Learning Akka

Jason Goodwin

Click here if your download doesn"t start automatically

Learning Akka

Jason Goodwin

Learning Akka Jason Goodwin

Key Features

- Build networked applications that self-heal
- Scale out your applications to handle more traffic faster
- An easy-to-follow guide with a number of examples to ensure you get the best start with Akka

Book Description

Software today has to work with more data, more users, more cores, and more servers than ever. Akka is a distributed computing toolkit that enables developers to build correct concurrent and distributed applications using Java and Scala with ease, applications that scale across servers and respond to failure by self-healing. As well as simplifying development, Akka enables multiple concurrency development patterns with particular support and architecture derived from Erlang's concept of actors (lightweight concurrent entities). Akka is written in Scala, which has become the programming language of choice for development on the Akka platform.

Learning Akka aims to be a comprehensive walkthrough of Akka. This book will take you on a journey through all the concepts of Akka that you need in order to get started with concurrent and distributed applications and even build your own.

Beginning with the concept of Actors, the book will take you through concurrency in Akka. Moving on to networked applications, this book will explain the common pitfalls in these difficult problem areas while teaching you how to use Akka to overcome these problems with ease.

The book is an easy to follow example-based guide that will strengthen your basic knowledge of Akka and aid you in applying the same to real-world scenarios.

What you will learn

- Use Akka to overcome the challenges of concurrent programming
- Resolve the issues faced in distributed computing with the help of Akka
- Scale applications to serve a high number of concurrent users
- Make your system fault-tolerant with self-healing applications
- Provide a timely response to users with easy concurrency
- Reduce hardware costs by building more efficient multi-user applications
- Maximise network efficiency by scaling it

About the Author

Jason Goodwin is a developer who is primarily self-taught. His entrepreneurial spirit led him to study business at school, but he started programming when he was 15 and always had a high level of interest in technology. This interest led his career to take a few major changes away from the business side and back into software development. His journey has led him to working on high-scale distributed systems. He likes to create electronic music in his free time.

He was first introduced to an Akka project at a Scala/Akka shop—mDialog—that built video ad insertion software for major publishers. The company was acquired by Google eventually. He has also been an influential technologist in introducing Akka to a major Canadian telco to help them serve their customers with more resilient and responsive software. He has experience of teaching Akka and functional and concurrent programming concepts to small teams there. He is currently working via Adecco at Google.

Table of Contents

1. Starting Life as an Actor
2. Actors and Concurrency
3. Getting the Message Across
4. Actor Lifecycle – Handling State and Failure
5. Scaling Up
6. Successfully Scaling Out – Clustering
7. Handling Mailbox Problems
8. Testing and Design
9. A Journey's End

⬇ Download Learning Akka ...pdf

📄 Read Online Learning Akka ...pdf

Download and Read Free Online Learning Akka Jason Goodwin

From reader reviews:

Bernice Hicks:

Book is written, printed, or created for everything. You can learn everything you want by a book. Book has a different type. To be sure that book is important thing to bring us around the world. Close to that you can your reading proficiency was fluently. A book Learning Akka will make you to possibly be smarter. You can feel considerably more confidence if you can know about every little thing. But some of you think that will open or reading any book make you bored. It's not make you fun. Why they may be thought like that? Have you trying to find best book or acceptable book with you?

James Gardner:

What do you with regards to book? It is not important along with you? Or just adding material when you need something to explain what your own problem? How about your time? Or are you busy man? If you don't have spare time to complete others business, it is make you feel bored faster. And you have spare time? What did you do? Everybody has many questions above. They have to answer that question due to the fact just their can do that. It said that about book. Book is familiar on every person. Yes, it is right. Because start from on jardín de infancia until university need this Learning Akka to read.

Brooks Davis:

This book untitled Learning Akka to be one of several books that will best seller in this year, honestly, that is because when you read this publication you can get a lot of benefit on it. You will easily to buy this specific book in the book retailer or you can order it by using online. The publisher in this book sells the e-book too. It makes you more easily to read this book, as you can read this book in your Smartphone. So there is no reason for you to past this publication from your list.

Cynthia Cisneros:

Reading a publication make you to get more knowledge from that. You can take knowledge and information coming from a book. Book is composed or printed or outlined from each source this filled update of news. With this modern era like right now, many ways to get information are available for an individual. From media social just like newspaper, magazines, science book, encyclopedia, reference book, new and comic. You can add your understanding by that book. Ready to spend your spare time to spread out your book? Or just searching for the Learning Akka when you needed it?

Download and Read Online Learning Akka Jason Goodwin

#45TUJ70GRYQ

Read Learning Akka by Jason Goodwin for online ebook

Learning Akka by Jason Goodwin 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 Learning Akka by Jason Goodwin books to read online.

Online Learning Akka by Jason Goodwin ebook PDF download

Learning Akka by Jason Goodwin Doc

Learning Akka by Jason Goodwin Mobipocket

Learning Akka by Jason Goodwin EPub