1. Record Nr. UNINA9910807848203321 Autore Lublinsky Boris Titolo Professional hadoop solutions / / Boris Lublinsky, Kevin T. Smith, Alexey Yakubovich Indianapolis, IN:,: John Wiley and Sons,, [2013] Pubbl/distr/stampa ©2013 **ISBN** 1-118-82418-0 1-118-61254-X Edizione [1st edition] Descrizione fisica 1 online resource (506 p.) Wrox Programmer to programmer Collana Altri autori (Persone) SmithKevin T YakubovichAlexey Disciplina 005.74 Soggetti Electronic data processing - Distributed processing File organization (Computer science) Cloud computing Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Professional Hadoop® Solutions; Copyright; Credits; About the Authors; About the Technical Editors; Acnowledgments; Contents; Introduction; Who This Book Is For; What This Book Covers; How This Book Is Structured; What You Need to Use This Book; Conventions; Source Code; Errata; P2P.Wrox.Com; Chapter 1: Big Data and the Hadoop Ecosystem; Big Data Meets Hadoop; Hadoop: Meeting the Big Data Challenge; Data Science in the Business World; The Hadoop Ecosystem; Hadoop Core Components: Hadoop Distributions: Developing Enterprise Applications with Hadoop; Summary; Chapter 2: Storing Data in Hadoop HDFSHDFS Architecture; Using HDFS Files; Hadoop-Specific File Types; HDFS Federation and High Availability; HBase; HBase Architecture; HBase Schema Design; Programming for HBase; New HBase Features; Combining HDFS and HBase for Effective Data Storage; Using Apache Avro; Managing Metadata with HCatalog; Choosing an Appropriate Hadoop Data Organization for Your Applications; Summary; Chapter 3: Processing Your Data with MapReduce; Getting to Know MapReduce;

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Sommario/riassunto

The go-to guidebook for deploying Big Data solutions with Hadoop Today's enterprise architects need to understand how the Hadoop frameworks and APIs fit together, and how they can be integrated to deliver real-world solutions. This book is a practical, detailed guide to building and implementing those solutions, with code-level instruction in the popular Wrox tradition. It covers storing data with HDFS and Hbase, processing data with MapReduce, and automating data processing with Oozie. Hadoop security, running Hadoop with Amazon Web Services, best practices, and automating Hadoop