Hadoop: The Definitive Guide

Tom White

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Discover how Apache Hadoop can unleash the power of your data. This comprehensive resource shows you how to build and maintain reliable, scalable, distributed systems with the Hadoop framework -- an open source implementation of MapReduce, the algorithm on which Google built its empire. Programmers will find details for analyzing datasets of any size, and administrators will learn how to set up and run Hadoop clusters.

This revised edition covers recent changes to Hadoop, including new features such as Hive, Sqoop, and Avro. It also provides illuminating case studies that illustrate how Hadoop is used to solve specific problems. Looking to get the most out of your data? This is your book.

- Use the Hadoop Distributed File System (HDFS) for storing large datasets, then run distributed computations over those datasets with MapReduce
- Become familiar with Hadoop's data and I/O building blocks for compression, data integrity, serialization, and persistence
- Discover common pitfalls and advanced features for writing real-world MapReduce programs
- Design, build, and administer a dedicated Hadoop cluster, or run Hadoop in the cloud
- Use Pig, a high-level query language for large-scale data processing
- Analyze datasets with Hive, Hadoop's data warehousing system
- Take advantage of HBase, Hadoop's database for structured and semi-structured data
- Learn ZooKeeper, a toolkit of coordination primitives for building distributed systems

"Now you have the opportunity to learn about Hadoop from a master -- not only of the technology, but also of common sense and plain talk."

--Doug Cutting, Cloudera

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Julie Ross:

Hadoop: The Definitive Guide can be one of your beginning books that are good idea. We all recommend that straight away because this book has good vocabulary that could increase your knowledge in vocabulary, easy to understand, bit entertaining but delivering the information. The author giving his/her effort to place every word into satisfaction arrangement in writing Hadoop: The Definitive Guide but doesn't forget the main level, giving the reader the hottest and based confirm resource details that maybe you can be one of it. This great information could drawn you into completely new stage of crucial imagining.

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