

Learning Apache Thrift

By Krzysztof Rakowski

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Make applications cross-communicate using Apache Thrift!

About This Book

- Leverage Apache Thrift to enable applications written in different programming languages (Java, C++, Python, PHP, Ruby, and so on) to cross-communicate.
- Learn to make your services ready for real-world applications by using stepwise examples and modifying code from Industry giants.
- Be a crackerjack at solving Apache Thrift-related issues.

Who This Book Is For

If you have some experience of developing applications in one or more languages supported by Apache Thrift (C++, Java, PHP, Python, Ruby, and others) and want to broaden your knowledge and skills in building cross-platform, scalable applications, then this book is for you.

What You Will Learn

- Understand the need for cross-language services and the basics of Apache Thrift.
- Learn how Apache Thrift works and what problems it solves.
- Determine when to use Apache Thrift instead of other methods (REST API), and when not to use it.
- Create and run an example application using Apache Thrift.
- Use Apache Thrift in your applications written in different languages supported by Apache Thrift (PHP, Python, Ruby, Java, and C++).
- Handle exceptions and deal with errors.
- Modify code in different languages.
- Use Apache Thrift in the production environments of big applications.

In Detail

With modern software systems being increasingly complex, providing a scalable communication architecture for applications in different languages is tedious. The Apache Thrift framework is the solution to this problem! It helps build efficient and easy-to-maintain services and offers a plethora of options matching your application type by supporting several popular programming languages, including C++, Java, Python, PHP, Ruby, Erlang, Perl, Haskell, C#, Cocoa, JavaScript, Node.js, Smalltalk, OCaml, and Delphi.

This book will help you set aside the basics of service-oriented systems through your first Apache Thrift-powered app. Then, progressing to more complex examples, it will provide you with tips for running large-scale applications in production environments.

You will learn how to assess when Apache Thrift is the best tool to be used. To start with, you will run a simple example application, learning the framework's structure along the way; you will quickly advance to more complex systems that will help you solve various real-life problems. Moreover, you will be able to add a communication layer to every application written in one of the popular programming languages, with support for various data types and error handling. Further, you will learn how pre-eminent companies use Apache Thrift in their popular applications.

This book is a great starting point if you want to use one of the best tools available to develop cross-language applications in service-oriented architectures.

Style and approach

A stepwise guide to learning Apache Thrift, with ready-to-run examples explained comprehensively. Advanced topics supply the inspiration for further work.

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Editorial Review

About the Author

Krzysztof Rakowski

Krzysztof Rakowski has 13 years of professional experience in IT as a team leader, software developer and architect, and agile project manager. During the course of his career, he has helped major global brands establish their online presence using scalable, fault-tolerant, and high-performance systems. His broad experience comes from various industries, including interactive advertising, banking, retail, and e-commerce. He is a recognized expert, Zend Certified Engineer, and a Professional Scrum Master. Currently, Krzysztof works for the largest online shop in central and eastern Europe?where he is responsible for supervising teams of software engineers and project managers who pair the smartest IT solutions with the best customer experience. He enjoys sharing his knowledge through articles and presentations. He occasionally writes about his side projects on his website at www.rakowski.pro. In his free time, Krzysztof likes to travel around the world with his wife, go snowboarding, or read a good book.

Users Review

From reader reviews:

Sheri Furlong:

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Raul Warren:

The particular book Learning Apache Thrift has a lot associated with on it. So when you read this book you can get a lot of benefit. The book was compiled by the very famous author. Mcdougal makes some research previous to write this book. This specific book very easy to read you can obtain the point easily after reading this article book.

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