Hadoop Blueprints

Anurag Shrivastava

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Key Features

- Learn to solve real-world business problems using Hadoop and other big data technologies
- Power-packed with seven case studies to get you going with Hadoop for Business Intelligence
- Analyze sensor data using Hadoop and develop a data visualization dashboard

Book Description

If you have a basic understanding of Hadoop and want to put your knowledge to use to build fantastic business solutions, then this book is for you.

You will learn to build six real-life, end-to-end applications using Hadoop in its ecosystem. Each chapter will cover the steps required to build an application end to end. We start off by discussing various industry use cases and the associated business cases. We also discuss common architectural patterns. Next, you'll learn how to import and utilize structured and semi-structured data to build a 360-degree view of the customer. We'll also build a classification model based upon historical data using a machine learning library. We then move on to use an analytics model to predict the likelihood of a certain event.

Through these real-world cases, you'll take your Hadoop learning to the next level. You will be able to try out the solutions explained in the book and use the knowledge gained to extend them further in your own problem space.

What you will learn

- Use Sqoop and Hive to build your customer a 360 degree view
- Use Spark and Hadoop to build a fraud detection system
- See how customer master data and transaction streams can be used to build a fraud detection system
- Familiarize yourself on how machine-learning libraries can be used with Hadoop to solve business problems
- Collect data through GPS sensors to build dashboards using visualization
- Get to grips with building a Hadoop-based Data Lake for large enterprises

About the Author

Anurag Shrivastava is an engineering manager with a background in programming and consulting. Anurag has been associated with Xebia, ING Bank, and IndicInfo in various technology and management leadership positions. Anurag is the founder of Nuospin, which is a specialized product development company focused on Nodejs, MongoDB, Apache Spark, and Hadoop.

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