Talend for Big Data

By Bahaaldine Azarmi

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Access, transform, and integrate data using Talend's open source, extensible tools

About This Book

- Write complex processing job codes easily with the help of clear and step-by-step instructions
- Compare, filter, evaluate, and group vast quantities of data using Hadoop Pig
- Explore and perform HDFS and RDBMS integration with the Sqoop component

Who This Book Is For

If you are a chief information officer, enterprise architect, data architect, data scientist, software developer, software engineer, or a data analyst who is familiar with data processing projects and who wants to use Talend to get your first Big Data job executed in a reliable, quick, and graphical way, Talend for Big Data is perfect for you.

What You Will Learn

- Discover the structure of the Talend Unified Platform
- Work with Talend HDFS components
- Implement ELT processing jobs using Talend Hive components
- Load, filter, aggregate, and store data using Talend Pig components
- Integrate HDFS with RDBMS using Sqoop components
- Use the streaming pattern for big data
- Learn to reuse the partitioning pattern for Big Data

In Detail

Talend, a successful Open Source Data Integration Solution, accelerates the adoption of new big data technologies and efficiently integrates them into your existing IT infrastructure. It is able to do this because of its intuitive graphical language, its multiple connectors to the Hadoop ecosystem, and its array of tools

for data integration, quality, management, and governance.

This is a concise, pragmatic book that will guide you through design and implement big data transfer easily and perform big data analytics jobs using Hadoop technologies like HDFS, HBase, Hive, Pig, and Sqoop. You will see and learn how to write complex processing job codes and how to leverage the power of Hadoop projects through the design of graphical Talend jobs using business modeler, meta-data repository, and a palette of configurable components.

Starting with understanding how to process a large amount of data using Talend big data components, you will then learn how to write job procedures in HDFS. You will then look at how to use Hadoop projects to process data and how to export the data to your favourite relational database system.

You will learn how to implement Hive ELT jobs, Pig aggregation and filtering jobs, and simple Sqoop jobs using the Talend big data component palette. You will also learn the basics of Twitter sentiment analysis the instructions to format data with Apache Hive.

Talend for Big Data will enable you to start working on big data projects immediately, from simple processing projects to complex projects using common big data patterns.

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Talend for Big Data By Bahaaldine Azarmi Bibliography

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Editorial Review

About the Author

Bahaaldine Azarmi

Bahaaldine Azarmi is the cofounder of reach5.co. With his past experience of working at Oracle and Talend, he has specialized in realtime architecture using serviceoriented architecture products, Big Data projects, and web technologies.

Users Review

From reader reviews:

Luisa Johnson:

The knowledge that you get from Talend for Big Data is a more deep you excavating the information that hide in the words the more you get thinking about reading it. It does not mean that this book is hard to comprehend but Talend for Big Data giving you enjoyment feeling of reading. The article author conveys their point in specific way that can be understood through anyone who read the idea because the author of this publication is well-known enough. This kind of book also makes your own vocabulary increase well. Therefore it is easy to understand then can go along with you, both in printed or e-book style are available. We suggest you for having this Talend for Big Data instantly.

Carl Adams:

The guide with title Talend for Big Data has a lot of information that you can discover it. You can get a lot of help after read this book. That book exist new understanding the information that exist in this reserve represented the condition of the world currently. That is important to yo7u to know how the improvement of the world. This book will bring you with new era of the globalization. You can read the e-book on your smart phone, so you can read this anywhere you want.

Margaret Padua:

The reason why? Because this Talend for Big Data is an unordinary book that the inside of the book waiting for you to snap the item but latter it will jolt you with the secret the idea inside. Reading this book close to it was fantastic author who also write the book in such awesome way makes the content within easier to understand, entertaining technique but still convey the meaning thoroughly. So , it is good for you because of not hesitating having this ever again or you going to regret it. This unique book will give you a lot of rewards than the other book possess such as help improving your proficiency and your critical thinking technique. So , still want to postpone having that book? If I were you I will go to the e-book store hurriedly.

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