# RESTful Web Services with Dropwizard

*By Alexandros Dallas*

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**RESTful Web Services with Dropwizard** By Alexandros Dallas

**Over 20 recipes to help you build highperformance, productionready RESTful JVMbased backend services**

## About This Book

- Learn how to build and test your own high-performance Web Service application
- Know more about creating and serving custom database content with Web Services
- Gain insight on how to secure your Web Service

## Who This Book Is For

If you are a software engineer or a web developer and want to learn more about building your own Web Service application, then this is the book for you. Basic knowledge of Java and RESTful Web Service concepts is assumed and familiarity with SQL/MySQL and command-line scripting would be helpful.

## What You Will Learn

- Build a sample Web Service application powered by Jersey
- Configure your application and externalize your configuration settings
- Use jDBI to interact with databases
- Validate Web Service requests
- Build Web Service clients
- Add runtime health checks to ensure your application's optimal performance
- Ensure your application's stability by creating unit tests using the Dropwizard testing modules

## In Detail

The RESTful Web Services concept is constantly growing compared to SOAP technologies. Used by many API providers, RESTful has started to become the architecture of choice for the enterprise SOA as well. Dropwizard combines everything needed to create production ready RESTful Web Services, combining

the most powerful, stable and well-known RESTful Java-based libraries.

This practical guide will help you learn how to create, configure, and implement a dynamic Web Service application by showcasing practical examples using the most important modules of Dropwizard and combining them together.

Starting from using Maven to create an empty default Java application to deploying a production-ready scalable Web Service application, this book demonstrates the capabilities of Dropwizard and the advantages of using it.

Discover how to use Jersey to create rest resources, and add them to Dropwizard's bootstrapped environment so they can be served by its embedded Jetty server. Learn how to combine and utilize the Database. Understand more about Configuration, Testing and Monitoring libraries to create a Web Service application in a step-by-step manner using solid examples. Also gain insight on how to secure your Web Services and validate incoming requests with minimum effort.

This book is an invaluable asset to anyone who wants to create a RESTful Web Service application with the combined libraries of Dropwizard.

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