



Microservices: Patterns and Applications: Designing fine-grained services by applying patterns

By Lucas Krause

Download now

Read Online ➔

Microservices: Patterns and Applications: Designing fine-grained services by applying patterns By Lucas Krause

Microservices: Patterns and Applications Microservices are the next big thing in designing scalable, easy to maintain applications. This book will explain everything you need to know about Microservices to make your next project successful. You will learn: **Microservice Patterns** This book goes into great detail on all of the Microservice Architecture patterns including • Monolithic Architecture • Microservice Architecture • Service Discovery • Gateway / Proxy API • Orchestrated API • Service Registration • CQRS and Event Sourcing • Bulk Heads • Circuit Breaker • Message Broker The most important thing about Microservices is when and how to apply a pattern, along with explaining what choices you must make and why. Every system is different so it is vital to understand a lot of basics before designing and developing your own Microservices. **From Monolithic to Microservice** The basics here are how to decompose a Monolithic system into a Microservice and this book shows exactly how this process is completed. **Service Oriented Architecture to Microservice** A more common need is to migrate your system from a SOA based architecture to Microservices, there are many advantages and the process is not as straightforward as you would expect. **New Microservices** If you want to build a brand-new system and leverage the power of Microservices this book outlines the pitfalls, strategies and tactics needs to make this work for you. It is not as easy as it would seem and you will understand why after reading this book.

Microservice Technologies You'll learn about what technologies you need to use and understand for successful Microservices. •Virtualization •Containers (Docker and Rocket) •Databases •Security (JSON Web Tokens) •Logging •Exceptions •Caching •Timeouts •Scalability (CAP, Cube) •Platform as a Service (PaaS) •Cloud architecture •Technology agnostic Why Microservices? Isn't this just the latest buzz word? While Microservices may be a recent trend and is gaining traction across the industry as a silver-bullet. It is not a silver-bullet. In this book you will learn important reasons why you cannot treat Microservices or any technology or technique as a silver-bullet. There are tradeoffs and advantages to every architectural decision, you will understand the details by reading this book. Most importantly you will understand how Microservices is what SOA had promised and never delivered. **Author: Lucas Krause** Lucas has been in the

technology industry as a consultant, contractor, architect, engineer, and manager and understands and has used Microservices successfully to solve his client problems. **Philosophy of Microservices** You'll learn about what the philosophy of Microservices is and why this is important. It is critical to understand the philosophy as that is what makes Microservices work at so many other companies and solutions. If you are looking to gain an understanding of Microservices along with the patterns and application around the process to implementing them than, this is the book for you! **Ready to learn about Microservices? Let's go!** Want To Be brought up to speed on the latest innovations and techniques with Microservices? Want to Understand Why Microservices? What Makes Microservices so Special? What are the potential pitfalls? Why Are Microservices so popular? How do I make my projects successful?

 [Download Microservices: Patterns and Applications: Designin ...pdf](#)

 [Read Online Microservices: Patterns and Applications: Design ...pdf](#)

Microservices: Patterns and Applications: Designing fine-grained services by applying patterns

By Lucas Krause

Microservices: Patterns and Applications: Designing fine-grained services by applying patterns By Lucas Krause

Microservices: Patterns and Applications Microservices are the next big thing in designing scalable, easy to maintain applications. This book will explain everything you need to know about Microservices to make your next project successful. You will learn: **Microservice Patterns** This book goes into great detail on all of the Microservice Architecture patterns including • Monolithic Architecture • Microservice Architecture • Service Discovery • Gateway / Proxy API • Orchestrated API • Service Registration • CQRS and Event Sourcing • Bulk Heads • Circuit Breaker • Message Broker The most important thing about Microservices is when and how to apply a pattern, along with explaining what choices you must make and why. Every system is different so it is vital to understand a lot of basics before designing and developing your own Microservices. **From Monolithic to Microservice** The basics here are how to decompose a Monolithic system into a Microservice and this book shows exactly how this process is completed. **Service Oriented Architecture to Microservice** A more common need is to migrate your system from a SOA based architecture to Microservices, there are many advantages and the process is not as straightforward as you would expect. **New Microservices** If you want to build a brand-new system and leverage the power of Microservices this book outlines the pitfalls, strategies and tactics needs to make this work for you. It is not as easy as it would seem and you will understand why after reading this book. **Microservice Technologies** You'll learn about what technologies you need to use and understand for successful Microservices. •Virtualization •Containers (Docker and Rocket) •Databases •Security (JSON Web Tokens) •Logging •Exceptions •Caching •Timeouts •Scalability (CAP, Cube) •Platform as a Service (PaaS) •Cloud architecture •Technology agnostic Why Microservices? Isn't this just the latest buzz word? While Microservices may be a recent trend and is gaining traction across the industry as a silver-bullet. It is not a silver-bullet. In this book you will learn important reasons why you cannot treat Microservices or any technology or technique as a silver-bullet. There are tradeoffs and advantages to every architectural decision, you will understand the details by reading this book. Most importantly you will understand how Microservices is what SOA had promised and never delivered. **Author: Lucas Krause** Lucas has been in the technology industry as a consultant, contractor, architect, engineer, and manager and understands and has used Microservices successfully to solve his client problems. **Philosophy of Microservices** You'll learn about what the philosophy of Microservices is and why this is important. It is critical to understand the philosophy as that is what makes Microservices work at so many other companies and solutions. If you are looking to gain an understanding of Microservices along with the patterns and application around the process to implementing them than, this is the book for you! **Ready to learn about Microservices? Let's go!** Want To Be brought up to speed on the latest innovations and techniques with Microservices? Want to Understand Why Microservices? What Makes Microservices so Special? What are the potential pitfalls? Why Are Microservices so popular? How do I make my projects successful?

Microservices: Patterns and Applications: Designing fine-grained services by applying patterns By

Lucas Krause Bibliography

- Sales Rank: #1025750 in Books
- Published on: 2015-04-01
- Original language: English
- Number of items: 1
- Dimensions: 9.00" h x .29" w x 6.00" l, .40 pounds
- Binding: Paperback
- 126 pages

 [Download Microservices: Patterns and Applications: Designin ...pdf](#)

 [Read Online Microservices: Patterns and Applications: Design ...pdf](#)

Download and Read Free Online Microservices: Patterns and Applications: Designing fine-grained services by applying patterns By Lucas Krause

Editorial Review

About the Author

Lucas Krause is an entrepreneur, consultant, software developer and architect. He started building programs when he was only 8 years old with his parents Commodore 64. Lucas studied Electrical Engineering in college and fell in love with hardware and software technology focused solutions. Lucas started out working in the private sector doing simple web application design, then moved to systems engineering, distributed systems design, and enterprise application development. Lucas became a consultant 3 years after school and never looked back being able to lead many different projects from Government, and Finance to Utilities and Entertainment. Lucas has the fortune to work on a variety of projects large and complex project with small or large teams always making big impacts and making the project a success. A man of many hats, Lucas had been a developer, architect, manager and founder. Lucas has worked for many different types of organizations including Fortune 100, Non-Profit, Federal, State and Local Government. He has also been heavily involved in many industries including Finance, Insurance, Ecommerce, Marketing and Advertising, Clinical, Medical, Management Consulting, Training, and Gaming. Lucas has helped design, build, lead, and deliver over one hundred successful projects in over a dozen different industries. Lucas's passion is solving customer's problems long-term leading to sustainable growth and success. You can learn more about Lucas at <http://microservicesbook.io/author/> and contact him at <http://microservicesbook.io/contact/>

Users Review

From reader reviews:

John Honeycutt:

Reading a book can be one of a lot of exercise that everyone in the world enjoys. Do you like reading book therefore. There are a lot of reasons why people fantastic. First reading a reserve will give you a lot of new facts. When you read a guide you will get new information mainly because book is one of many ways to share the information or perhaps their idea. Second, looking at a book will make you more imaginative. When you reading through a book especially fictional works book the author will bring someone to imagine the story how the characters do it anything. Third, you may share your knowledge to other people. When you read this Microservices: Patterns and Applications: Designing fine-grained services by applying patterns, it is possible to tells your family, friends and also soon about yours book. Your knowledge can inspire the mediocre, make them reading a publication.

Geraldine Bagley:

Typically the book Microservices: Patterns and Applications: Designing fine-grained services by applying patterns has a lot of information on it. So when you make sure to read this book you can get a lot of advantage. The book was authored by the very famous author. The author makes some research ahead of write this book. This particular book very easy to read you will get the point easily after reading this article book.

David Eaton:

Microservices: Patterns and Applications: Designing fine-grained services by applying patterns can be one of your basic books that are good idea. We all recommend that straight away because this publication has good vocabulary that may increase your knowledge in words, easy to understand, bit entertaining but delivering the information. The article author giving his/her effort to set every word into pleasure arrangement in writing Microservices: Patterns and Applications: Designing fine-grained services by applying patterns but doesn't forget the main stage, giving the reader the hottest and based confirm resource data that maybe you can be certainly one of it. This great information can easily drawn you into new stage of crucial pondering.

Debbie Gagnon:

The book untitled Microservices: Patterns and Applications: Designing fine-grained services by applying patterns contain a lot of information on that. The writer explains your ex idea with easy means. The language is very clear to see all the people, so do not worry, you can easy to read that. The book was published by famous author. The author will bring you in the new time of literary works. It is possible to read this book because you can read more your smart phone, or gadget, so you can read the book inside anywhere and anytime. If you want to buy the e-book, you can available their official web-site and order it. Have a nice go through.

Download and Read Online Microservices: Patterns and Applications: Designing fine-grained services by applying patterns By Lucas Krause #IX4EAPFRSU9

Read Microservices: Patterns and Applications: Designing fine-grained services by applying patterns By Lucas Krause for online ebook

Microservices: Patterns and Applications: Designing fine-grained services by applying patterns By Lucas Krause 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 Microservices: Patterns and Applications: Designing fine-grained services by applying patterns By Lucas Krause books to read online.

Online Microservices: Patterns and Applications: Designing fine-grained services by applying patterns By Lucas Krause ebook PDF download

Microservices: Patterns and Applications: Designing fine-grained services by applying patterns By Lucas Krause Doc

Microservices: Patterns and Applications: Designing fine-grained services by applying patterns By Lucas Krause Mobipocket

Microservices: Patterns and Applications: Designing fine-grained services by applying patterns By Lucas Krause EPub

IX4EAPFRSU9: Microservices: Patterns and Applications: Designing fine-grained services by applying patterns By Lucas Krause