Akka
IN ACTION

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Akka in Action

Summary Akka in Action is a comprehensive tutorial about building message-oriented systems using Akka. About the Technology Akka makes it not too difficult to build applications in the cloud or on gadgets with many cores that effectively use the full capacity of the computing power available. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub types from Manning Publications. The book takes a hands-on approach, where each new concept is accompanied by an example that shows you how it works, how to implement the code, and how exactly to (unit) test it. It's a toolkit that provides an actor development model, a runtime, and required support tools for building scalable applications. Finally, you'l get useful advice on how best to customize and extend your Akka program. This comprehensive, hands-on tutorial introduces each concept with a working example. Table of Contents Presenting Akka Up and running Test-driven development with actors Fault tolerance Futures Your first distributed Akka app Construction, logging, and deployment Structural patterns for actors Routing communications Message channels Finite-state devices and agents System integration Streaming Clustering Actor persistence Efficiency tips Looking ahead You'll explore test-driven advancement and deploying and scaling fault-tolerant systems. Rob Bakker specializes in concurrent back-end systems and systems integration. You'l also find a tutorial on building streaming applications using akka-stream and akka-http. About the Reserve Akka in Action demonstrates how to build message-oriented systems with Akka. What's Inside Getting concurrency rightTesting and performance tuningClustered and cloud-centered applicationsCovers Akka edition 2.4 About the Reader This book assumes that you're comfortable with Java and Scala. No prior knowledge with Akka needed. About the Authors A software program craftsman and architect, Raymond Roestenburg can be an Akka committer. After mastering the basics, you'll discover how to model immutable messages, implement domain versions, and apply techniques like event sourcing and CQRS. Rob Williams has more than twenty years of product advancement experience. You'll start with the big picture of how Akka functions, and quickly build and deploy a fully functional REST program out of actors.

Five Stars Nice book and there exists a lot to learn. I personally enjoyed learning this reserve. The reserve does dive a bit

deeper into Akka and its actor programming model than I must say i wanted to proceed. I couldn't have asked for a better Akka book. The authors have put a great deal of hard work into writing this publication, and it displays as you read the text, research the diagrams and work the code examples. Five Stars Good This very good Akka guidebook can also assist you to gain new appreciation for Scala and the Simple Build Tool (sbt) Once more, I wish I could provide a book four . 5 stars. I really like that one, but I don't quite "love" it just as that I really like great, five-star literature. But the ones that I have done have worked just as referred to. I haven't tried all of the code examples yet. Must have book for each Scala programmer This book is ideal from all perspectives. So that mitigates the Chapter 7 criticism somewhat." The reserve also offers gotten me interested in doing some projects once again on the Scala/JVM aspect of the world, after a whole lot of JavaScript and AngularJS. I do agree, at least partly, with the criticism that the book's "Hello, Globe" example should come earlier than Chapter 7.The writing style is merely ok, sometimes a bit awkward. You fetch a project template, build a (really) "minimal Akka app for the cloud" and deploy it to Heroku. But I admire how well Akka (to quote the authors) "provides a comprehensive set of tools for building distributed and concurrent applications. You do not even want an IDE however as SBT is a very powerful device (REPL and runner) from the command-line. "Akka doing his thing" has been a nice refresher course for me, as well as a very great what-is-Akka guide. That being said, it offers been three years since I did any tasks with Akka, Scala and the Simple Build Tool (sbt). Essential read for each and every scala programmer. To become fair, the book does say reader should know some Scala.My thanks to Manning for providing an progress reading copy for review. is how actors send fire-and-forget communications, but the reserve should explain essentials like thisNext chapter is definitely TDD and I'm uncertain why this is the therefore early in the reserve. It covers all important aspects of Akka and provides clear and simple to follow good examples. It covers how to realize basic actor model in Akka along with essential extensions such as for example futures, agents, FSM, remoting, clustering, and persistence. It really is the best and most up to date publication about Akka out there currently and we endorse it as the group behind the project :-) You'll infer things such as! Initial thoughts:Chapter 2 dives directly into some complicated code without explaining very much. is normally how actors send fire-and-forget messages I'll update this review as We work through the book. You'll infer things such as ! Best Akka guideline currently released One of the best reference / guides for learning Akka. I still want to understand the fundamentals and we're screening alreadyChapter 6 is normally on remoting but I didn't want to move that deep yet. Still looking more for fundamentals.The authors provided a whole lot of code to accompany this book. It really is on github and I was trivial to setup and run with Intellij. Regardless, this is an excellent reserve.It would have already been nice to visit a hello-globe example, and there is something of that nature but you need to skip completely to Chapter 7. So again, the flow of the book could have been better considered IMO. One minor annoyance is a few of the examples, like the REPL Remoting are a graphic in the book, and that means you need to type it out by hand, ie, no cut and paste. The epub format has been great but at least one desk was all garbled and I got to resort to the PDF version, and the pictures (tables) don't scale and also the text so I end up squinting."Also found other typos, thus a bit careless in editing here. I assume taking care of of reading a simply published book has been a proofreader for the editor, sigh.I am reading with the online Google Books reader in epub format. I really like this since I could add notes and have all my books in a single place (Kindle reader on Mac pc only works together with Kindle bought books and not all books are available in on Kindle, and many are not, like all Manning books!).found a typo:"However the issue with these properties is that you never know for sure these properties exit. But Chapter 2, titled "Up and running," does offer a simpler-than-Hello-World project which has you use Akka, Scala and sbt collectively. specifically, for folks who are not well-versed with Scala. Does not explain things with clarity. A book to pick up Akka and start scratching the top of distributed computing A good book to understand about Akka and the actor model. In addition, it covers the most recent additions - Akka Streams and HTTP, so you're ready to jump directly into developing and end-to-end reactive program after reading this reserve and the reference documentation. It provides a good introduction to fault tolerance in the context of actor modelIt might have been a great publication if 1) it utilized simple and precise language (e.g., "which needs two argument lists", do you mean two arguments?) and 2) it did not have got typos in code and outcomes.Both these errors will decelerate reading and comprehension; Wishing it will get better realizing it's a waste of time Threw it aside, after

about 100 web pages in, recognizing it's a waste materials of time. "Akka in Action" is worth your consideration, specifically you are attempting to move into the globe of distributed and concurrent applications and/or in case you are learning Scala and sbt and looking for more things to do with them. However, I believe the book could have been more available to non-Scala devs (e.g., Kotlin devs) if indeed they wouldn't have to look up if a specific nuance was a typo or elsewhere.Also, all of the code bits aren't in the publication. While that is generally good, I sensed that some important code bits were lacking and this slowed up reading and comprehension.

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