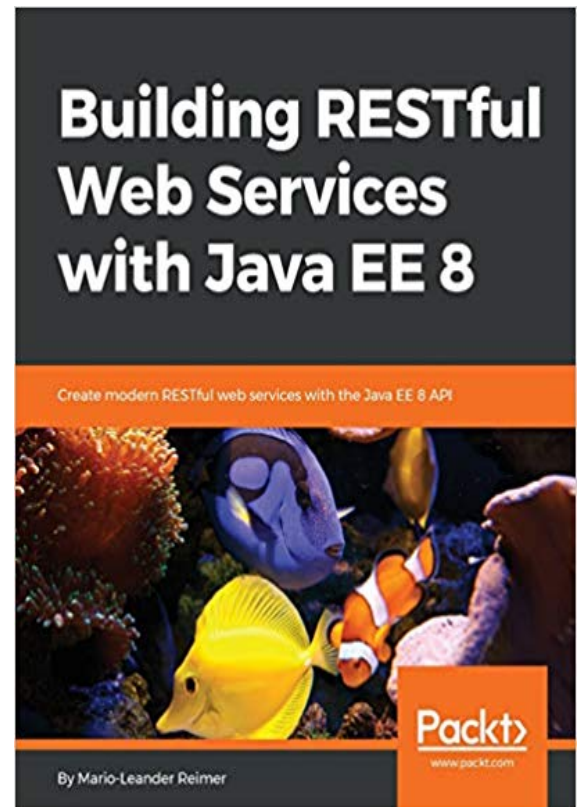


Building RESTful Web Services with Java EE 8 Pdf

Book Details

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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 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.