Mastering Clojure

Akhil Wali

Click here if your download doesn"t start automatically

Mastering Clojure

Akhil Wali

Mastering Clojure Akhil Wali

Key Features

- Learn to handle data using sequences, reducers, and transducers in Clojure
- Explore the lesser known and more advanced features, constructs, and methodologies of the Clojure language and its ecosystem, such as asynchronous channels, actors, logic programming, and reactive programming
- Sharpen your Clojure skills through illustrative and comprehensive examples

Book Description

Clojure is a general-purpose language from the Lisp family with an emphasis on functional programming. It has some interesting concepts and features such as immutability, gradual typing, thread-safe concurrency primitives, and macro-based metaprogramming, which makes it a great choice to create modern, performant, and scalable applications.

Mastering Clojure gives you an insight into the nitty-gritty details and more advanced features of the Clojure programming language to create more scalable, maintainable, and elegant applications. You'll start off by learning the details of sequences, concurrency primitives, and macros. Packed with a lot of examples, you'll get a walkthrough on orchestrating concurrency and parallelism, which will help you understand Clojure reducers, and we'll walk through composing transducers so you know about functional composition and process transformation inside out. We also explain how reducers and transducers can be used to handle data in a more performant manner.

Later on, we describe how Clojure also supports other programming paradigms such as pure functional programming and logic programming. Furthermore, you'll level up your skills by taking advantage of Clojure's powerful macro system. Parallel, asynchronous, and reactive programming techniques are also described in detail.

Lastly, we'll show you how to test and troubleshoot your code to speed up your development cycles and allow you to deploy the code faster.

What you will learn

- Maximize the impact of parallelization, functional composition, and process transformation by composing reducers and transducers
- Process and manipulate data using sequences, reducers, and transducers in Clojure
- Modify and add features to the Clojure language using macros
- Explore the features of category theory and custom data sources for logic programming in Clojure
- Orchestrate parallelism and concurrency using built-in primitives as well as community libraries in Clojure
- Handle data with asynchronous and reactive programming methodologies and leverage it using the core.async library
- Test your code with unit tests, specs, and type checks to write testable code
- Troubleshoot and style your Clojure code to make it more maintainable

About the Author

Akhil Wali is a software developer. He has been writing code as a hobbyist since 1997 and professionally since 2010. He completed his post graduation from Santa Clara University in 2010, and he graduated from Visvesvaraya Technological University in 2008. His areas of work include business intelligence systems, ERP systems, search engines, and document collaboration tools. He mostly works with Clojure, JavaScript, and C#. Apart from computers, his interests include soccer, guitar solos, and finding out more about the universe.

Table of Contents

⬇ **Download** Mastering Clojure ...pdf

▤ **Read Online** Mastering Clojure ...pdf

Download and Read Free Online Mastering Clojure Akhil Wali

From reader reviews:

Bobby Bagwell:

Do you have favorite book? For those who have, what is your favorite's book? Publication is very important thing for us to find out everything in the world. Each guide has different aim or perhaps goal; it means that e-book has different type. Some people feel enjoy to spend their time to read a book. They may be reading whatever they have because their hobby will be reading a book. Why not the person who don't like reading through a book? Sometime, man feel need book if they found difficult problem or maybe exercise. Well, probably you will need this Mastering Clojure.

Gerald James:

Nowadays reading books become more and more than want or need but also become a life style. This reading addiction give you lot of advantages. The huge benefits you got of course the knowledge the particular information inside the book which improve your knowledge and information. The data you get based on what kind of e-book you read, if you want send more knowledge just go with knowledge books but if you want feel happy read one with theme for entertaining including comic or novel. Often the Mastering Clojure is kind of book which is giving the reader erratic experience.

Nora Mickey:

Spent a free time for you to be fun activity to try and do! A lot of people spent their free time with their family, or all their friends. Usually they accomplishing activity like watching television, gonna beach, or picnic in the park. They actually doing same thing every week. Do you feel it? Would you like to something different to fill your own free time/ holiday? May be reading a book is usually option to fill your free time/ holiday. The first thing you ask may be what kinds of guide that you should read. If you want to test look for book, may be the e-book untitled Mastering Clojure can be fine book to read. May be it can be best activity to you.

Robert Murphy:

A lot of reserve has printed but it takes a different approach. You can get it by internet on social media. You can choose the most effective book for you, science, amusing, novel, or whatever by means of searching from it. It is known as of book Mastering Clojure. You can include your knowledge by it. Without leaving the printed book, it could add your knowledge and make you actually happier to read. It is most essential that, you must aware about reserve. It can bring you from one destination for a other place.

Download and Read Online Mastering Clojure Akhil Wali #XJ4W1MBPF3Z

Read Mastering Clojure by Akhil Wali for online ebook

Mastering Clojure by Akhil Wali Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Mastering Clojure by Akhil Wali books to read online.

Online Mastering Clojure by Akhil Wali ebook PDF download

Mastering Clojure by Akhil Wali Doc

Mastering Clojure by Akhil Wali Mobipocket

Mastering Clojure by Akhil Wali EPub