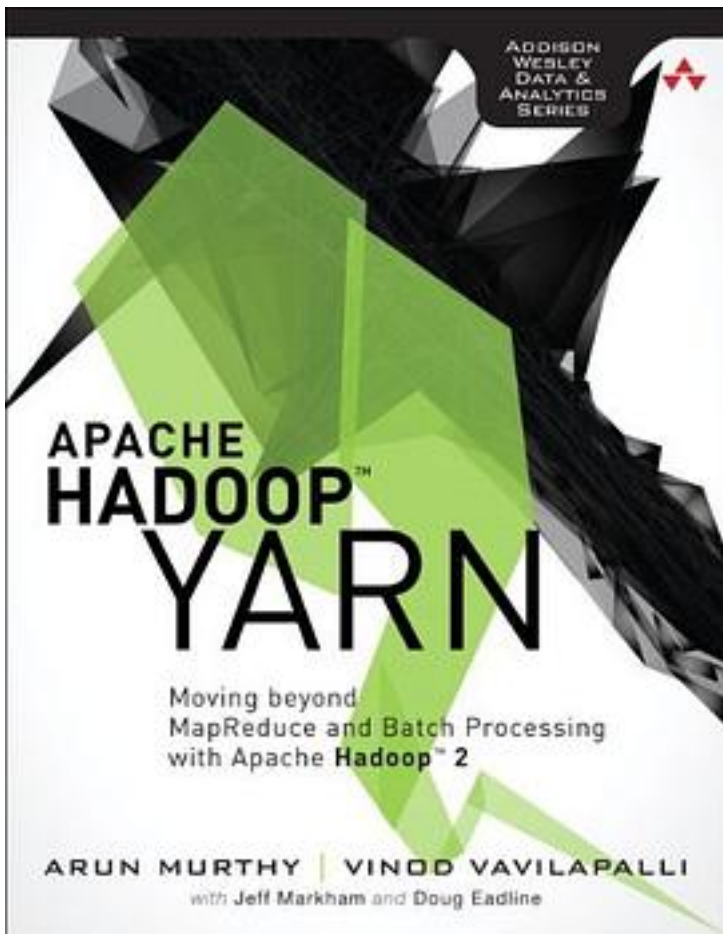


Apache Hadoop YARN



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Apache Hadoop is right at the heart of the Big Data revolution. In the brand-new Release 2, Hadoop's data processing has been thoroughly overhauled. The result is Apache Hadoop YARN, a generic compute fabric providing resource management at

datacenter scale, and a simple method to implement distributed applications such as MapReduce to process petabytes of data on Apache Hadoop HDFS. Apache Hadoop 2 and YARN truly deserve to be called breakthroughs.

In Apache Hadoop YARN , key YARN developer Arun Murthy shows how the key design changes in Apache Hadoop lead to increased scalability and cluster utilization, new programming models and services, and the ability to move beyond Java and batch processing within the Hadoop ecosystem. Readers also learn to run existing applications like Pig and Hive under the Apache Hadoop 2 MapReduce framework, and develop new applications that take absolutely full advantage of Hadoop YARN resources. Drawing on insights from the entire Apache Hadoop 2 team, Murthy and Dr. Douglas Eadline:

Review Apache Hadoop YARN' s goals, design, architecture, and components

Guide you through installation and administration of the new YARN architecture,

Demonstrate how to optimize existing MapReduce applications quickly

Identify the functional requirements for each element of an Apache Hadoop 2 application

Walk you through a complete sample application project

Offer multiple examples and case studies drawn from their cutting-edge experience

作者介绍:

About the Author

Arun Murthy (California) has contributed to Apache Hadoop full-time since the inception of the project in early 2006. He is a long-term Hadoop Committer and a member of the Apache Hadoop Project Management Committee. Previously, he was the architect and lead of the Yahoo Hadoop Map-Reduce development team and was ultimately responsible, technically, for providing Hadoop Map-Reduce as a service for all of Yahoo - currently running on nearly 50,000 machines! Arun is the Founder and Architect of the Hortonworks Inc., a software company that is helping to accelerate the development and adoption of Apache Hadoop. Hortonworks was formed by the key architects and core Hadoop committers from the Yahoo! Hadoop software engineering team in June 2011 in order to accelerate the development and adoption of Apache Hadoop. Funded by Yahoo! and Benchmark Capital, one of the preeminent technology investors, their goal is to ensure that Apache Hadoop becomes the standard platform for storing, processing, managing and analyzing big data. He lives in Silicon Valley in California.

Douglas Eadline (Pennsylvania), PhD, began his career as a practitioner and a chronicler of the Linux Cluster HPC revolution and now documents big data analytics. Starting with the first Beowulf How To document, Dr. Eadline has written hundreds of articles, white papers, and instructional documents covering virtually all aspects of HPC computing. Prior to starting and editing the popular ClusterMonkey.net web site in 2005, he served as Editorinchief for ClusterWorld Magazine, and was Senior HPC Editor for Linux Magazine. Currently, he is a consultant to the HPC industry and writes a monthly column in HPC Admin Magazine. Both clients and readers have recognized Dr.

Eadline's ability to present a "technological value proposition" in a clear and accurate style. He has practical hands on experience in many aspects of HPC including, hardware and software design, benchmarking, storage, GPU, cloud, and parallel computing.

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标签

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评论

<http://yarn-book.com>

不仅介绍了YARN的核心基础概念及运行机制，还介绍了安装、运行、管理YARN（及HDFS）~更深入点的东西源码见~

概述性的介绍架构，非常清楚

几天前小组长才买完hadoop1权威指南，为什么yarn权威指南没有人看呢？其实yarn才是大数据框架的未来，本书第四章和第七章介绍架构部分是精华，其他地方可以略过。本书还是很值得一读。

这本书是介绍YARN原理的目前最好的书。虽然国内也有基本介绍YARN的书，但是远不及这本书。行文流畅，结构条理，讲解深入。

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书评

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