



Designing for Scalability with Erlang/OTP: Implement Robust, Fault-Tolerant Systems

By Francesco Cesarini, Steve Vinoski

Download now

Read Online ➔

Designing for Scalability with Erlang/OTP: Implement Robust, Fault-Tolerant Systems By Francesco Cesarini, Steve Vinoski

If you need to build a scalable, fault tolerant system with requirements for high availability, discover why the Erlang/OTP platform stands out for the breadth, depth, and consistency of its features. This hands-on guide demonstrates how to use the Erlang programming language and its OTP framework of reusable libraries, tools, and design principles to develop complex commercial-grade systems that simply cannot fail.

In the first part of the book, you'll learn how to design and implement process behaviors and supervision trees with Erlang/OTP, and bundle them into standalone nodes. The second part addresses reliability, scalability, and high availability in your overall system design. If you're familiar with Erlang, this book will help you understand the design choices and trade-offs necessary to keep your system running.

- Explore OTP's building blocks: the Erlang language, tools and libraries collection, and its abstract principles and design rules
- Dive into the fundamentals of OTP reusable frameworks: the Erlang process structures OTP uses for behaviors
- Understand how OTP behaviors support client-server structures, finite state machine patterns, event handling, and runtime/code integration
- Write your own behaviors and special processes
- Use OTP's tools, techniques, and architectures to handle deployment, monitoring, and operations

📄 [Download Designing for Scalability with Erlang/OTP: Impleme ...pdf](#)

📖 [Read Online Designing for Scalability with Erlang/OTP: Imple ...pdf](#)

Designing for Scalability with Erlang/OTP: Implement Robust, Fault-Tolerant Systems

By Francesco Cesarini, Steve Vinoski

Designing for Scalability with Erlang/OTP: Implement Robust, Fault-Tolerant Systems By Francesco Cesarini, Steve Vinoski

If you need to build a scalable, fault tolerant system with requirements for high availability, discover why the Erlang/OTP platform stands out for the breadth, depth, and consistency of its features. This hands-on guide demonstrates how to use the Erlang programming language and its OTP framework of reusable libraries, tools, and design principles to develop complex commercial-grade systems that simply cannot fail.

In the first part of the book, you'll learn how to design and implement process behaviors and supervision trees with Erlang/OTP, and bundle them into standalone nodes. The second part addresses reliability, scalability, and high availability in your overall system design. If you're familiar with Erlang, this book will help you understand the design choices and trade-offs necessary to keep your system running.

- Explore OTP's building blocks: the Erlang language, tools and libraries collection, and its abstract principles and design rules
- Dive into the fundamentals of OTP reusable frameworks: the Erlang process structures OTP uses for behaviors
- Understand how OTP behaviors support client-server structures, finite state machine patterns, event handling, and runtime/code integration
- Write your own behaviors and special processes
- Use OTP's tools, techniques, and architectures to handle deployment, monitoring, and operations

Designing for Scalability with Erlang/OTP: Implement Robust, Fault-Tolerant Systems By Francesco Cesarini, Steve Vinoski **Bibliography**

- Sales Rank: #149463 in Books
- Brand: imusti
- Published on: 2016-06-03
- Original language: English
- Number of items: 1
- Dimensions: 9.10" h x 1.00" w x 6.90" l, .0 pounds
- Binding: Paperback
- 482 pages

 [Download Designing for Scalability with Erlang/OTP: Impleme ...pdf](#)

 [Read Online Designing for Scalability with Erlang/OTP: Imple ...pdf](#)

Download and Read Free Online Designing for Scalability with Erlang/OTP: Implement Robust, Fault-Tolerant Systems By Francesco Cesarini, Steve Vinoski

Editorial Review

About the Author

Francesco Cesarini has taught Erlang/OTP for fourteen years to all parties involved in the software cycle, including students, developers, support and testers, as well as project and technical managers. He has helped set up Erlang development centres in Ireland, the US and the UK. In 1999, the year after Erlang was released as open source, Francesco moved from Sweden to London and founded Erlang Training and Consulting, a company which he is a majority shareholder of today.

Steve Vinoski has spent most of his software development career, spanning over more than 30 years, working in the areas of middleware and distributed computing systems. He discovered Erlang in 2006 after nearly 20 years of developing middleware systems primarily in C++ and Java, and he's used Erlang as his primary development language ever since. Steve has contributed to a variety of Erlang projects, including the Riak database, developed and maintained by his employer, Basho Technologies, and the Yaws web server. He's also contributed dozens of bug-fix and feature patches to the Erlang/OTP codebase.

Steve is also a long-time author, having written or co-authored over 100 published articles and papers covering middleware, distributed systems, and web development, as well as a couple books. He wrote "The Functional Web" column for IEEE Internet Computing (IC) magazine from 2008 through 2012, and prior to that, from 2002-2008, wrote the "Toward Integration" column for IC as well. He also serves on the magazine's editorial board. From 1995-2005, Steve co-authored the popular "Object Interconnections" column on distributed object computing for the C++ Report and later the C/C++ Users Journal. Over the years Steve has also given hundreds of conference and workshop presentations and tutorials on middleware, distributed systems, web development, and programming languages, and has served as chair or program committee member for many dozens of conferences and workshops.

Users Review

From reader reviews:

Larry Gutierrez:

The book Designing for Scalability with Erlang/OTP: Implement Robust, Fault-Tolerant Systems can give more knowledge and information about everything you want. Why must we leave a good thing like a book Designing for Scalability with Erlang/OTP: Implement Robust, Fault-Tolerant Systems? A number of you have a different opinion about e-book. But one aim that book can give many data for us. It is absolutely correct. Right now, try to closer along with your book. Knowledge or data that you take for that, you can give for each other; you are able to share all of these. Book Designing for Scalability with Erlang/OTP: Implement Robust, Fault-Tolerant Systems has simple shape but the truth is know: it has great and big function for you. You can appearance the enormous world by available and read a guide. So it is very wonderful.

Matthew Armstrong:

Now a day individuals who Living in the era just where everything reachable by connect with the internet and the resources in it can be true or not need people to be aware of each information they get. How a lot more to be smart in getting any information nowadays? Of course the answer then is reading a book. Examining a book can help people out of this uncertainty Information mainly this Designing for Scalability with Erlang/OTP: Implement Robust, Fault-Tolerant Systems book because this book offers you rich data and knowledge. Of course the details in this book hundred % guarantees there is no doubt in it you know.

Jennifer Garrison:

Are you kind of occupied person, only have 10 or 15 minute in your day to upgrading your mind skill or thinking skill even analytical thinking? Then you are receiving problem with the book in comparison with can satisfy your short space of time to read it because this time you only find reserve that need more time to be study. Designing for Scalability with Erlang/OTP: Implement Robust, Fault-Tolerant Systems can be your answer given it can be read by anyone who have those short spare time problems.

Ruby Chartrand:

This Designing for Scalability with Erlang/OTP: Implement Robust, Fault-Tolerant Systems is new way for you who has fascination to look for some information since it relief your hunger associated with. Getting deeper you onto it getting knowledge more you know or else you who still having bit of digest in reading this Designing for Scalability with Erlang/OTP: Implement Robust, Fault-Tolerant Systems can be the light food in your case because the information inside this specific book is easy to get by simply anyone. These books create itself in the form which can be reachable by anyone, that's why I mean in the e-book type. People who think that in e-book form make them feel tired even dizzy this publication is the answer. So you cannot find any in reading a book especially this one. You can find what you are looking for. It should be here for a person. So , don't miss the idea! Just read this e-book kind for your better life and knowledge.

Download and Read Online Designing for Scalability with Erlang/OTP: Implement Robust, Fault-Tolerant Systems By Francesco Cesarini, Steve Vinoski #2S0EBZTPXR3

Read Designing for Scalability with Erlang/OTP: Implement Robust, Fault-Tolerant Systems By Francesco Cesarini, Steve Vinoski for online ebook

Designing for Scalability with Erlang/OTP: Implement Robust, Fault-Tolerant Systems By Francesco Cesarini, Steve Vinoski 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 Designing for Scalability with Erlang/OTP: Implement Robust, Fault-Tolerant Systems By Francesco Cesarini, Steve Vinoski books to read online.

Online Designing for Scalability with Erlang/OTP: Implement Robust, Fault-Tolerant Systems By Francesco Cesarini, Steve Vinoski ebook PDF download

Designing for Scalability with Erlang/OTP: Implement Robust, Fault-Tolerant Systems By Francesco Cesarini, Steve Vinoski Doc

Designing for Scalability with Erlang/OTP: Implement Robust, Fault-Tolerant Systems By Francesco Cesarini, Steve Vinoski Mobipocket

Designing for Scalability with Erlang/OTP: Implement Robust, Fault-Tolerant Systems By Francesco Cesarini, Steve Vinoski EPub

2S0EBZTPXR3: Designing for Scalability with Erlang/OTP: Implement Robust, Fault-Tolerant Systems By Francesco Cesarini, Steve Vinoski