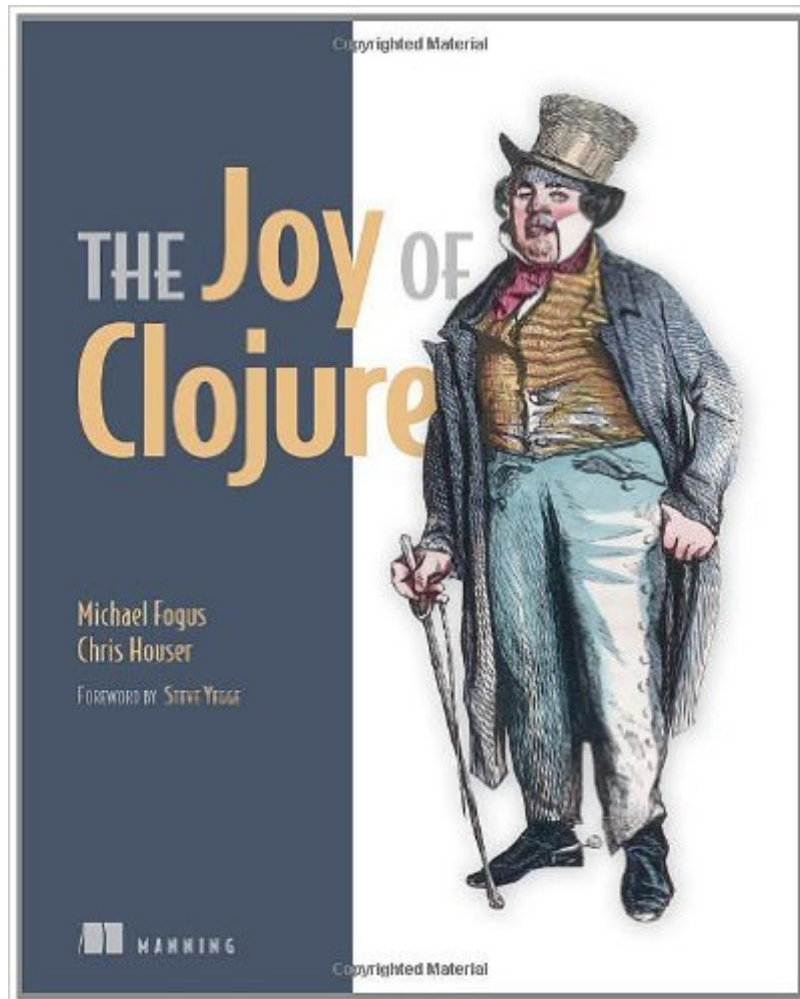


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# The Joy Of Clojure: Thinking The Clojure Way



## Synopsis

About the Book If you've seen how dozens of lines of Java or Ruby can dissolve into just a few lines of Clojure, you'll know why the authors of this book call it a "joyful language." Clojure is a dialect of Lisp that runs on the JVM. It combines the nice features of a scripting language with the powerful features of a production environment—features like persistent data structures and clean multithreading that you'll need for industrial-strength application development. The Joy of Clojure goes beyond just syntax to show you how to write fluent and idiomatic Clojure code. You'll learn a functional approach to programming and will master Lisp techniques that make Clojure so elegant and efficient. The book gives you easy access to hard software areas like concurrency, interoperability, and performance. And it shows you how great it can be to think about problems the Clojure way. 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. What's Inside The what and why of Clojure How to work with macros How to do elegant application design Functional programming idioms Written for programmers coming to Clojure from another programming background—no prior experience with Clojure or Lisp is required.

## Book Information

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## Customer Reviews

Clojure is a language that makes many unique language design decisions. In order to appreciate the thinking behind these decisions, you will need to get good understanding of the Clojure philosophy. Chris and Fogus understand this philosophy like the back of their hands and reading

"The Joy of Clojure" is possibly the fastest way to get up to speed with this exciting and powerful new Lisp dialect. This book covers all the basics you need to know to get started with Clojure: It begins with a thorough explanation of the Clojure syntax and explains how to find your way around "functional programming", a key concept you'll need to be comfortable with to use Clojure effectively. These concepts are all explained with clear examples and with every new command and concept the authors also cover "big picture" topics that help the reader understand the importance of each item and help cement them into the reader's memory. The second half of the book focuses on the pragmatic and advanced topics of the language. In terms of pragmatic topics, you will find detailed descriptions on how to interact with Java (very easy in Clojure) and use this to build a UI app. The authors also cover optimization and the static typing abilities of Clojure in great detail. Another advance topic that "Joy of Clojure" has extensive coverage of is Clojure's insanely powerful multithreaded programming features. Here, you will learn why Clojure's solution to the "multithreaded programming dilemma" might be the best way to write bug-free code that can make full use of a multicore processor. The authors do a great job explaining the "whys" and "hows" of multithreaded programming and tell you everything you need to know to get the performance want out of your processor's cores.

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