



Building Microservices: Designing Fine-Grained Systems

By Sam Newman



Building Microservices: Designing Fine-Grained Systems By Sam Newman

Distributed systems have become more fine-grained in the past 10 years, shifting from code-heavy monolithic applications to smaller, self-contained microservices. But developing these systems brings its own set of headaches. With lots of examples and practical advice, this book takes a holistic view of the topics that system architects and administrators must consider when building, managing, and evolving microservice architectures.

Microservice technologies are moving quickly. Author Sam Newman provides you with a firm grounding in the concepts while diving into current solutions for modeling, integrating, testing, deploying, and monitoring your own autonomous services. You'll follow a fictional company throughout the book to learn how building a microservice architecture affects a single domain.

- Discover how microservices allow you to align your system design with your organization's goals
- Learn options for integrating a service with the rest of your system
- Take an incremental approach when splitting monolithic codebases
- Deploy individual microservices through continuous integration
- Examine the complexities of testing and monitoring distributed services
- Manage security with user-to-service and service-to-service models
- Understand the challenges of scaling microservice architectures

[!\[\]\(2638cc0dbaac7e439e77f3f17b90e9a7_img.jpg\) **Download** Building Microservices: Designing Fine-Grained Sys ...pdf](#)

[!\[\]\(0d311d25730ba240da04d497f85aaefa_img.jpg\) **Read Online** Building Microservices: Designing Fine-Grained S ...pdf](#)

Building Microservices: Designing Fine-Grained Systems

By Sam Newman

Building Microservices: Designing Fine-Grained Systems By Sam Newman

Distributed systems have become more fine-grained in the past 10 years, shifting from code-heavy monolithic applications to smaller, self-contained microservices. But developing these systems brings its own set of headaches. With lots of examples and practical advice, this book takes a holistic view of the topics that system architects and administrators must consider when building, managing, and evolving microservice architectures.

Microservice technologies are moving quickly. Author Sam Newman provides you with a firm grounding in the concepts while diving into current solutions for modeling, integrating, testing, deploying, and monitoring your own autonomous services. You'll follow a fictional company throughout the book to learn how building a microservice architecture affects a single domain.

- Discover how microservices allow you to align your system design with your organization's goals
- Learn options for integrating a service with the rest of your system
- Take an incremental approach when splitting monolithic codebases
- Deploy individual microservices through continuous integration
- Examine the complexities of testing and monitoring distributed services
- Manage security with user-to-service and service-to-service models
- Understand the challenges of scaling microservice architectures

Building Microservices: Designing Fine-Grained Systems By Sam Newman Bibliography

- Sales Rank: #13708 in Books
- Brand: imusti
- Published on: 2015-02-20
- Original language: English
- Number of items: 1
- Dimensions: 9.17" h x .59" w x 7.01" l, .0 pounds
- Binding: Paperback
- 280 pages

 [Download Building Microservices: Designing Fine-Grained Sys ...pdf](#)

 [Read Online Building Microservices: Designing Fine-Grained S ...pdf](#)

Download and Read Free Online Building Microservices: Designing Fine-Grained Systems By Sam Newman

Editorial Review

About the Author

Sam Newman is a technologist at ThoughtWorks, where he currently splits his time between encouraging and sharing Innovation globally and helping design and build their internal systems. He has worked with a variety of companies in multiple domains around the world, often with one foot in the developer world, and another in the IT operations space. If you asked him what he does, he'd say 'I work with people to build better software systems'. He has written articles, presented at conferences, and sporadically commits to open source projects. He is currently writing a book, *Building Microservices*, which should be available in the Autumn of this year from O'Reilly.

Users Review

From reader reviews:

Sally McGarvey:

In this period globalization it is important to someone to find information. The information will make anyone to understand the condition of the world. The condition of the world makes the information much easier to share. You can find a lot of personal references to get information example: internet, newspapers, book, and soon. You can see that now, a lot of publisher this print many kinds of book. The particular book that recommended to you personally is Building Microservices: Designing Fine-Grained Systems this book consist a lot of the information in the condition of this world now. That book was represented how can the world has grown up. The language styles that writer make usage of to explain it is easy to understand. The writer made some analysis when he makes this book. That's why this book appropriate all of you.

Annis Blank:

Beside this kind of Building Microservices: Designing Fine-Grained Systems in your phone, it might give you a way to get more close to the new knowledge or information. The information and the knowledge you might got here is fresh from your oven so don't end up being worry if you feel like an old people live in narrow community. It is good thing to have Building Microservices: Designing Fine-Grained Systems because this book offers for your requirements readable information. Do you at times have book but you would not get what it's facts concerning. Oh come on, that will not end up to happen if you have this inside your hand. The Enjoyable set up here cannot be questionable, like treasuring beautiful island. So do you still want to miss this? Find this book in addition to read it from now!

Margaret Pace:

Is it you actually who having spare time subsequently spend it whole day through watching television programs or just resting on the bed? Do you need something new? This Building Microservices: Designing

Fine-Grained Systems can be the response, oh how comes? A book you know. You are and so out of date, spending your spare time by reading in this brand new era is common not a geek activity. So what these books have than the others?

Julia Watkins:

Don't be worry should you be afraid that this book will filled the space in your house, you will get it in e-book approach, more simple and reachable. This particular Building Microservices: Designing Fine-Grained Systems can give you a lot of friends because by you investigating this one book you have factor that they don't and make a person more like an interesting person. This kind of book can be one of one step for you to get success. This reserve offer you information that might be your friend doesn't understand, by knowing more than additional make you to be great people. So , why hesitate? Let us have Building Microservices: Designing Fine-Grained Systems.

Download and Read Online Building Microservices: Designing Fine-Grained Systems By Sam Newman #RFXIK149H0D

Read Building Microservices: Designing Fine-Grained Systems By Sam Newman for online ebook

Building Microservices: Designing Fine-Grained Systems By Sam Newman 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 Building Microservices: Designing Fine-Grained Systems By Sam Newman books to read online.

Online Building Microservices: Designing Fine-Grained Systems By Sam Newman ebook PDF download

Building Microservices: Designing Fine-Grained Systems By Sam Newman Doc

Building Microservices: Designing Fine-Grained Systems By Sam Newman Mobipocket

Building Microservices: Designing Fine-Grained Systems By Sam Newman EPub