

Clojure High Performance Programming Kumar Shantanu

Clojure High Performance Programming

Shantanu Kumar 2015-09-29 Become an expert at writing fast and high performant code in Clojure 1.7.0 Key Features Book

Description Clojure treats code as data and has a macro system. It focuses on programming with immutable values and explicit progression-of-time constructs, which are intended to facilitate the development of more robust programs, particularly multithreaded ones. It is built with performance, pragmatism, and simplicity in mind. Like most general purpose languages, various Clojure features have different performance characteristics that one should know in order to write high performance code. This book shows you how to evaluate the performance implications of various Clojure abstractions, discover their underpinnings, and apply the right approach for optimum performance in real-world programs. It starts by helping you classify various use cases and the need for them with respect to performance and analysis of various performance aspects. You will also learn the performance vocabulary that experts use throughout the world and discover various Clojure data structures, abstractions, and their performance characteristics. Further, the book will guide you through enhancing performance by using Java interoperability and JVM-specific features from Clojure. It also highlights the importance of using the right concurrent data structure and Java concurrency abstractions. This book also sheds light on performance metrics for measuring, how to measure, and how to visualize and monitor the collected data. At the end of the book, you will learn to run a performance profiler, identify bottlenecks, tune performance, and refactor code to get a better performance. What you will learn Who this book is for This book is intended for intermediate Clojure developers who are looking to get a good grip on achieving optimum performance. Having a basic knowledge of Java would be helpful.

Mastering Clojure Macros Colin Jones 2014-08-26 Level up your skills by taking

advantage of Clojure's powerful macro system. Macros make hard things possible and normal things easy. They can be tricky to use, and this book will help you deftly navigate the terrain. You'll discover how to write straightforward code that avoids duplication and clarifies your intentions. You'll learn how and why to write macros. You'll learn to recognize situations when using a macro would (and wouldn't!) be helpful. And you'll use macros to remove unnecessary code and build new language features. Clojure offers some sharp tools in its toolbox, and one of the sharpest is its macro system. This book will help you write macros using Clojure, and more importantly, recognize when you should be using macros in the first place. The Lisp "code-as-data" philosophy gives tremendous advantages to macro authors and users. You can use macros to evaluate code in other contexts, move computations to compile time, and create beautiful API layers. You don't need to wait on the Clojure language itself to add new features, you'll learn how to implement even the lowest-level features as macros. You'll step through representative samples of how to use macros in production libraries and applications, find clear details on how to construct macros, and learn pointers to avoid obstacles that often trip up macro amateurs. Clojure macros are more straightforward to use than metaprogramming features in many other languages, but they're different enough from normal programming to present challenges of their own. Mastering Clojure Macros examines some of these issues, along with alternatives to macros where they exist. By the time you finish this book, you'll be thinking like a macro professional. What You Need: The book examples have been developed under Clojure 1.6.0, although earlier and later versions of Clojure may work as well. You'll want to use Leiningen 2.x in order to follow along with the examples that use external projects.

Programming Clojure Alex Miller 2018-02-23 Drowning in unnecessary complexity, unmanaged state, and tangles of spaghetti code? In the best tradition of Lisp, Clojure gets out of your way so you can focus on expressing simple

solutions to hard problems. Clojure cuts through complexity by providing a set of composable tools--immutable data, functions, macros, and the interactive REPL. Written by members of the Clojure core team, this book is the essential, definitive guide to Clojure. This new edition includes information on all the newest features of Clojure, such as transducers and specs. Clojure joins the flexibility and agility of Lisp with the reach, stability, and performance of Java. Combine Clojure's tools for maximum effectiveness as you work with immutable data, functional programming, and safe concurrency to write programs that solve real-world problems. Start by reading and understanding Clojure syntax and see how Clojure is evaluated. From there, find out about the sequence abstraction, which combines immutable collections with functional programming to create truly reusable data transformation code. Clojure is a functional language; learn how to write programs in a functional style, and when and how to use recursion to your advantage. Discover Clojure's unique approach to state and identity, techniques for polymorphism and open systems using multimethods and protocols, and how to leverage Clojure's metaprogramming capabilities via macros. Finally, put all the pieces together in a real program. New to this edition is coverage of Clojure's spec library, one of the most interesting new features of Clojure for describing both data and functions. You can use Clojure spec to validate data, destructure data, explain invalid data, and generate large numbers of tests to verify the correctness of your code. With this book, you'll learn how to think in Clojure, and how to take advantage of its combined strengths to build powerful programs quickly. What You Need: Java 6 or higher Clojure 1.9

Clojure Data Structures and Algorithms

Cookbook Rafik Naccache 2015-08-19 Key Features Book Description Data-structures and algorithms often cross your path when you compress files, compile programs, access databases, or simply use your favourite text editor. Understanding and implementing them can be daunting. Curious learners and industrial developers can find these complex, especially if they focus on the detailed implementation of these data structures. Clojure is a highly

pragmatic and expressive language with efficient and easy data manipulation capabilities. As such, it is great for implementing these algorithms. By abstracting away a great share of the unnecessary complexity resulting from implementation, Clojure and its contrib libraries will help you address various algorithmic challenges, making your data exploration both profitable and enjoyable. Through 25 recipes, you'll explore advanced algorithms and data-structures, well served by a sound Clojure implementation. This book opens with an exploration of alternative uses of the array data-structure, covering LZ77 compression, drawing fractals using Pascal's triangles, simulating a multi-threaded program execution, and implementing a call-stack winding and unwinding operations. The book elaborates on linked lists, showing you how to construct doubly linked ones, speed up search times over the elements of such structures, use a linked-list as the foundation of a shift-reduce parser, and implement an immutable linked-list using skew binary numbers representation. After that, the tree data-structure is explored, focusing on building self-balancing Splay Trees, designing a B-Tree backing-up an efficient key-value data-store, constructing an undo capable Rope, and showing how Tries can make for an auto-completing facility. Next, some optimization and machine learning techniques are discussed, namely for building a co-occurrence-based recommendation engine, using branch-and-bound to optimize integral cost and profit problems, using Dijkstra's algorithm to determine optimal paths and summarizing texts using the LexRank algorithm. Particular attention is given to logic programming, you will learn to use this to discover interesting relations between social website data, by designing a simple type inferencer for a mini Java-like language, and by building a simple checkers game engine. Asynchronous programming will be addressed and you will design a concurrent web-crawler, an interactive HTML5 game, and an online taxi booking platform. Finally, you'll explore advanced cases for higher order functions in Clojure while implementing a recursive descent parser using efficient mutual recursion, devising a mini reusable firewall simulator thanks to Clojure 1.7 new transducers

feature or building a simple unification engine with the help of Continuation Passing Style. What you will learn Explore alternative uses of classical data structures such as arrays and linked lists Explore advanced machine learning and optimization techniques Utilize the Clojure libraries, such as Instaparse for parsing, core.match for pattern matching, clojure.zip for zippers, and clojure.matrix for matrix operations Learn logic programming through the core.logic library Master asynchronous programming using the core.async library Observe transducers while resolving realworld use cases Who this book is for This book is for intermediate Clojure developers who can read and write in this language quite comfortably. Besides, it is assumed that you have some knowledge of how to set up Clojure projects, include dependencies, how to run REPLs, and so on through Leiningen and Figwheel. No prior awareness of any of the algorithms covered in this book is needed, and, when appropriate, pointers are given to the explanation material about any theory related to them.

The Joy of Clojure Michael Fogus 2011-04-07 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 soft ware 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.

Clojure: High Performance JVM Programming Eduardo Diaz 2017-01-31 Explore the world of lightning fast Clojure apps with asynchronous channels, logic, reactive programming, and more About This Book Discover Clojure's features and advantages and use them in your existing projects Explore lesser-known and more advanced features, constructs, and methodologies such as asynchronous channels, actors, logic programming, and reactive programming Measure and monitor performance, and understand optimization techniques Who This Book Is For If you're looking to learn more about its core libraries and delve into the Clojure language in detail, then this book is ideal for you. Prior knowledge of the Clojure language is required. What You Will Learn Understand tools for the Clojure world and how they relate to Java tools and standards (such as Maven) Write simple multicore programs using Clojure's core concepts, such as atoms, agents, and refs Get to grips with Clojure's concurrency and state-management primitives in depth Analyze latency using the Criterion library Avoid reflection and boxing with type hints Maximize the impact of parallelization, functional composition, and process transformation by composing reducers and transducers Modify and add features to the Clojure language using macros 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 In Detail 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. This learning path aims at unleashing the true potential of the Clojure language so you can use it in your projects. It begins with installing and setting up the Clojure environment before moving on to explore the language in depth. You'll get acquainted with its various features such as functional programming, concurrency,

reducers, transducers, core.async and core.logic, and so on with a great level of detail. Moving on, you'll also learn how to enhance performance using Java interoperability and JVM-specific features from Clojure; you'll even master language features such as asynchronous channels, actors, logic programming, reactive programming, metaprogramming, and so on. This learning path combines some of the best that Packt has to offer in one complete, curated package. It includes content from the following Packt products: Clojure for Java Developers by Eduardo Diaz Clojure High Performance Programming, Second Edition by Shantanu Kumar Mastering Clojure by Akhil Wali Style and approach This is an easy-to-follow, step-by-step guide to start writing Clojure programs, making use of all of its varied features and advantages.

Clojure Programming Chas Emerick 2012-04-12 The Clojure language offers a practical alternative for solving demanding problems, using existing Java libraries, frameworks, and services. Readers get a solid grounding in Clojure fundamentals based on the environments they are already familiar with-- whether working with data, concurrency, application interfaces, or other challenges.

Clojure for Java Developers Eduardo Díaz 2016-02-23 Transition smoothly from Java to the most widely used functional JVM-based language - Clojure Key Features [*]Write apps for the multithreaded world with Clojure's flavor of functional programming [*]Discover Clojure's features and advantages and use them in your existing projects [*]The book is designed so that you'll be able put to use your existing skills and software knowledge to become a more effective Clojure developer Book DescriptionWe have reached a point where machines are not getting much faster, software projects need to be delivered quickly, and high quality in software is more demanding as ever. We need to explore new ways of writing software that helps achieve those goals. Clojure offers a new possibility of writing high quality, multi-core software faster than ever, without having to leave your current platform. Clojure for Java developers aims at unleashing the true potential of the Clojure language to use it in your projects. The book begins with the installation and setup of the

Clojure environment before moving on to explore the language in-depth. Get acquainted with its various features such as functional programming, concurrency, etc. with the help of example projects. Additionally, you will also, learn how the tooling works, and how it interacts with the Java environment. By the end of this book, you will have a firm grip on Clojure and its features, and use them effectively to write more robust programs. What you will learn [*]Understand the tools for the Clojure world and how they relate to Java tools and standards (like Maven) [*]Learn about immutable data structures, and what makes them feasible for everyday programming [*]Write simple multi-core programs using Clojure's core concepts, like atoms, agents and refs [*]Understand that in Clojure, code is data, and how to take advantage of that fact by generating and manipulating code with macros [*]Learn how Clojure interacts with Java, how the class loaders work and how to use Clojure from Java or the other way around [*]Discover a new, more flexible meaning of polymorphism and understand that OOP is not the only way to get it Who this book is for This book is intended for Java developers, who are looking for a way to expand their skills and understand new paradigms of programming. Whether you know a little bit about functional languages, or you are just getting started, this book will get you up and running with how to use your existing skills in Clojure and functional programming.

Clojure Reactive Programming Leonardo Borges 2015-03-23 Key Features Book DescriptionIf you are a Clojure developer who is interested in using Reactive Programming to build asynchronous and concurrent applications, this book is for you. Knowledge of Clojure and Leiningen is required. Basic understanding of ClojureScript will be helpful for the web chapters, although it is not strictly necessary. What you will learn Understand the key abstractions of Functional Reactive Programming (FRP) and Compositional Event Systems (CES) Discover how to think in terms of timevarying values and event streams Create, compose, and transform Observable sequences with Reactive Extensions Create a CES framework from scratch using core.async as its foundation Build a simple ClojureScript game

using Reagi Integrate Om and RxJS in a web application Implement a reactive API to Amazon Web Services Discover approaches to backpressure and error handling Get to grips with futures and learn where they fit in Who this book is for

Mastering Clojure Data Analysis Eric Richard Rochester 2014-05-26 Key Features Book Description This book consists of a practical, example-oriented approach that aims to help you learn how to use Clojure for data analysis quickly and efficiently. This book is great for those who have experience with Clojure and need to use it to perform data analysis. This book will also be hugely beneficial for readers with basic experience in data analysis and statistics. What you will learn Who this book is for

Clojure for Data Science Henry Garner 2015-09-03 Statistics, big data, and machine learning for Clojure programmers Key Features Book Description The term “data science” has been widely used to define this new profession that is expected to interpret vast datasets and translate them to improved decision-making and performance. Clojure is a powerful language that combines the interactivity of a scripting language with the speed of a compiled language. Together with its rich ecosystem of native libraries and an extremely simple and consistent functional approach to data manipulation, which maps closely to mathematical formula, it is an ideal, practical, and flexible language to meet a data scientist’s diverse needs. Taking you on a journey from simple summary statistics to sophisticated machine learning algorithms, this book shows how the Clojure programming language can be used to derive insights from data. Data scientists often forge a novel path, and you’ll see how to make use of Clojure’s Java interoperability capabilities to access libraries such as Mahout and Mllib for which Clojure wrappers don’t yet exist. Even seasoned Clojure developers will develop a deeper appreciation for their language’s flexibility! You’ll learn how to apply statistical thinking to your own data and use Clojure to explore, analyze, and visualize it in a technically and statistically robust way. You can also use Incanter for local data processing and ClojureScript to present interactive visualisations and understand how distributed

platforms such as Hadoop and Spark’s MapReduce and GraphX’s BSP solve the challenges of data analysis at scale, and how to explain algorithms using those programming models. Above all, by following the explanations in this book, you’ll learn not just how to be effective using the current state-of-the-art methods in data science, but why such methods work so that you can continue to be productive as the field evolves into the future. What you will learn Perform hypothesis testing and understand feature selection and statistical significance to interpret your results with confidence Implement the core machine learning techniques of regression, classification, clustering and recommendation Understand the importance of the value of simple statistics and distributions in exploratory data analysis Scale algorithms to websized datasets efficiently using distributed programming models on Hadoop and Spark Apply suitable analytic approaches for text, graph, and time series data Interpret the terminology that you will encounter in technical papers Import libraries from other JVM languages such as Java and Scala Communicate your findings clearly and convincingly to nontechnical colleagues Who this book is for **Reactive with ClojureScript Recipes** Nicolas Modrzyk 2017-09-28 Use ClojureScript to create powerful serverless Web applications that are responsive and engaging. This book presents Reactive recipes with Reagent, a ClojureScript reactive framework, to create interactive applications. Throughout the book, Reactive with ClojureScript Recipes uses progressively more complex examples and introduces you to a set of powerful tools that target rapid web application development. In the last chapter, you’ll use these concepts for an HTML5-based deployment to smart phones. ClojureScript is your functional programming language for the web. ClojureScript looks like a LISP, and compiles to JavaScript, and thus runs nicely in the browser. What You’ll Learn Write simple static web apps with Boot Integrate ClojureScript and its libraries Animate content, play with sound and videos Use Reagent, and be Reactive in the browser. Run your Application on a smart phones. Who This Book Is For Clojure developers who want to turn their functional skills to the web and JavaScript advanced

developers who want reuse their web skills in a different language

Clojure High Performance Programming

Shantanu Kumar 2013 This is a short, practical guide that will teach you everything you need to know to start writing high performance Clojure code. This book is ideal for intermediate Clojure developers who are looking to get a good grip on how to achieve optimum performance. You should already have some experience with Clojure and it would help if you already know a little bit of Java. Knowledge of performance analysis and engineering is not required. For hands-on practice, you should have access to Clojure REPL with Leiningen.

Clojure Web Development Essentials Ryan

Baldwin 2015-02-24 Key Features Book

Description This book is for anyone who's worked with Clojure and wants to use it to start developing applications for the Web. Experience or familiarity with basic Clojure syntax is a must, and exposure to Leiningen (or other similar build tools such as Maven) would be helpful. What you will learn Generate a fully runnable web application using the Luminus Leiningen application template Explore the basics of the underlying Ring framework and the Ring Server Configure URL Routing, Logging, and some testing basics Create new web pages using the Selmer template rendering library Validate usersubmitted form data Store and retrieve data to and from a database Configure, package, and deploy the finished application Who this book is for

Mastering the Art of Clojure Programming: Unraveling the Secrets of Expert-Level Programming

Steve Jones 2025-02-15 Unlock the full potential of Clojure with "Mastering the Art of Clojure Programming: Unraveling the Secrets of Expert-Level Programming." This comprehensive guide is meticulously crafted for experienced programmers ready to elevate their understanding and proficiency in Clojure to new heights. Delve into advanced topics from the intricacies of Clojure's syntax and semantics to the high-level application of functional programming paradigms. Each chapter is designed to provide profound insights, enhanced by practical examples and real-world applications, offering a pathway to writing extensible, efficient, and maintainable code.

Explore a wide array of topics that define the modern Clojure developer's toolkit. Engage with concepts such as multithreading and concurrency, leveraging Software Transactional Memory (STM) and core.async for responsive and robust applications. Learn to employ design patterns and functional programming techniques seamlessly within your projects, ensuring that your applications are not only high-performing but also scalable and intuitive. From optimizing data structures and algorithms to creating sophisticated web applications and integrating with Java, this book covers it all, equipping you with the necessary expertise for building advanced software solutions. "Mastering the Art of Clojure Programming" stands as an indispensable resource that balances theoretical understanding with practical execution. By elucidating complex ideas in a clear and concise manner, it prepares you to tackle the challenges of modern software development head-on. Whether you aim to refine your current skills or explore new dimensions of Clojure programming, this book is your gateway to mastering the art of creating innovative and powerful applications with Clojure.

Professional Clojure Jeremy Anderson

2016-05-25 Clear, practical Clojure for the professional programmer Professional Clojure is the experienced developer's guide to functional programming using the Clojure language. Designed specifically to meet the needs of professional developers, this book briefly introduces functional programming before skipping directly to the heart of using Clojure in a real-world setting. The discussion details the read—eval—print workflow that enables fast feedback loops, then dives into enterprise-level Clojure development with expert guidance on web services, testing, datomics, performance, and more. Read from beginning to end, this book serves as a clear, direct guide to Clojure programming—but the comprehensive coverage and detail makes it extraordinarily useful as a quick reference for mid-project snags. The author team includes four professional Clojure developers, ensuring professional-level instruction from a highly practical perspective. Clojure is an open-source programming language maintained and supported by Cognitect., and quickly gaining use across

industries at companies like Amazon, Walmart, Facebook, Netflix, and more. This guide provides a concise, yet thorough resource for professional developers needing to quickly put Clojure to work. Parse the difference between functional and object-oriented programming Understand Clojure performance and capabilities Develop reactive web pages using ClojureScript Adopt an REPL-driven development workflow Clojure is a modern dialect of Lisp, designed for concurrency and Java compatibility. It can be used with the Java virtual machine, Microsoft's Common Language Runtime, and JavaScript engines, providing a level of both versatility and functionality that is appealing to more and more enterprise-level developers. As requirements grow increasingly complex, stepping away from imperative programming can dramatically streamline the development workflow. Professional Clojure provides the expert instruction that gets professionals up to speed and back to work quickly.

Clojure Data Analysis Cookbook - Second Edition Eric Richard Rochester 2015-01-27 Key Features Book Description This book is for those with a basic knowledge of Clojure, who are looking to push the language to excel with data analysis. What you will learn Read data from a variety of data formats Transform data to make it more useful and easier to analyze Process data concurrently and in parallel for faster performance Harness multiple computers to analyze big data Use powerful data analysis libraries such as Incanter, Hadoop, and Weka to get things done quickly Apply powerful clustering and data mining techniques to better understand your data Who this book is for This book is for those with a basic knowledge of Clojure, who are looking to push the language to excel with data analysis.

Clojure in Action Amit Rathore 2015-12-16 Summary A fully revised edition that covers the new features available in Clojure 1.6. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Clojure is a modern Lisp for the JVM. It has the strengths you expect: first-class functions, macros, and Lisp's clean programming style. It supports functional programming, making it ideal for concurrent programming and for creating

domain-specific languages. Clojure lets you solve harder problems, make faster changes, and end up with a smaller code base. It's no wonder that there are so many Clojure success stories. About the Book Clojure in Action, Second Edition is an expanded and improved version that's been updated to cover the new features of Clojure 1.6. The book gives you a rapid introduction to the Clojure language, moving from abstract theory to practical examples. You'll start by learning how to use Clojure as a general-purpose language. Next, you'll explore Clojure's efficient concurrency model, based on the database concept of Software Transactional Memory (STM). You'll gain a new level of productivity through Clojure DSLs that can run on the JVM. Along the way, you'll learn countless tips, tricks, and techniques for writing smaller, safer, and faster code. What's Inside Functional programming basics Metaprogramming with Clojure's macros Interoperating with Java Covers Clojure 1.6 About the Reader Assumes readers are familiar with a programming language like C, Java, Ruby, or Python. Table of Contents Introducing Clojure Clojure elements: Data structures and functions Building blocks of Clojure Multimethod polymorphism Exploring Clojure and Java interop State and the concurrent world Evolving Clojure through macros More on functional programming Protocols, records, and types Test-driven development and more More macros and DSL *Clojure: High Performance JVM Programming* Eduardo Diaz 2017-01-31 Explore the world of lightning fast Clojure apps with asynchronous channels, logic, reactive programming, and more About This Book- Discover Clojure's features and advantages and use them in your existing projects- Explore lesser-known and more advanced features, constructs, and methodologies such as asynchronous channels, actors, logic programming, and reactive programming- Measure and monitor performance, and understand optimization techniques Who This Book Is For If you're looking to learn more about its core libraries and delve into the Clojure language in detail, then this book is ideal for you. Prior knowledge of the Clojure language is required. What You Will Learn- Understand tools for the Clojure world and how they relate to Java tools and standards

(such as Maven)- Write simple multicore programs using Clojure's core concepts, such as atoms, agents, and refs- Get to grips with Clojure's concurrency and state-management primitives in depth- Analyze latency using the Criterium library- Avoid reflection and boxing with type hints- Maximize the impact of parallelization, functional composition, and process transformation by composing reducers and transducers- Modify and add features to the Clojure language using macros- 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

In Detail 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. This learning path aims at unleashing the true potential of the Clojure language so you can use it in your projects. It begins with installing and setting up the Clojure environment before moving on to explore the language in depth. You'll get acquainted with its various features such as functional programming, concurrency, reducers, transducers, `core.async` and `core.logic`, and so on with a great level of detail. Moving on, you'll also learn how to enhance performance using Java interoperability and JVM-specific features from Clojure; you'll even master language features such as asynchronous channels, actors, logic programming, reactive programming, metaprogramming, and so on. This learning path combines some of the best that Packt has to offer in one complete, curated package. It includes content from the following Packt products:- Clojure for Java Developers by Eduardo Diaz- Clojure High Performance Programming, Second Edition by Shantanu Kumar- Mastering Clojure by Akhil Wali

Style and approach This is an easy-to-follow, step-by-step guide to start writing Clojure programs, making use of all of its varied features and advantages.

The Joy of Clojure Chris Houser 2014-05-28
Summary The Joy of Clojure, Second Edition is a

deep look at the Clojure language. Fully updated for Clojure 1.6, this new edition goes beyond just syntax to show you the "why" of Clojure and how to write fluent Clojure code. You'll learn functional and declarative approaches to programming and will master the techniques that make Clojure so elegant and efficient. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology The Clojure programming language is a dialect of Lisp that runs on the Java Virtual Machine and JavaScript runtimes. It is a functional programming language that offers great performance, expressive power, and stability by design. It gives you built-in concurrency and the predictable precision of immutable and persistent data structures. And it's really, really fast. The instant you see long blocks of Java or Ruby dissolve into a few lines of Clojure, you'll know why the authors of this book call it a "joyful language." It's no wonder that enterprises like Staples are betting their infrastructure on Clojure. About the Book The Joy of Clojure, Second Edition is a deep account of the Clojure language. Fully updated for Clojure 1.6, this new edition goes beyond the syntax to show you how to write fluent Clojure code. You'll learn functional and declarative approaches to programming and will master techniques that make Clojure elegant and efficient. The book shows you how to solve hard problems related to concurrency, interoperability, and performance, and how great it can be to think in the Clojure way. Appropriate for readers with some experience using Clojure or common Lisp. What's Inside Build web apps using ClojureScript Master functional programming techniques Simplify concurrency Covers Clojure 1.6 About the Authors Michael Fogus and Chris Houser are contributors to the Clojure and ClojureScript programming languages and the authors of various Clojure libraries and language features.

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Clojure High Performance Programming Kumar Shantanu

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In the vast expanse of digital literature, finding Clojure High Performance Programming Kumar Shantanu sanctuary that delivers on both content and user experience is akin to discovering a hidden gem. Enter en.purimas-lombok.com, Clojure High Performance Programming Kumar Shantanu PDF eBook download haven that beckons readers into a world of literary wonders. In this Clojure High Performance Programming Kumar Shantanu review, we will delve into the intricacies of the platform, exploring its features, content diversity, user interface, and the overall reading experience it promises.

At the heart of en.purimas-lombok.com lies a diverse collection that spans genres, catering to the voracious appetite of every reader. From classic novels that have withstood the test of time to contemporary page-turners, the library pulsates with life. The Clojure High Performance Programming Kumar Shantanu of content is evident, offering a dynamic range of PDF eBooks that oscillate between profound narratives and quick literary escapes.

One of the defining features of Clojure High Performance Programming Kumar Shantanu is the orchestration of genres, creating a symphony of reading choices. As you navigate through the Clojure High Performance Programming Kumar Shantanu, you will encounter the perplexity of options — from the structured complexity of science fiction to the rhythmic simplicity of romance. This diversity ensures that every reader, irrespective of their literary taste, finds Clojure High Performance Programming Kumar Shantanu within the digital shelves.

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