

Java Ee 7 Development With Netbeans 8 Heffelfinger David R

Java EE 7 Development with NetBeans 8Packt Publishing Ltd

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.

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

Bookmark File PDF Java Ee 7 Development With Netbeans 8 Heffelfinger David R

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

A hands-on practical guide disclosing all areas of Java EE 8 development on the newest WildFly application server. Covers everything from the foundation components (EJB, Servlets, CDI, JPA) to the new technology stack defined in Java Enterprise Edition 7 hence including the new Batch API, JSON-P Api, the Concurrency API, Web Sockets, the JMS 2.0 API, the core Web services stack (JAX-WS, JAX-RS). The testing area with Arquillian framework and the Security API complete the list of topics discussed in the book.

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

Bookmark File PDF Java Ee 7 Development With Netbeans 8 Heffelfinger David R

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

Bookmark File PDF Java Ee 7 Development With Netbeans 8 Heffelfinger David R

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

Java EE Development with Eclipse - Second Edition

Java EE 7: The Big Picture

Advanced Topics

The Java EE 6 Tutorial

The Complete Guide to Installing and Configuring the GlassFish Application Server and Developing Java EE 5 Applications to be Deployed to this Server

Professional Java EE Design Patterns

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

The book aims to speed up the reader in Java EE 5 development. All major Java EE 5 APIs and the details of the GlassFish server are covered followed by examples of its use. This book is aimed at Java developers wishing to become proficient with Java EE 5, who are expected to

have some experience with Java and to have developed and deployed applications in the past, but need no previous knowledge of Java EE or J2EE. It teaches the reader how to use GlassFish to develop and deploy applications. A hands-on practical guide disclosing all areas of Enterprise development, covering details about Jakarta EE with lots of examples to be run on the full distribution of WildFly application server or using WildFly Bootable Jar as a Microservice. The first part of the book covers everything from the foundation components (EJB, Servlets, CDI, JPA) to the new technology stack defined in Java Enterprise Edition (now Jakarta EE 8), including the new Batch API, JSON-P API, the Concurrency API, Web Sockets, the JMS 2.0 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 8 runtimes (WildFly 21) and Jakarta EE 9 (WildFly 22 or newer). 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 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 Jakarta EE and MicroProfile API - How to set up your development environment to build Enterprise applications and Microservices on the top of WildFly. - How to use Maven plugin to simplify your project scaffolding - Learning the foundation components that constitute the backbone of your applications: EJB, CDI, JPA, JAX-RS, JAX-WS - Learn how to build loosely coupled applications using the straightforward JMS 2.0 API - Learn 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 for your tasks. - Secure 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.

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.

Java EE 7 First Look

Beginning EJB in Java EE 8

Create modern RESTful web services with the Java EE 8 API

Java EE and HTML5 Enterprise Application Development

The Big Picture

Develop Professional Applications in Java EE 7

with this Essential Reference Guide

The book is aimed at Java developers who wish to develop Java EE applications while taking advantage of NetBeans functionality to automate repetitive tasks. Familiarity with NetBeans or Java EE is not assumed. 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.

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

specificationsWho This Book Is ForIf 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 APIIn DetailJava 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.

While containers, microservices, and distributed systems dominate discussions in the tech world, the majority of applications in use today still run monolithic architectures that follow traditional development processes. This practical book helps developers examine long-established Java-based models and demonstrates how to bring these monolithic applications successfully into the future. Relying on their years of experience modernizing applications, authors Markus Eisele and Natale Vinto walk you through the steps necessary to update your organization's Java applications.

You'll discover how to dismantle your monolithic application and move to an up-to-date software stack that works across cloud and on-premises installations. Learn cloud native application basics to understand what parts of your organization's Java-based applications and platforms need to migrate and modernize Understand how enterprise Java specifications can help you transition projects and teams Build a cloud native platform that supports effective development without falling into buzzword traps Find a starting point for your migration projects by identifying candidates and staging them through modernization steps Discover how to complement a traditional enterprise Java application with components on top of containers and Kubernetes

Provides example programs and their source code to explore concepts and technologies including Enterprise JavaBeans, JavaServer Pages, Java Message Service, and Java Naming and Directory Interface.

Practical Enterprise Application Development

Introducing Java EE 7

Develop, test, and troubleshoot Java Enterprise applications rapidly with Eclipse, 3rd Edition

Beginning Jakarta EE

Java EE 7 Development with NetBeans 8

Java EE 8 Development with Eclipse

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. Develop, debug, test, and troubleshoot Java EE 7 applications rapidly with Eclipse About This Book- Go beyond simply learning Java EE APIs and explore the complete workflow of developing enterprise Java applications- Learn to use the features of Eclipse JEE to simplify Java EE application development- Develop and deploy complete applications with JEE Who This Book Is For If you are a Java developer who has little or no experience in JEE application development or you have experience in JEE technology but are looking for tips to simplify and accelerate your development process, then this book is for you. What You Will Learn- Set up Eclipse, Tomcat, and Glassfish server for JEE application development- Use JSP, Servlet, JSF, and EJBs to create a user interface and write business logic- Create JEE database applications using JDBC and JPA- Handle asynchronous messages using MDBs for better scalability- Deploy and debug JEE applications and create SOAP and REST web services- Write unit tests and calculate code coverage- Troubleshoot application performance and memory issues In Detail Java EE is a technology for developing enterprise class, scalable applications. With recent changes to Java EE specifications, JEE application development has become a lot simpler. However, recent changes have also added many new specifications, some of which compete with existing JEE specification. Along with JEE specifications and APIs, it is also very important to understand the entire application

development process and tools that can help simplify and accelerate JEE application development. This guide provides a complete overview of developing JEE applications using Eclipse. The many features of the Eclipse IDE are explained. These enable the rapid development, debugging, testing, and deployment of JEE applications. You'll explore not just different JEE technologies and how to use them (JSP, JSF, JPA, JDBC, EJB, web services etc.), but also suitable technologies for different scenarios. The book starts with how to set up the development environment for JEE applications and then goes on to describe many JEE specifications in detail, with an emphasis on examples. You'll learn how to deploy an example application on Tomcat and Glassfish Application Server. You'll create a simple application that reads from a queue, processes the request, and publishes results to a topic and Eclipse MAT (Memory Analysis Tool) to debug memory issues. Style and approach This guide takes a step-by-step approach to developing, testing, debugging, and troubleshooting JEE applications, complete with examples and tips.

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.

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.

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

**Java EE Development with Eclipse
Certification Guide**

Java EE 7 Developer Handbook

A Look at What's New

Java 7 Pocket Guide

Java EE 7 Edition

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 This book guides you through the new features and enhancements in each of the technologies comprising the Java EE platform. It appeals to a large base of Java EE 6 programmers who are highly motivated to migrate to the newly-released, Java EE 7 platform.

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.

The Java EE 7 Tutorial: Volume 1, 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 platform basics,
including resource creation, resource
injection, and packaging. It covers JavaServer
Faces, Java Servlets, the Java API for
WebSocket, the Java API for JSON Processing
(JSON-P), internationalization and
localization, Bean Validation, Contexts and
Dependency Injection for Java EE (CDI), and
web services (JAX-WS and JAX-RS).

Develop professional enterprise Java EE applications quickly and easily with this popular IDE

Java EE 6 Development with Netbeans 7 Building Applications with Enterprise JavaBeans

Java EE Development with NetBeans 7

Mastering Java EE Development with WildFly

Practical Java EE Development on WildFly

The J2EE Tutorial

Master the Java EE 8 and JSF (JavaServer Faces) APIs and web framework with this practical, projects-driven guide to web development. This book combines theoretical background with a practical approach by building four real-world applications. By developing these JSF web applications, you'll take a tour through the other Java EE technologies such as JPA, CDI, Security, WebSockets, and more. In Practical JSF in Java EE 8, you will learn to use the JavaServer Faces web framework in Java EE 8 to easily construct a web-based user interface from a set of reusable components. Next, you add JSF event handling and then link to a database, persist data, and add security and the other bells and whistles that the Java EE 8 platform has to offer. After reading this book you will have a good foundation in Java-based web development and will have increased your proficiency in sophisticated Java EE 8 web development using the JSF framework. What You Will Learn Use the Java EE 8 and the JavaServer Faces APIs to build Java-based web applications through four

Bookmark File PDF Java Ee 7 Development With Netbeans 8 Heffelfinger David R

practical real-world case studies Process user input with JSF and the expression language by building a calculator application Persist data using JSF templating and Java Persistence to manage an inventory of books Create and manage an alumni database using JSF, Ajax, web services and Java EE 8's security features. Who This Book Is For Those new to Java EE 8 and JSF. Some prior experience with Java is recommended.

Java EE 7 Handbook is an example based tutorial with descriptions and explanations. "Java EE 7 Handbook" is for the developer, designer, and architect aiming to get acquainted with the Java EE platform in its newest edition. This guide will enhance your knowledge about the Java EE 7 platform. Whether you are a long-term Java EE (J2EE) developer or an intermediate level engineer on the JVM with just Java SE behind you, this handbook is for you, the new contemporary Java EE 7 developer!

Introducing Java EE 7: A Look at What's New guides you through the new features and enhancements in each of the technologies comprising the Java EE platform. Readers of this book will not have to wade through introductory material or information covering features that have been part of the EE platform for years. Instead, developers can pick this book up and read it to brush up on those features that have changed or have been added for the EE 7 release. This handy reference helps you move forward from Java EE 6 to the new EE 7 platform quickly and easily. Java is a mature programming language that has been refined over the years into a productive language widely used in

Bookmark File PDF Java Ee 7 Development With Netbeans 8 Heffelfinger David R

enterprise application development. Although the language contains frameworks and methodologies that have been used for years, it is important to make use of the most current features available in the language in order to achieve the best results. Introducing Java EE 7: A Look at What's New covers the solutions using the most current Java Enterprise technologies, including EJB 3.2, JSF 2.2, and JAX-RS 2.0. Build a streamlined and reliable application that uses the latest in Java technologies, and develop it much faster than you did with the older technologies. 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 technologies available for application development today. Get up and running quickly with the new features of EE 7! Designed to get you up and running quickly with the newly released Java EE 7 Includes real world examples of how to use new and updated features. Demonstrates the latest productivity enhancements in the platform

Learn the fundamentals of Java EE 8 APIs to build effective web services Key Features Design modern and stylish web services with Java EE APIs Secure your web services with JSON Web Tokens Explore the advanced concepts of RESTful web services and the JAX-RS API Book Description Java Enterprise Edition is one of the leading application programming platforms for enterprise Java development. With Java EE 8 finally released and the first application servers now available, it is time to take a closer look at how to develop modern and

Bookmark File PDF Java Ee 7 Development With Netbeans 8 Heffelfinger David R

lightweight web services with the latest API additions and improvements. Building RESTful Web Services with Java EE 8 is a comprehensive guide that will show you how to develop state-of-the-art RESTful web services with the latest Java EE 8 APIs. You will begin with an overview of Java EE 8 and the latest API additions and improvements. You will then delve into the details of implementing synchronous RESTful web services and clients with JAX-RS. Next up, you will learn about the specifics of data binding and content marshalling using the JSON-B 1.0 and JSON-P 1.1 APIs. This book also guides you in leveraging the power of asynchronous APIs on the server and client side, and you will learn to use server-sent events (SSEs) for push communication. The final section covers advanced web service topics such as validation, JWT security, and diagnosability. By the end of this book, you will have implemented several working web services and have a thorough understanding of the Java EE 8 APIs required for lightweight web service development. What you will learn Dive into the latest Java EE 8 APIs relevant for developing web services Use the new JSON-B APIs for easy data binding Understand how JSON-P API can be used for flexible processing Implement synchronous and asynchronous JAX-RS clients Use server-sent events to implement server-side code Secure Java EE 8 web services with JSON Web Tokens Who this book is for If you're a Java developer who wants to learn how to implement web services using the latest Java EE 8 APIs, this book is for you. Though no prior knowledge of Java EE 8 is required, experience with a previous Java EE

version will be beneficial.

This book is step-by-step tutorial guide and a background reference for developing applications with Oracle WebLogic Server and Oracle database, the most used application server and database for enterprise applications. This book is for professional Java EE developers. The book is also suitable for an intermediate/advanced course in Java development with Eclipse IDE. Some knowledge of the Java EE technologies and frameworks EJB, JSF, JAXB, JAX-WS, JAX-RS, Ajax, and Spring is required.

Java EE 7 Recipes

Practical JSF in Java EE 8

Building RESTful Web Services with Java EE 8

The Java EE 7 Tutorial

Beginning Java EE 7

Oracle Certified Master, Java Enterprise Architect Java EE 7 Certification Guide is a practical hands on guide for those looking to achieve the Master certification. It deals with the different technological aspects necessary to prop up the understanding of the aspirants and help them achieve a rich conceptual understanding of the latest Java Platform, Enterprise Edition. It enhances their exam readiness by focusing on the most important categories defined by certification program at Oracle. The

contents cater to the following categories recommended by Oracle in detail with specific references to the different parts of the exams: Architectural fundamentals Web tier components Business tier components Web services Messaging and integration Security Architectural artifacts Design and architectural Patterns The book is replete with examples and references to functional and non-functional aspects of using enterprise Java platform for application development. Detailed information on each of the major aspects of the certification examination is covered , including conceptual explanations, examples, code snippets, comparisons with the alternative technologies, communications, protocols, etc. The book is accompanied by additional resources available on the source code site, which cover the most up-to-date information on all aspects of the certification examination, including FAQ, mock tests with answers, and some additional tests for preparation. What you'll learn Core aspects of technologies, specifications, communication protocols, libraries and APIs involved in Java EE

technology. Selecting security technology at different layers of architecture.

Understanding GOF and J2EE patterns and applying them given a situation Who this book is for Java EE 7 certification aspirants, senior Java application developers, web application developers, and Java architects. The book also will help Java enthusiasts at various levels to understand technologies at conceptual as well as application level. Students of computer science and information technology at the post-graduate level will also be able to understand and appreciate the technology of Java Enterprise Edition.

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***

***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 When you need quick answers for developing or debugging Java programs, this pocket guide provides a handy reference to the standard features of the Java programming language and its platform. You'll find helpful programming examples, tables, figures, and lists, as well as supplemental information about topics including the Java Scripting API, third-party tools, and the basics of the Unified Modeling Language (UML). Updated for new features through Java SE 7, this little book is an ideal companion, whether you're in the office, in the lab, or on the

road. Quickly find Java language details, such as naming conventions, fundamental types, and object-oriented programming elements Get details on the Java SE 7 platform, including development basics, memory management, concurrency, and generics Browse through basic information on NIO 2.0, the G1 Garbage Collector, and Project Coin (JSR-334) features Get supplemental references to development, CM, and test tools; libraries; IDEs; and Java-related scripting languages Find information to help you prepare for the Oracle Certified Associate Java SE 7 Programmer I exam 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. Web Applications in Java for the Enterprise

***Oracle Certified Master Java Enterprise
Architect Java EE 7***

***Develop Professional Enterprise Java EE
Applications Quickly and Easily with this
Popular IDE***

Beginning EJB 3

***Build reliable applications with the most
robust and mature technology for
enterprise development***

A Problem-Solution Approach

**"The video course is aimed at Java
developers who wish to develop Java EE
applications while taking advantage of
NetBeans functionality to automate
repetitive tasks and to ease their
software development efforts. Familiarity
with NetBeans or Java EE is not assumed,
however, knowledge of the Java language
is assumed. Packt video courses are
designed to cover the breadth of the
topic in short, hands-on, task-based
videos. Each course is divided into short
manageable sections, so you can watch
the whole thing or jump to the bit you
need. The focus is on practical
instructions and screencasts showing you
how to get the job done. Java EE
Development with NetBeans 7 is a
practical course explaining the various**

features of the NetBeans IDE related to enterprise application development."--Resource description page.

Develop powerful, standards-based, back-end business logic with Beginning EJB 3, Java EE 7 Edition. Led by an author team with 20 years of combined Enterprise JavaBeans experience, you'll learn how to use the new EJB 3.2 APIs. You'll gain the knowledge and skills you'll need to create the complex enterprise applications that run today's transactions and more. Targeted at Java and Java EE developers, with and without prior EJB experience, Beginning EJB 3 is packed with practical insights, strategy tips, and code examples. As each chapter unfolds, you'll not only explore a new area of the spec; you'll also see how you can apply it to your own applications through specific examples. Beginning EJB 3 will serve not only as a reference, but it will also function 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 7 development to the next level.

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. 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
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.

Java EE 6 Pocket Guide

Quickstart guide for developing, deploying and securing Java EE applications on WildFly application server

Java EE 8 Cookbook

Develop Enterprise applications using the latest versions of CDI, JAX-RS, JSON-B, JPA, Security, and more

Java EE 7 Development with WildFly

Java EE 7 Essentials

Annotation NetBeans has several features that greatly simplify Java EE development, but with many features and great flexibility, Java developers can become overwhelmed by the options available in NetBeans. This book provides step-by-step recipes that show you how to take control of the environment and make use of these features to make your enterprise Java application development more efficient and productive than ever before, so that you can concentrate on the important parts of your application. Java EE 6 Development with NetBeans 7 takes you through the most important parts of Java EE programming and shows you how to use the features of NetBeans that will improve your development experience with clear, careful instructions and screenshots. It will show you how to use NetBeans functionality to automate many of the tedious or repetitive tasks frequently encountered when developing enterprise Java applications, freeing you up to focus on the business logic specific parts of the application. As well as

Bookmark File PDF Java Ee 7 Development With Netbeans 8 Heffelfinger David R

showing you time-saving tricks, keyboard shortcuts, and other productivity enhancements possible with NetBeans, it will take you through the major Java EE APIs and how to get them working in the NetBeans environment. While focusing on NetBeans features, you will learn about developing applications using the servlet API and JSPs, including taking advantage of JSTL and developing custom JSP tags. Developing applications that take advantage of JavaServer Faces is also covered in detail, including how to generate standard JSF applications from an existing database schema. The book also covers how to easily develop elegant JSF applications by taking advantage of the PrimeFaces JSF 2.0 component library that is bundled with NetBeans. A practical guide covering how to leverage NetBeans 7 functionality to develop enterprise applications compliant with the Java EE 6 standard

What you will learn from this book :

- Develop Java web applications by leveraging NetBeans functionality
- Build standard JSF applications by taking advantage of NetBeans features
- Integrate NetBeans with third-party RDBMS
- Develop JavaServer Pages (JSPs) to display both static and dynamic content in a web browser
- Develop aesthetically pleasing JSF web applications by leveraging the PrimeFaces JSF 2.0 component library
- Quickly and easily develop applications taking advantage of the Java Persistence API
- Implement the Model-View-Controller design pattern by using JavaBeans as the model component
- Take advantage of NetBeans functionality to easily develop Enterprise JavaBeans, including configuring transaction management via annotations
- Use static and dynamic navigation to define navigation between pages
- Utilize NetBeans to easily add messaging functionality to enterprise applications, through the Java Messaging Service API and through message-driven EJBs
- Develop SOAP-based and RESTful web services using NetBeans, including exposing EJB functionality as web services

Approach The book is a practical guide explaining the various features of the NetBeans IDE related to enterprise application development. Who this book is written for The book is

Bookmark File PDF Java Ee 7 Development With Netbeans 8 Heffelfinger David R

aimed at Java developers who wish to develop Java EE applications while taking advantage of NetBeans functionality to automate repetitive tasks and to ease their software development efforts.

Familiarity with NetBeans or Java EE is not assumed.

Java EE 5 Development Using GlassFish Application Server

Enterprise Developer Handbook

Modernizing Enterprise Java

Enterprise Edition for Java: From Novice to Professional

Java EE 8 Application Development

Java EE 5 Development with NetBeans 6