

Read Book Java Ee 7 Development With Wildfly Afnom Pdf For Free

Eclipse TEA Revealed Aug 16 2020 Discover the open source Eclipse Tasking Engine Advanced (TEA) project in this compact to-the-point book. It covers how to automate tasks using TEA and focuses on simplifying and aiding the creation of extensions for the Eclipse IDE in a way which makes them accessible both from the IDE ' s UI and in a headless fashion from the command line. Additionally, Eclipse TEA Revealed explores the library of pre-built components included with TEA, mostly in the area of rich client platform (RCP)-based Java application development, for building projects, updating sites, dealing with target platforms, and more. After reading and using this book, you'll be up to speed on the fundamentals of Eclipse TEA and ready to use it for more productive Java-based application builds and developments. What You Will Learn View TEA ' s internal architecture Work with TEA ' s APIs Write TEA components Use the pre-built TEA components Set up headless environments using TEA Who This Book Is For Readers should be Java developers interested in extending the Eclipse IDE and/or setting up headless environments based on Eclipse.

WildFly Performance Tuning Nov 30 2021 JBoss Application server is the most popular open-source Java application server, renamed as WildFly. This book has been updated (May 2021) to guide you in improving the performance of modern applications running on the top of it, covering details such as: - Get the most from the environment where WildFly is running - Monitor and optimize the JVM by analyzing its behavior - Learn various tools to monitor WildFly - Monitor and tune various subsystems included within WildFly - Know the pros and cons of application server settings - Discover low level details to tune a clustered WildFly environment ...and much more!

Hands-On Cloud Development with WildFly Jul 19 2023 If you want to develop faster and smarter cloud application, then WildFly is at your rescue. The book will teach you how to use WildFly Swarm and OpenShift to develop and deploy your applications in cloud environment emphasizing the benefits

of those solutions: right-sizing the application, easy development and release process, on-demand ...

Java EE 8 Development with Eclipse Apr 23 2021 Develop and deploy fully functional applications and microservices utilising Tomcat, Glassfish servers, Cloud and docker in Java EE 8 Key Features Explore the complete workflow of developing enterprise Java applications Develop microservices with Docker Container and deploy it in cloud Simplify Java EE application development Book Description Java EE is one of the most popular tools for enterprise application design and development. With recent changes to Java EE 8 specifications, Java EE application development has become a lot simpler with the new specifications, some of which compete with the existing specifications. This guide provides a complete overview of developing highly performant, robust and secure enterprise applications with Java EE with Eclipse. The book begins by exploring different Java EE technologies and how to use them (JSP, JSF, JPA, JDBC, EJB, and more), along with suitable technologies for different scenarios. You will learn how to set up the development environment for Java EE applications and understand Java EE specifications in detail, with an emphasis on examples. The book takes you through deployment of an application in Tomcat, GlassFish Servers, and also in the cloud. It goes beyond the basics and covers topics like debugging, testing, deployment, and securing your Java EE applications. You'll also get to know techniques to develop cloud-ready microservices in Java EE. What you will learn Set up Eclipse, Tomcat, and Glassfish servers for Java EE application development Use JSP, Servlet, JSF, and EJBs to create a user interface and write business logic Create Java EE database applications using JDBC and JPA Handle asynchronous messages using MDBs for better scalability Deploy and debug Java EE applications and create SOAP and REST web services Write unit tests and calculate code coverage Use Eclipse MAT (Memory Analysis Tool) to debug memory issues Create and deploy microservices Who this book is for If you are a Java developer with little or no experience in Java EE application development, or if you have experience in Java EE technology but are looking for tips to simplify and accelerate your development process, then this book is for you.

Docker and Kubernetes for Java Developers Jun 25 2021 Leverage the

lethal combination of Docker and Kubernetes to automate deployment and management of Java applications About This Book Master using Docker and Kubernetes to build, deploy and manage Java applications in a jiff Learn how to create your own Docker image and customize your own cluster using Kubernetes Empower the journey from development to production using this practical guide. Who This Book Is For The book is aimed at Java developers who are eager to build, deploy, and manage applications very quickly using container technology. They need have no knowledge of Docker and Kubernetes. What You Will Learn Package Java applications into Docker images Understand the running of containers locally Explore development and deployment options with Docker Integrate Docker into Maven builds Manage and monitor Java applications running on Kubernetes clusters Create Continuous Delivery pipelines for Java applications deployed to Kubernetes In Detail Imagine creating and testing Java EE applications on Apache Tomcat Server or Wildfly Application server in minutes along with deploying and managing Java applications swiftly. Sounds too good to be true? But you have a reason to cheer as such scenarios are only possible by leveraging Docker and Kubernetes. This book will start by introducing Docker and delve deep into its networking and persistent storage concepts. You will then proceed to learn how to refactor monolith application into separate services by building an application and then packaging it into Docker containers. Next, you will create an image containing Java Enterprise Application and later run it using Docker. Moving on, the book will focus on Kubernetes and its features and you will learn to deploy a Java application to Kubernetes using Maven and monitor a Java application in production. By the end of the book, you will get hands-on with some more advanced topics to further extend your knowledge about Docker and Kubernetes. Style and approach An easy-to-follow, practical guide that will help Java developers develop, deploy, and manage Java applications efficiently.

WildFly Configuration, Deployment, and Administration - Second Edition
Mar 15 2023 This book is aimed at Java developers, system administrators, application testers using WildFly, and anyone who performs a DevOps role. Whether you are completely new to WildFly or just require an understanding of WildFly's new features, this book is for you.

Java EE 8 Design Patterns and Best Practices Dec 20 2020 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.

Wildfly: New Features Sep 09 2022 This book is an easytofollow guide full of handson examples of administration tasks and valuable information about security. Each topic is explained and placed in context, and for the more

inquisitive readers, there are more indepth details of the concepts used. If you are an application server administrator or a Java developer with some experience with previous versions of JBoss AS and you want to familiarize yourself with WildFly, then this book is ideal for you.

JBoss: Developer's Guide Jan 13 2023 Build your own enterprise applications and integration flows with JBoss and its products About This Book Build fast, smart, and flexible applications using JBoss Couple one or more JBoss products to effectively solve various business problems Explore the JBoss product ecosystem for improving the performance of your projects Who This Book Is For If you are a Java developer who wants to have a complete view of the JBoss ecosystem or quickly explore a specific JBoss Product, then this is the book you want. Integrators and consultants, familiar with JBoss, who want integrate several JBoss products within their ongoing project will also find this book useful. What You Will Learn Create new applications or integrate existing systems with JBoss products Setup and manage a JBoss domain Setup and manage a JBoss Fuse cluster with Fabric and Apache Karaf Create and deploy OSGi applications on JBoss Fuse containersv Manage enterprise data with JBoss Datagrid Aggregate various data sources with JBoss Data virtualization to offer data as a service Optimize your business and workflows with both JBoss Business RulesManagement System and JBoss Business Process Management platforms. In Detail Have you often wondered what is the best JBoss product to solve a specific problem? Do you want to get started with a specific JBoss product and know how to integrate different JBoss products in your IT Systems? Then this is the book for you. Through hands-on examples from the business world, this guide presents details on the major products and how you can build your own Enterprise services around the JBoss ecosystem. Starting with an introduction to the JBoss ecosystem, you will gradually move on to developing and deploying clustered application on JBoss Application Server, and setting up high availability using undertow or HA proxy loadbalancers. As you are moving to a micro service archicture, you will be taught how to package existing Java EE applications as micro service using Swarm or create your new micro services from scratch by coupling most popular Java EE frameworks like JPA, CDI with Undertow handlers. Next, you will install and configure JBoss Data grid in development and production

environments, develop cache based applications and aggregate various data source in JBoss data virtualization. You will learn to build, deploy, and monitor integration scenarios using JBoss Fuse and run both producers/consumers applications relying on JBoss AMQ. Finally, you will learn to develop and run business workflows and make better decisions in your applications using Drools and Jboss BPM Suite Platform. Style and Approach The book works through the major JBoss products, with examples and instructions to help you understand each product and how they work together.

Mastering JBoss Enterprise Application Platform 7 Feb 02 2022 Create modular scalable enterprise-grade applications with JBoss Enterprise Application Platform 7 About This Book Leverage the power of JBoss EAP 7 along with Java EE 7 to create professional enterprise grade applications. Get you applications cloud ready and make them highly scalable using this advanced guide. Become a pro Java Developer and move ahead of the crowd with this advanced practical guide. Who This Book Is For The ideal target audience for this book is Java System Administrators who already have some experience with JBoss EAP and who now want explore in depth creating Enterprise grade apps with the latest JBoss EAP version. What You Will Learn Configure services using the Command Line Interface Deliver fault tolerant server configurations Harden the application server with advanced techniques Expand the application server's horizon with tools such as like Docker/OpenShift Create enterprise ready configurations using clustering techniques. Deliver advanced security solutions and learn how to troubleshoot common network/performance issues In Detail The JBoss Enterprise Application Platform (EAP) has been one of the most popular tools for Java developers to create modular, cloud-ready, and modern applications. It has achieved a reputation for architectural excellence and technical savvy, making it a solid and efficient environment for delivering your applications. The book will first introduce application server configuration and the management instruments that can be used to control the application server. Next, the focus will shift to enterprise solutions such as clustering, load balancing, and data caching; this will be the core of the book. We will also discuss services provided by the application server, such as database connectivity and logging. We focus on real-world example configurations and how to avoid common

mistakes. Finally, we will implement the knowledge gained so far in terms of Docker containers and cloud availability using RedHat's OpenShift. Style and approach If you are a Java developer who wants to level-up to modern day Java web development with the latest Java EE 7 and JBoss EAP 7, this book is the ideal solution for you. It addresses (in a clear and simple way) proof-of-concept scenarios such as clustering and cloud and container configurations, and explains how to solve common issues.

WildFly: New Features Oct 10 2022 This book is an easy-to-follow guide full of hands-on examples of administration tasks and valuable information about security. Each topic is explained and placed in context, and for the more inquisitive readers, there are more in-depth details of the concepts used. If you are an application server administrator or a Java developer with some experience with previous versions of JBoss AS and you want to familiarize yourself with WildFly, then this book is ideal for you.

Quarkus Cookbook Nov 18 2020 Optimized for Kubernetes, Quarkus is designed to help you create Java applications that are cloud first, container native, and serverless capable. With this cookbook, authors Alex Soto Bueno and Jason Porter from Red Hat provide detailed solutions for installing, interacting with, and using Quarkus in the development and production of microservices. The recipes in this book show midlevel to senior developers familiar with Java enterprise application development how to get started with Quarkus quickly. You ' ll become familiar with how Quarkus works within the wider Java ecosystem and discover ways to adapt this framework to your particular needs. You ' ll learn how to: Shorten the development cycle by enabling live reloading in dev mode Connect to and communicate with Kafka Develop with the reactive programming model Easily add fault tolerance to your services Build your application as a Kubernetes-ready container Ease development with OpenAPI and test a native Quarkus application

Developing Web Applications with Oracle ADF Essentials Feb 19 2021 Developing Web Applications with Oracle ADF Essentials covers the basics of Oracle ADF and then works through more complex topics such as debugging and logging features and JAAS Security in JDeveloper as the reader gains more skills. This book will follow a tutorial approach, using a practical example, with the content and tasks getting harder throughout."Developing

Web Applications with Oracle ADF Essentials" is for you if you want to build modern, user-friendly web applications for all kinds of data gathering, analysis, and presentations. You do not need to know any advanced HTML or JavaScript programming. Business logic can be implemented by adding Java code at well-defined hook points, so you do not need to know advanced object-oriented programming-regular Java programming skills are enough.

Practical Enterprise Application Development Feb 14 2023 Jakarta EE 10 is the latest version of the Java Enterprise Edition (EE) platform, which is designed to help developers build modern, scalable, and secure enterprise applications. This book provides a comprehensive guide to using Jakarta EE 10, covering everything from its architecture and key technologies, to best practices and advanced topics. With this book, you will learn how to set up your development environment, create and deploy Jakarta EE applications, and use the latest features in the platform and improved cloud-native capabilities. Whether you are new to Jakarta EE or an experienced Java EE developer, this book will provide you with the knowledge and skills you need to build robust and efficient enterprise applications with Jakarta EE 10. The first part of the book covers everything from the foundation components (EJB, Servlets, CDI, JPA) to the new technology stack defined in Jakarta EE 10, including Batch API, JSON-P API, the Concurrency API, Web Sockets, the JMS API, the core Web services stack (Jakarta REST Services, Jakarta SOAP Services). The testing area with Arquillian framework and the Security API is also fully covered in this part. At the end of this part, you will be able to create and deploy Enterprise applications on the top of Jakarta EE 10 runtimes (WildFly 27 or newer) and migrate your existing Java EE applications. The second part of the book discusses how to integrate the Jakarta Enterprise API with the Microprofile specification, to provide essential services to develop robust microservices such as the Configuration API, the Health API, the Fault tolerance API, the OpenAPI and Tracing API, the Metrics API, JWT Authentication API and REST Client API. Finally, the third part of the book covers how to build Microservices using WildFly Bootable jar technology and how to deploy them on the cloud with Red Hat OpenShift. What you will learn from this book: - Everything you need to know about Java EE, Jakarta EE 10 and MicroProfile API - How to set up your development environment

to build Enterprise applications and Microservices on the top of WildFly. - Learn the best Maven plugins that you can use to simplify your project scaffolding - Learning the foundation components that constitute the backbone of your applications: EJB, CDI, JPA, JAX-RS, JAX-WS - How to build loosely coupled applications using the straightforward JMS API - How to test your applications with Arquillian in a managed environment, remote environment and even on the cloud! - Discover how to develop Concurrent and Compliant Enterprise applications using the Concurrency API and how to define Batch Jobs using WildFly's batch subsystem. - Secure all kinds of applications (Web/EJB) with standard and custom login modules. How to encrypt the communication of EJB applications and Web applications. - How to enhance your Jakarta EE stack with Microprofile API to build robust Microservices - How to turn your Jakarta EE applications in Microservices using WildFly Bootable jar technology

Understanding Quarkus May 13 2020 Microservices is an architectural style that structures an application as a collection of distributed services. Microservices are certainly appealing but there are many questions that should be asked prior to diving into this architectural style: How do I deal with an unreliable network in a distributed architecture? How do I test my services? How do I monitor them? How do I package and execute them? That's when Quarkus comes into play. In this fascicle, you will learn Quarkus but also its ecosystem. You will discover Quarkus internals and how you can use it to build REST and reactive microservices, bind and process JSON or access datastores in a transactional way. With Cloud Native and GraalVM in mind, Quarkus makes packaging and orchestrating your microservices with Docker and Kubernetes easy. This fascicle has a good mix of theory and practical examples. It is the companion book of Practising Quarkus 1.x where you learn how to develop an entire microservice architecture.

Java EE 8 Cookbook Apr 11 2020 A practical guide for building effective enterprise solutions with Java EE 8 Key Features Recipes to get you up-and-running with Java EE 8 application development Learn how to apply the major Java EE 8 APIs and specifications Implement microservices and Reactive programming with Java EE 8 Book Description Java EE is a collection of technologies and APIs to support Enterprise Application

development. The choice of what to use and when can be dauntingly complex for any developer. This book will help you master this. Packed with easy to follow recipes, this is your guide to becoming productive with Java EE 8. You will begin by seeing the latest features of Java EE 8, including major Java EE 8 APIs and specifications such as JSF 2.3, and CDI 2.0, and what they mean for you. You will use the new features of Java EE 8 to implement web-based services for your client applications. You will then learn to process the Model and Streaming APIs using JSON-P and JSON-B and will learn to use the Java Lambdas support offered in JSON-P. There are more recipes to fine-tune your RESTful development, and you will learn about the Reactive enhancements offered by the JAX-RS 2.1 specification. Later on, you will learn about the role of multithreading in your enterprise applications and how to integrate them for transaction handling. This is followed by implementing microservices with Java EE and the advancements made by Java EE for cloud computing. The final set of recipes shows you how take advantage of the latest security features and authenticate your enterprise application. At the end of the book, the Appendix shows you how knowledge sharing can change your career and your life. What you will learn Actionable information on the new features of Java EE 8 Using the most important APIs with real and working code Building server side applications, web services, and web applications Deploying and managing your application using the most important Java EE servers Building and deploying microservices using Java EE 8 Building Reactive application by joining Java EE APIs and core Java features Moving your application to the cloud using containers Practical ways to improve your projects and career through community involvement Who this book is for This book is for developers who want to become proficient with Java EE 8 for their enterprise application development. Basic knowledge of Java is assumed

JBoss AS 7 Development Mar 03 2022 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. If you are a Java architect or developer who wants to get the most out of the latest release of the JBoss application server, then this book is for

you. You are not expected to have accumulated experience on the application server though you must know the basic concepts of Java EE.

Advanced Java Ee Development with Wildfly Jun 18 2023 Your one-stop guide to developing Java(r) EE applications with the Eclipse IDE, Maven, and WildFly(r) 8.1
About This Book Develop Java EE 7 applications using the WildFly platform Discover how to use EJB 3.x, JSF 2.x, Ajax, JAX-RS, JAX-WS, and Spring with WildFly 8.1 A practical guide filled with easy-to-understand programming examples to help you gain hands-on experience with Java EE development using WildFly
Who This Book Is For This book is for professional WildFly developers. If you are already using JBoss or WildFly but don't use the Eclipse IDE and Maven for development, this book will show you how the Eclipse IDE and Maven facilitate the development of Java EE applications with WildFly 8.1. This book does not provide a beginner-level introduction to Java EE as it is written as an intermediate/advanced course in Java EE development with WildFly 8.1.
In Detail This book starts with an introduction to EJB 3 and how to set up the environment, including the configuration of a MySQL database for use with WildFly. We will then develop object-relational mapping with Hibernate 4, build and package the application with Maven, and then deploy it in WildFly 8.1, followed by a demonstration of the use of Facelets in a web application. Moving on from that, we will create an Ajax application in the Eclipse IDE, compile and package it using Maven, and run the web application on WildFly 8.1 with a MySQL database. In the final leg of this book, we will discuss support for generating and parsing JSON with WildFly 8.1."

Enterprise JavaBeans 3.1 Jun 13 2020 Learn how to code, package, deploy, and test functional Enterprise JavaBeans with the latest edition of this bestselling guide. Written by the developers of JBoss EJB 3.1, this book not only brings you up to speed on each component type and container service in this implementation, it also provides a workbook with several hands-on examples to help you gain immediate experience with these components. With version 3.1, EJB's server-side component model for building distributed business applications is simpler than ever. But it's still a complex technology that requires study and lots of practice to master. Enterprise JavaBeans 3.1 is the most complete reference on this specification. You'll find a

straightforward, no-nonsense explanation of the underlying technology, including Java classes and interfaces, the component model, and the runtime behavior of EJB. Develop your first EJBs with a hands-on walkthrough of EJB 3.1 concepts Learn how to encapsulate business logic with Session Beans and Message-Driven Beans Discover how to handle persistence through Entity Beans, the EntityManager, and the Java Persistence API Understand EJB's container services such as dependency injection, concurrency, and interceptors Integrate EJB with other technologies in the Java Enterprise Edition platform Use examples with either the JBossAS, OpenEJB, or GlassFish v3 EJB Containers

WildFly Cookbook Aug 08 2022 With the increasing demand for distributed systems for Java applications, WildFly offers a robust platform on which to deploy and manage your services. As a matter of fact, WildFly 9 is a fully certified Java EE 7 platform and provides remote management tools, such as the redesigned Admin Console and the new and powerful Command Line Interface (CLI). With practical and accessible material, you will begin by learning to set up your WildFly runtime environment, and progress to selecting appropriate operational models, managing subsystems, and conquering the CLI. You will then walk through the different balancing and clustering techniques, simultaneously learning about role-based access control and then developing applications targeting WildFly and Docker.

JBoss in Action Apr 04 2022 JBoss in Action is the first book to focus on teaching readers in detail how to use the JBoss application server. Unlike other titles about JBoss, the authors of JBoss in Action go deeper into the advanced features and configuration of the server. In particular, it focuses on enterprise-class topics, such as high availability, security, and performance. This book walks readers through the JBoss 5 Application Server from installation to configuration to production development. It shows how to configure the server's various component containers such as the JBoss Web Server, the EJB 3 server, and JBoss Messaging. It also provides detailed insight into configuring the various component services such as security, performance, and clustering. Beyond coverage of the core application server, the book also teaches how to use some of the "hot" technologies that run on top of the application server, such as Jboss Seam and JBoss Portal. Purchase of the print

book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book. The authors, both seasoned professional experts at developing and administering JBoss, provide meaningful explanations and background on many topics which they tie in with their own practical, real-world advice from their collective experience. These uniquely comprehensive explanations and the wide coverage provided in this book surpass any other content currently available in any other book, article, or documentation on the subject.

Jakarta EE Cookbook Jul 15 2020 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.

Jboss Weld CDI for Java Platform May 25 2021 Writing a Portable Extension; What is a portable extension?; What is the CDI container lifecycle?; BeanManager; Injection into non-container managed instances; Registering a bean; Replacing annotations on a type via an extension; Summary; Book Store - CDI Services; Overview of the application; Adding interceptors for our services; Securing methods with an interceptor; Providing a transaction with an interceptor; Creating CDI services; Summary; Book Store - User Interfaces; REST services; User interface for customers; Administration interface; Summary; Index.

Advanced Java(r) Ee Development with Wildfly(r) Apr 16 2023 This book is for professional WildFly developers. If you are already using JBoss or WildFly but don't use the Eclipse IDE and Maven for development, this book will show you how the Eclipse IDE and Maven facilitate the development of Java EE applications with WildFly 8.1. This book does not provide a beginner-level introduction to Java EE as it is written as an intermediate/advanced course in Java EE development with WildFly 8.1.

Java EE 8 Application Development Mar 23 2021 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.

WildFly Configuration, Deployment, and Administration - Second Edition
Dec 12 2022 Build a functional and efficient WildFly server with this step-by-step, practical guide In Detail WildFly 8 is a modular, lightweight, Java EE-compliant application server. Application deployment and management is simplified with WildFly's centralized and easy-to-use administration interface. It supports high availability and latest web technologies, such as web sockets and a non-blocking API. There was previously a lack of a system-administration-free platform that allowed the scaling of Java EE applications, but WildFly 8 in combination with OpenShift fills that gap. The book starts with an explanation of the installation of WildFly and application server configuration. Then, it moves on to the configuration of enterprise services and also explores the new web container Undertow. It then covers domain configuration, application deployment, and application server management. By the end of the book, you will have a firm grasp of all the important aspects of clustering, load balancing, and WildFly security. This guide is invaluable for anyone who works with or is planning to switch to WildFly. What You Will Learn Discover how to install, start, and stop your WildFly server, and gain an understanding of the WildFly modular infrastructure Configure WildFly's services such as transactions, threads, logging, Enterprise Java Beans, and Java Message Service Set up the Undertow web server Deploy applications on WildFly using various deployment strategies Use JBoss' cloud platform OpenShift to simplify the deployment and management of applications Manage the application server using the command-line interface and the admin console Improve scalability by configuring high availability, clustering, and load balancing Secure your WildFly server and enterprise application components using a number of authentication mechanisms Downloading the example code for this book. You can download the example code files for all Packt books you have purchased from your account at <http://www.PacktPub.com>. If you purchased this book elsewhere, you can visit <http://www.PacktPub.com/support> and register to have the files e-mailed directly to you.

JBoss AS 5 Performance Tuning Sep 16 2020 Build faster, more efficient

enterprise Java applications.

JBoss AS 7 Development Jun 06 2022 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. If you are a Java architect or developer who wants to get the most out of the latest release of the JBoss application server, then this book is for you. You are not expected to have accumulated experience on the application server though you must know the basic concepts of Java EE.

Hands-On Enterprise Java Microservices with Eclipse MicroProfile Oct 18 2020 An effective guide to designing, building, and deploying enterprise Java microservices with Eclipse MicroProfile Key Features Create cloud-native microservices with ease using this detailed guide Avoid vendor lock-in when implementing microservices using Eclipse MicroProfile Discover why MicroProfile is a great specification for building microservices in multi-cloud environments Book Description Eclipse MicroProfile has gained momentum in the industry as a multi-vendor, interoperable, community-driven specification. It is a major disruptor that allows organizations with large investments in enterprise Java to move to microservices without spending a lot on retraining their workforce. This book is based on MicroProfile 2.2, however, it will guide you in running your applications in MicroProfile 3.0. You'll start by understanding why microservices are important in the digital economy and how MicroProfile addresses the need for enterprise Java microservices. You'll learn about the subprojects that make up a MicroProfile, its value proposition to organizations and developers, and its processes and governance. As you advance, the book takes you through the capabilities and code examples of MicroProfile 's subprojects - Config, Fault Tolerance, Health Check, JWT Propagation, Metrics, and OpenTracing. Finally, you ' ll be guided in developing a conference application using Eclipse MicroProfile, and explore possible scenarios of what ' s next in MicroProfile with Jakarta EE. By the end of this book, you'll have gained a clear understanding of Eclipse MicroProfile and its role in enterprise Java microservices. What you will learn Understand why microservices are important in the digital economy Analyze how

MicroProfile addresses the need for enterprise Java microservices. Test and secure your applications with Eclipse MicroProfile. Get to grips with various MicroProfile capabilities such as OpenAPI and Typesafe REST Client. Explore reactive programming with MicroProfile Stream and Messaging candidate APIs. Discover and implement coding best practices using MicroProfile. Who this book is for: If you're a Java developer who wants to create enterprise microservices, this book is for you. Familiarity with Java EE and the concept of microservices will help you get the most out of this book.

JBoss Sep 28 2021 There's nothing ordinary about JBoss. What began as an open source EJB container project six years ago has become a fully certified J2EE 1.4 application server with the largest market share, competitive with proprietary Java application servers in features and quality. And with its dynamic architecture, JBoss isn't just a J2EE server. You can alter the services to make J2EE work the way you want, or even throw J2EE away completely. After more than a million downloads, many JBoss users are no longer trying it out on internal test boxes, but rolling it out on production machines. JBoss: A Developer's Notebook takes you on a complete tour of JBoss in a very unique way: rather than long discussions, you will find code--lots of code. In fact, the book is a collection of hands-on labs that take you through the critical JBoss features step-by-step. You don't just read about JBoss, you learn it through direct practical application. That includes exploring the server's many configurations: from bare features for simple applications, to the lightweight J2EE configuration, to everything JBoss has in store--including Hibernate and Tomcat. JBoss: A Developer's Notebook also introduces the management console, the web services messaging features, enhanced monitoring capabilities, and shows you how to improve performance. At the end of each lab, you'll find a section called "What about..." that anticipates and answers likely follow-up questions, along with a section that points you to articles and other resources if you need more information. JBoss is truly an extraordinary application server. And we have an extraordinary way for you to learn it.

WildFly Administration Guide Nov 11 2022 JBoss Application server is the most popular open source Java application server, renamed from this release and on as WildFly. This book covers all details on administration and management aspect of this new version of the application server. Focusing

exclusively on the management instruments of the application server, the book takes you through all of the latest architectural and performance changes. You'll progress from basic server configuration to more advanced techniques for clustering, JDBC connectivity, logging, and much more. What you will learn from this book: - How to install the application server on Windows and Unix/Linux systems including details for installing it as a service - Steps for packaging and deploying web applications - Configuring the services stack, including the new Undertow Web subsystem - Deploying Wildfly 8 with the Apache Web server and mod_cluster - Monitoring Wildfly 8 servers in realtime - Secure applications and encrypt their communication

Continuous Enterprise Development in Java Jul 27 2021 Learn a use-case approach for developing Java enterprise applications in a continuously test-driven fashion. With this hands-on guide, authors and JBoss project leaders Andrew Lee Rubinger and Aslak Knutsen show you how to build high-level components, from persistent storage to the user interface, using the Arquillian testing platform and several other JBoss projects and tools. Through the course of the book, you ' ll build a production-ready software conference tracker called GeekSeek, using source code from GitHub. Rubinger and Knutsen demonstrate why testing is the very foundation of development—essential for ensuring that code is consumable, complete, and correct. Bootstrap an elementary Java EE project from start to finish before diving into the full-example application, GeekSeek Use both relational and NoSQL storage models to build and test GeekSeek ' s data persistence layers Tackle testable business logic development and asynchronous messaging with an SMTP service Expose enterprise services as a RESTful interface, using Java EE ' s JAX-RS framework Implement OAuth authentication with JBoss ' s PicketLink identity management service Validate the UI by automating interaction in the browser and reading the rendered page Perform full-scale integration testing on the final deployable archive

Java EE 7 Development with WildFly Aug 20 2023 If you are a Java developer who wants to learn about Java EE, this is the book for you. It's also ideal for developers who already have experience with the Java EE platform but would like to learn more about the new Java EE 7 features by analyzing fully functional sample applications using the new application server WildFly.

Beginning JBoss Seam Jan 21 2021 Reacting to the popularity of Java 2.0 Enterprise Edition™ alternatives such as Ruby on Rails and the enterprise Spring Framework, Red Hat JBoss®, Inc. developed JBoss® Seam, a new open-source lightweight Java™ EE 5-based contextual application development framework. Beginning JBoss® Seam: From Novice to Professional gets you started as the first book on this popular framework.

OpenShift for Developers Jan 01 2022 Keen to build web applications for the cloud? Get a quick hands-on introduction to OpenShift, the open source Platform as a Service (PaaS) offering from Red Hat. With this practical guide, you ' ll learn the steps necessary to build, deploy, and host a complete real-world application on OpenShift without having to slog through long, detailed explanations of the technologies involved. OpenShift enables you to use Docker application containers and the Kubernetes cluster manager to automate the way you create, ship, and run applications. Through the course of the book, you ' ll learn how to use OpenShift and the Wildfly application server to build and then immediately deploy a Java application online. Learn about OpenShift ' s core technology, including Docker-based containers and Kubernetes Use a virtual machine with OpenShift installed and configured on your local environment Create and deploy your first application on the OpenShift platform Add language runtime dependencies and connect to a database Trigger an automatic rebuild and redeployment when you push changes to the repository Get a working environment up in minutes with application templates Use commands to check and debug your application Create and build Docker-based images for your application

WildFly Performance Tuning Oct 30 2021 Packed with practical examples, this book looks at a different aspect of performance tuning in each chapter and shows you how to apply them to their existing Java applications. Anyone with an interest in learning more and improving the performance of Java-based technology in general, all the way to WildFly in particular, will find this book useful.

Mastering Java EE Development with WildFly May 17 2023 Your one stop solution to create highly scalable enterprise grade Java applications with WildFly. About This Book Master Java EE development with the latest WildFly 10 application server. Integrate with JSF and JMS and use efficient

load balancing techniques to create real-time apps Integrate your backend JavaScript code seamlessly into Java applications Who This Book Is For If you are a Java developer with at least basic knowledge of Java EE, then this book is for you. No previous knowledge of WildFly is required. What You Will Learn Configure the development environment along with native and cloud installation of WildFly Write a DB schema and the relative entities and how to use the relationships between the entities Analyze with examples all the java annotations to manage the EJB and the configuration to get better performances Write different REST services through the EJB Implement Web sockets 1.0 and know why and when use the web sockets Work with Active MQ and write JMS clients to manage the authentication and authorization in the clients Configure the mail server through the wildfly console Learn how and when to use a new feature JAX-RS 2.0, which is the asynchronous call through REST Use the new JSF features of Wildfly 10 such as Mojarra 2.2, JSF 2.2, Richfaces 4.5 In Detail Packed with rich assets and APIs, Wildfly 10 allows you to create state-of-the-art Java applications. This book will help you take your understanding of Java EE to the next level by creating distributed Java applications using Wildfly. The book begins by showing how to get started with a native installation of WildFly and it ends with a cloud installation. After setting up the development environment, you will implement and work with different WildFly features, such as implementing JavaServer Pages. You will also learn how you can use clustering so that your apps can handle a high volume of data traffic. You will also work with enterprise JavaBeans, solve issues related to failover, and implement Java Message Service integration. Moving ahead, you will be working with Java Naming and Directory Interface, Java Transaction API, and use ActiveMQ for message relay and message querying. This book will also show you how you can use your existing backend JavaScript code in your application. By the end of the book, you'll have gained the knowledge to implement the latest Wildfly features in your Java applications. Style and approach Each part of this book shows you how to use different features of WildFly 10 to create enterprise grade Java applications as easily as possible.

JBoss at Work: A Practical Guide May 05 2022 Consisting of a number of well-known open source products, JBoss is more a family of interrelated

services than a single monolithic application. But, as with any tool that's as feature-rich as JBoss, there are number of pitfalls and complexities, too. Most developers struggle with the same issues when deploying J2EE applications on JBoss: they have trouble getting the many J2EE and JBoss deployment descriptors to work together; they have difficulty finding out how to get started; their projects don't have a packaging and deployment strategy that grows with the application; or, they find the Class Loaders confusing and don't know how to use them, which can cause problems. JBoss at Work: A Practical Guide helps developers overcome these challenges. As you work through the book, you'll build a project using extensive code examples. You'll delve into all the major facets of J2EE application deployment on JBoss, including JSPs, Servlets, EJBs, JMS, JNDI, web services, JavaMail, JDBC, and Hibernate. With the help of this book, you'll:

- Implement a full J2EE application and deploy it on JBoss
- Discover how to use the latest features of JBoss 4 and J2EE 1.4, including J2EE-compliant web services
- Master J2EE application deployment on JBoss with EARs, WARs, and EJB JARs
- Understand the core J2EE deployment descriptors and how they integrate with JBoss-specific descriptors
- Base your security strategy on JAAS

Written for Java developers who want to use JBoss on their projects, the book covers the gamut of deploying J2EE technologies on JBoss, providing a brief survey of each subject aimed at the working professional with limited time. If you're one of the legions of developers who have decided to give JBoss a try, then JBoss at Work: A Practical Guide is your next logical purchase. It'll show you in plain language how to use the fastest growing open source tool in the industry today. If you've worked with JBoss before, this book will get you up to speed on JBoss 4, JBoss WS (web services), and Hibernate 3.

WildFly Administration Guide Jul 07 2022 WildFly is the most popular open-source Java application server. This book is the an in-depth guide, (updated December 2022) to the administration and management of the of the application server. Covers all the latest architectural and management changes such as:

- Jakarta EE 10 updates to the server configuration
- How to achieve High Availability of your Domain Configuration
- Best tips to supercharge the Command Line Interface
- Using the Undertow Web server as front-end for mod_cluster and as Reverse Proxy Server
- Provision standard and custom

server distributions using the Galleon tool - Configuring the Apache Artemis MQ Messaging system - Advanced security configuration using Elytron - How to manage the Secure Socket Layer - Running WildFly on the cloud on the top of Openshift - Learn how to leverage the Eclipse MicroProfiles configurations ...and much more! Who this book is for: This book is especially suited for Java system administrators that are going to manage the new release of the application server. Developers and application testers will be as well more productive after learning this book. Prior knowledge of the earlier version of the application server is not required, although that could make easier to understand some core concepts contained in this book.

Wildfly Aug 28 2021 This book is an easy-to-follow guide full of hands-on examples of administration tasks and valuable information about security. Each topic is explained and placed in context, and for the more inquisitive readers, there are more in-depth details of the concepts used. If you are an application server administrator or a Java developer with some experience with previous versions of JBoss AS and you want to familiarize yourself with WildFly, then this book is ideal for you.

- [Java EE 7 Development With WildFly](#)
- [Hands On Cloud Development With WildFly](#)
- [Advanced Java Ee Development With Wildfly](#)
- [Mastering Java EE Development With WildFly](#)
- [Advanced Javar Ee Development With Wildflyr](#)
- [WildFly Configuration Deployment And Administration Second Edition](#)
- [Practical Enterprise Application Development](#)
- [JBoss Developers Guide](#)
- [WildFly Configuration Deployment And Administration Second](#)

Edition

- [WildFly Administration Guide](#)
- [WildFly New Features](#)
- [Wildfly New Features](#)
- [WildFly Cookbook](#)
- [WildFly Administration Guide](#)
- [JBoss AS 7 Development](#)
- [JBoss At Work A Practical Guide](#)
- [JBoss In Action](#)
- [JBoss AS 7 Development](#)
- [Mastering JBoss Enterprise Application Platform 7](#)
- [OpenShift For Developers](#)
- [WildFly Performance Tuning](#)
- [WildFly Performance Tuning](#)
- [JBoss](#)
- [Wildfly](#)
- [Continuous Enterprise Development In Java](#)
- [Docker And Kubernetes For Java Developers](#)
- [Jboss Weld CDI For Java Platform](#)
- [Java EE 8 Development With Eclipse](#)
- [Java EE 8 Application Development](#)
- [Developing Web Applications With Oracle ADF Essentials](#)
- [Beginning JBoss Seam](#)
- [Java EE 8 Design Patterns And Best Practices](#)
- [Quarkus Cookbook](#)
- [Hands On Enterprise Java Microservices With Eclipse MicroProfile](#)
- [JBoss AS 5 Performance Tuning](#)
- [Eclipse TEA Revealed](#)
- [Jakarta EE Cookbook](#)
- [Enterprise JavaBeans 31](#)
- [Understanding Quarkus](#)
- [Java EE 8 Cookbook](#)