Clojure Programming: Practical Lisp for the Java World

By Chas Emerick, Brian Carper, Christophe Grand

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Clojure is a practical, general-purpose language that offers expressivity rivaling other dynamic languages like Ruby and Python, while seamlessly taking advantage of Java libraries, services, and all of the resources of the JVM ecosystem. This book helps you learn the fundamentals of Clojure with examples relating it to the languages you know already, in the domains and topics you work with every day. See how this JVM language can help eliminate unnecessary complexity from your programming practice and open up new options for solving the most challenging problems.

Clojure Programming demonstrates the language's flexibility by showing how it can be used for common tasks like web programming and working with databases, up through more demanding applications that require safe, effective concurrency and parallelism, data analysis, and more. This in-depth look helps tie together the full Clojure development experience, from how to organize your project and an introduction to Clojure build tooling, to a tutorial on how to make the most of Clojure's REPL during development, and how to deploy your finished application in a cloud environment.

- Learn how to use Clojure while leveraging your investment in the Java platform
- Understand the advantages of Clojure as an efficient Lisp for the JVM
- See how Clojure is used today in several practical domains
- Discover how Clojure eliminates the need for many verbose and complicated design patterns
- Deploy large or small web applications to the cloud with Clojure

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- Rank: #525640 in eBooks
- Published on: 2012-03-30
- Released on: 2012-03-30
- Format: Kindle eBook

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Editorial Review

About the Author

Chas Emerick is the founder of Snowtide Informatics, a small software company in Western Massachusetts. Since 2008, he has helped to develop the core Clojure language and many Clojure open source projects. Chas writes about Clojure, software development practices, entrepreneurship, and other passions at cemerick.com.

Brian Carper is a professional programmer in the field of psychological research. He uses Clojure for data analysis and web development. He's the author of a Clojure-to-CSS compiler and relational database library, and writes about Clojure and other topics at http://briancarper.net.

Christophe Grand is an independent consultant, based near Lyon, France. He tutors, trains and codes primarily in Clojure. A participant in developing the core Clojure language, he also authored the Enlive and Moustache libaries and is a contributor to Counterclockwise, the Clojure IDE for Eclipse. Christophe writes on Clojure at clj-me.cgrand.net.

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