EE applications. It supports the most important areas of Java Enterprise programming including EJB 3.0, dependency injection, web services, the security framework, and more. Getting started with JBoss application server development can be challenging; however, with the right approach and guidance, you can easily master it and this book promises that. Written in an easy-to-read style, this book will take you from the basics of JBoss AS\_such as installing core components and plug-ins\_to the skills that will make you a JBoss developer to be reckoned with, covering advanced topics such as developing applications with JBoss Messaging service, JBoss web services, clustered applications, and more. You will learn the necessary steps to install a suitable environment for developing enterprise applications on JBoss AS. Then, your journey will continue through the heart of the application server, explaining how to customize each service for optimal usage. You will learn how to design Enterprise applications using Eclipse and JBoss plug-ins. You will then learn how to enable distributed communication using JMS. Storing and retrieving objects will be made easier using Hibernate. The core section of the book will take you into the programming arena with tested, real-world examples. The example programs have been carefully crafted to be easy to understand and useful as starting points for your applications. This book will kick-start your productivity and help you to master JBoss AS development. The author's experience with JBoss enables him to share insights on JBoss AS development, in a clear and friendly way. By the end of the book, you will have the confidence to apply all the newest programming techniques to your JBoss applications.

Java EE 7 Recipes Apress

This IBM® Redbooks® publication helps you plan and execute the migration of J2EE applications developed for Oracle WebLogic Server, JBoss, GlassFish, and Apache Tomcat, so that they run on WebSphere® Application Server V7. This book provides detailed information to plan migrations,

suggested approaches for developing portable applications, and migration working examples for each of the platforms from which we migrated. It is not our intention to provide a feature-by-feature comparison of these application servers versus WebSphere Application Server V7, or to argue the relative merits of the products, but to produce practical technical advice for developers who have to migrate applications from these vendors to WebSphere Application Server V7. The book is intended as a migration guide for IT specialists who are working on migrating applications written for other application servers to WebSphere Application Server V7.

*Java EE 7 Edition* Packt Publishing Ltd

Oracle ADF 11gR2 Development Beginner's Guide will cover the basics of Oracle ADF 11g development and will then work through more complex topics as the reader gains more skills. This book will follow a tutorial approach with the content and tasks getting more advanced throughout. This book is intended for beginners who know a little about Java programming and would like to learn how to develop rich web applications using the Oracle Application Development Framework.

**Continuous Delivery in Java** Packt Publishing Ltd

As a Java programmer, how can you tackle the disruptive client-server approach to web development? With this comprehensive guide, you'll learn how today's client-side technologies and web APIs work with various Java tools. Author Casimir Saternos provides the big picture of client-server development, and then takes you through many practical client-server architectures. You'll work with hands-on projects in several chapters to get a feel for the topics discussed. User habits, technologies, and development methods have drastically altered web app design in recent years. But the Web itself hasn't changed. This book shows you how to build apps that conform to the web's underlying architecture. Learn the advantages of using separate client and server tiers, including code organization and speedy prototyping Explore the major tools, frameworks, and starter projects used in JavaScript development Dive into web API design and REST style of software architecture Understand Java's alternatives to traditional packaging methods and application server deployment Build projects with lightweight servers, using jQuery with Jython, and Sinatra with Angular Create client-server web apps with traditional Java web application servers and libraries

Oracle Digital Assistant Lulu.com

The Internet and Web Programming book helps you to understand concepts of Internet, World-Wide-Web and Programming Fundamentals to create websites by using HTML, JavaScript, JavaServlets, ASP, and JSP. The book covers:· Introduction to Web· Markup Language (HTML)· Cascading StyleSheet (CSS)· JavaScript and DHTML· Server Side Programming I· Server Side Programming II (Session Tracking)· Server Side Programming III (Database Connectivity) · Introduction to Web Extension

*Essential Tools and Best Practices for Deploying Code to Production* "O'Reilly Media, Inc."

Java EE 7 Recipes takes an example-based approach in showing how to program Enterprise Java applications in many different scenarios. Be it a small-business web application, or an enterprise database application, Java EE 7 Recipes provides effective and proven solutions to accomplish just about any task that you may encounter. You can feel confident using the reliable solutions that are demonstrated in this book in your personal or corporate environment. The solutions in Java EE 7 Recipes are built using the most current Java Enterprise specifications, including EJB 3.2, JSF 2.2, Expression Language 3.0, Servlet 3.1, and JMS 2.0. While older technologies and frameworks exist, it is important to be forward-looking and take advantage of all that the latest

technologies offer. Rejuvenate your Java expertise to use the freshest capabilities, or perhaps learn Java Enterprise development for the first time and discover one of the most widely used and most powerful platforms available for application development today. Let Java EE 7 Recipes show you the way by showing how to build streamlined and reliable applications much faster and easier than ever before by making effective use of the latest frameworks and features on offer in the Java EE 7 release. Shows off the most current Java Enterprise Edition technologies. Provides solutions to creating sophisticated user interfaces. Demonstrates proven solutions for effective database access. Table of Contents Introduction to Servlets JavaServer Pages The Basics of JavaServer Faces Facelets JavaServer Faces Standard Components Advanced JavaServer Faces and Ajax JDBC Object-Relational Mapping Enterprise JavaBeans The Query API and JPQL Oracle's Glassfish Contexts and Dependency Injection Java Message Service Authentication and Security Java Web Services Enterprise Solutions Using Alternative Programming Languages WebSockets and JSON-P JavaFX in the Enterprise Concurrency and Batch Applications  
[GlassFish Administration](#) Packt Publishing Ltd

A guide to the JBoss application server focuses on such enterprise-class topics as high availability, security, and performance.

*Java Performance: The Definitive Guide* Packt Publishing Ltd

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.

**GeoServer Beginner's Guide** Java EE 5 Development Using GlassFish Application Server The Complete Guide to Installing and Configuring the GlassFish Application Server and Developing Java EE 5 Applications to be Deployed to this Server

Java EE 5 Development Using GlassFish Application Server The Complete Guide to Installing and Configuring the GlassFish Application Server and Developing Java EE 5 Applications to be Deployed to this Server Packt Pub Limited

[The Java EE 6 Tutorial](#) Pearson Education

Design scalable and robust RESTful web services with JAX-RS and Jersey extension APIs About This Book Get to grips with the portable Java APIs used for JSON processing Design solutions to produce, consume, and visualize RESTful web services using WADL, RAML, and Swagger A step-by-step guide packed with many real-life use-cases to help you build efficient and secure RESTful web APIs in Java Who This Book Is For If you are a web developer with a basic understanding of the REST concepts but are new to the idea of designing and developing RESTful web services, this is the book for you. As all the code samples for the book are written in Java, proficiency in Java is a must. What You Will Learn Introduce yourself to the RESTful software architectural style and the REST API design principles Make use of the JSR 353 APIs and Jackson API for JSON processing Build portable RESTful web

APIs, making use of the JAX-RS 2.0 API Simplify API development using the Jersey extension APIs Secure your RESTful web services with various authentication and authorization mechanisms Get to grips with the various metadata solutions to describe, produce, and consume RESTful web services Understand the design and coding guidelines to build well-performing RESTful APIs See how the role of RESTful web services changes with emerging technologies and trends In Detail REST (REpresentational State Transfer) is a simple yet powerful software architecture style to create scalable web services and allow them to be simple, lightweight, and fast. The REST API uses HTTP and JSON, so that it can be used with many programming languages such as Ruby, Java, Python, and Scala. Its use in Java seems to be the most popular though, because of the API's reusability. This book is a guide to developing RESTful web services in Java using the popular RESTful framework APIs available today. You will begin with gaining an in-depth knowledge of the RESTful software architectural style and its relevance in modern applications. Further, you will understand the APIs to parse, generate, transform, and query JSON effectively. Then, you will see how to build a simple RESTful service using the popular JAX-RS 2.0 API along with some real-world examples. This book will introduce you to the Jersey framework API, which is used to simplify your web services. You will also see how to secure your services with various authentication mechanisms. You will get to grips with various solutions to describe, produce, consume, and visualize RESTful web services. Finally, you will see how to design your web services to equip them for the future technological advances, be it Cloud or mobile computing. By the end of this book, you will be able to efficiently build robust, scalable, and secure RESTful web services, making use of the JAX-RS and Jersey framework extensions. Style and approach This book is written as a step-by-step guide to designing and developing robust RESTful web services. Each topic is explained in a simple and easy-to-understand manner with lots of real-life use-cases and their solutions.