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Collana	Community Experience Distilled
Disciplina	004.36
Soggetti	Electronic data processing - Distributed processing File organization (Computer science) - Computer programs
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Cover; Copyright; Credits; About the Author; About the Reviewers; www.PacktPub.com; Table of Contents; Preface; Chapter 1: Getting Started with Apache Hadoop; History of Apache Hadoop and its trends; Components of Apache Hadoop; Understanding the Apache Hadoop daemons; Namenode; Secondary namenode; Jobtracker; Tasktracker; Resource Manager; NodeManager; Job submission in YARN; Introducing Cloudera; Introducing CDH; Responsibilities of a Hadoop administrator; Summary; Chapter 2: HDFS and Map Reduce; Essentials of HDFS; Configuring HDFS; The read/write operational flow in HDFS Writing files in HDFS Reading files in HDFS Understanding the name node UI Understanding the secondary namenode UI Exploring HDFS commands Commonly used HDFS commands Commands to administer HDFS Getting acquainted with MapReduce Understanding the map phase Understanding the reduce phase Learning all about the MapReduce job flow Configuring MapReduce Understanding the jobtracker UI Getting MapReduce job information Summary; Chapter 3: Cloudera's Distribution Including Apache Hadoop - CDH; Getting started with CDH; Understanding the CDH components; Apache Hadoop; Apache Flume NG Apache Sqoop Apache Pig; Apache Hive; Apache ZooKeeper; Apache

HBase; Apache Whirr; Snappy - previously known as Zippy; Apache Mahout; Apache Avro; Apache Oozie; Cloudera Search; Cloudera Impala; Cloudera Hue; Beeswax - Hive UI; Cloudera Impala UI; Pig UI; File Browser; Metastore Manager; Sqoop Jobs; Job Browser; Job Designs; Dashboard; Collection Manager; Hue Shell; HBase Browser; Installing CDH; Stopping Hadoop services; Understanding a YARN cluster; Installing the CDH components; Installing Apache Flume; Installing Apache Sqoop; Installing Apache Sqoop 2; Installing Apache Pig; Installing Apache Hive; Installing Apache Oozie; Installing Apache ZooKeeper; Summary; Chapter 4: Exploring HDFS Federation and Its High Availability; Implementing HDFS Federation; Configuring HDFS Federation; Configuring ViewFS for federated HDFS; Implementing HDFS High Availability; Quorum-based storage; Configuring HDFS high availability by Quorum-based storage; Shared storage using NFS; Configuring HDFS high availability by shared storage sing NFS; Configuring automatic fail over for HDFS high availability; Jobtracker high availability; Configuring Jobtracker High Availability; Configuring automatic fail over for Job tracker high availability; Summary; Chapter 5: Using Cloudera Manager; Introducing Cloudera Manager; Understanding the Cloudera Manager architecture; Installing Cloudera Manager; Navigating the Cloudera Manager Web console; Navigating the Home screen; Navigating the Clusters menu; Exploring the Hosts menu; Understanding the Diagnostics menu; Understanding the Audits screen; Understanding the Charts menu; Understanding the Backup menu; Understanding the Administration menu; Configuring High Availability using Cloudera Manager; Summary; Chapter 6: Implementing Security Using Kerberos

Sommario/riassunto

An easy-to-follow Apache Hadoop administrator's guide filled with practical screenshots and explanations for each step and configuration. This book is great for administrators interested in setting up and managing a large Hadoop cluster. If you are an administrator, or want to be an administrator, and you are ready to build and maintain a production-level cluster running CDH5, then this book is for you.
