



Learning YARN

Akhil Arora, Shrey Mehrotra

Download now

[Click here](#) if your download doesn't start automatically

Learning YARN

Akhil Arora, Shrey Mehrotra

Learning YARN Akhil Arora, Shrey Mehrotra

Moving beyond MapReduce - learn resource management and big data processing using YARN

About This Book

- Deep dive into YARN components, schedulers, life cycle management and security architecture
- Create your own Hadoop-YARN applications and integrate big data technologies with YARN
- Step-by-step guide to provision, manage, and monitor Hadoop-YARN clusters with ease

Who This Book Is For

This book is intended for those who want to understand what YARN is and how to efficiently use it for the resource management of large clusters. For cluster administrators, this book gives a detailed explanation of provisioning and managing YARN clusters. If you are a Java developer or an open source contributor, this book will help you to drill down the YARN architecture, write your own YARN applications and understand the application execution phases. This book will also help big data engineers explore YARN integration with real-time analytics technologies such as Spark and Storm.

What You Will Learn

- Explore YARN features and offerings
- Manage big data clusters efficiently using the YARN framework
- Create single as well as multi-node Hadoop-YARN clusters on Linux machines
- Understand YARN components and their administration
- Gain insights into application execution flow over a YARN cluster
- Write your own distributed application and execute it over YARN cluster
- Work with schedulers and queues for efficient scheduling of applications
- Integrate big data projects like Spark and Storm with YARN

In Detail

Today enterprises generate huge volumes of data. In order to provide effective services and to make smarter and more intelligent decisions from these huge volumes of data, enterprises use big-data analytics. In recent years, Hadoop has been used for massive data storage and efficient distributed processing of data. The Yet Another Resource Negotiator (YARN) framework solves the design problems related to resource management faced by the Hadoop 1.x framework by providing a more scalable, efficient, flexible, and highly available resource management framework for distributed data processing.

This book starts with an overview of the YARN features and explains how YARN provides a business solution for growing big data needs. You will learn to provision and manage single, as well as multi-node, Hadoop-YARN clusters in the easiest way. You will walk through the YARN administration, life cycle management, application execution, REST APIs, schedulers, security framework and so on. You will gain

insights about the YARN components and features such as ResourceManager, NodeManager, ApplicationMaster, Container, Timeline Server, High Availability, Resource Localisation and so on.

The book explains Hadoop-YARN commands and the configurations of components and explores topics such as High Availability, Resource Localization and Log aggregation. You will then be ready to develop your own ApplicationMaster and execute it over a Hadoop-YARN cluster.

Towards the end of the book, you will learn about the security architecture and integration of YARN with big data technologies like Spark and Storm. This book promises conceptual as well as practical knowledge of resource management using YARN.

Style and approach

Starting with the basics and covering the core concepts with the practical usage, this tutorial is a complete guide to learn and explore YARN offerings.

 [Download Learning YARN ...pdf](#)

 [Read Online Learning YARN ...pdf](#)

Download and Read Free Online Learning YARN Akhil Arora, Shrey Mehrotra

From reader reviews:

Maxine Elam:

Do you have favorite book? When you have, what is your favorite's book? Publication is very important thing for us to be aware of everything in the world. Each reserve has different aim or maybe goal; it means that book has different type. Some people feel enjoy to spend their time and energy to read a book. They are reading whatever they get because their hobby is actually reading a book. Consider the person who don't like looking at a book? Sometime, person feel need book when they found difficult problem as well as exercise. Well, probably you will need this Learning YARN.

Michelle Jarvis:

The book Learning YARN gives you the sense of being enjoy for your spare time. You need to use to make your capable far more increase. Book can being your best friend when you getting tension or having big problem with the subject. If you can make reading through a book Learning YARN to be your habit, you can get considerably more advantages, like add your own capable, increase your knowledge about a number of or all subjects. You are able to know everything if you like wide open and read a reserve Learning YARN. Kinds of book are several. It means that, science reserve or encyclopedia or other individuals. So , how do you think about this guide?

Hugo Carter:

Reading a e-book can be one of a lot of pastime that everyone in the world adores. Do you like reading book and so. There are a lot of reasons why people love it. First reading a reserve will give you a lot of new information. When you read a reserve you will get new information mainly because book is one of numerous ways to share the information or perhaps their idea. Second, reading through a book will make a person more imaginative. When you reading through a book especially tale fantasy book the author will bring you to imagine the story how the character types do it anything. Third, you can share your knowledge to other individuals. When you read this Learning YARN, it is possible to tells your family, friends as well as soon about yours book. Your knowledge can inspire average, make them reading a e-book.

Naomi Dillon:

As a student exactly feel bored for you to reading. If their teacher expected them to go to the library or to make summary for some book, they are complained. Just small students that has reading's heart and soul or real their interest. They just do what the instructor want, like asked to the library. They go to presently there but nothing reading very seriously. Any students feel that reading is not important, boring as well as can't see colorful pictures on there. Yeah, it is for being complicated. Book is very important for you personally. As we know that on this era, many ways to get whatever we wish. Likewise word says, ways to reach Chinese's country. Therefore , this Learning YARN can make you experience more interested to read.

Download and Read Online Learning YARN Akhil Arora, Shrey Mehrotra #EHIFLUO01XT

Read Learning YARN by Akhil Arora, Shrey Mehrotra for online ebook

Learning YARN by Akhil Arora, Shrey Mehrotra Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Learning YARN by Akhil Arora, Shrey Mehrotra books to read online.

Online Learning YARN by Akhil Arora, Shrey Mehrotra ebook PDF download

Learning YARN by Akhil Arora, Shrey Mehrotra Doc

Learning YARN by Akhil Arora, Shrey Mehrotra Mobipocket

Learning YARN by Akhil Arora, Shrey Mehrotra EPub