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Hadoop Backup And Recovery Solutions

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Hadoop Backup And Recovery Solutions:

Hadoop Backup and Recovery Solutions Gaurav Barot,Chintan Mehta,Amij Patel,2015-07-28 If you are a Hadoop administrator and you want to get a good grounding in how to back up large amounts of data and manage Hadoop clusters then this book is for you

Professional Hadoop Solutions Boris Lublinsky, Kevin T. Smith, Alexey Yakubovich, 2013-09-12 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 processes in real time are also covered in depth With in depth code examples in Java and XML and the latest on recent additions to the Hadoop ecosystem this complete resource also covers the use of APIs exposing their inner workings and allowing architects and developers to better leverage and customize them The ultimate guide for developers designers and architects who need to build and deploy Hadoop applications Covers storing and processing data with various technologies automating data processing Hadoop security and delivering real time solutions Includes detailed real world examples and code level guidelines Explains when why and how to use these tools effectively Written by a team of Hadoop experts in the programmer to programmer Wrox style Professional Hadoop Solutions is the reference enterprise architects and developers need to maximize the power of Hadoop

Learning YARN Akhil Arora, Shrey Mehrotra, 2015-09-28 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

MySQL 8 Administrator's Guide Chintan Mehta, Ankit K Bhavsar, Hetal Oza, Subhash Shah, 2018-02-15 Step by step guide to monitor manage and secure your database engine Key Features Your companion to master all the administration related tasks in MySQL 8 Ensure high performance and high availability of your MySQL solution using effective replication and backup techniques A comprehensive guide to performing query optimization security and a whole host of other administrative tasks in MySQL 8 Book Description MySQL is one of the most popular and widely used relational databases in the world today The recently released version 8.0 brings along some major advancements in the way your MySQL solution can be administered This handbook will be your companion to understand the newly introduced features in MySQL and how you can leverage them to design a high performance MySQL solution for your organization This book starts with a brief introduction to the newly introduced features in MySQL 8 followed by quickly jumping onto the crucial administration topics that you will find useful in your day to day work Topics such as migrating to MySQL 8 MySQL benchmarking achieving high performance by implementing the indexing techniques and optimizing your queries are covered in this book You will also learn how to perform replication scale your MySQL solution and implement effective security techniques A special section on the common and not so common troubleshooting techniques for effective MySQL administration is also covered in this book By the end of this highly practical book you will have all the knowledge you need to tackle any problem you might encounter while administering your MySQL solution What you will learn Understanding different MySQL 8 data types based on type of

contents and storage requirements Best practices for optimal use of features in MySQL 8 Explore globalization configuration and caching techniques to improve performance Create custom storage engine as per system requirements Learn various ways of index implementation for flash memory storages Configure and implement replication along with approaches to use replication as solution Understand how to make your MySQL 8 solution highly available Troubleshoot common issues and identify error codes while using MySQL 8 Who this book is for This book is intended for MySQL administrators who are looking for a handy guide covering all the MySQL administration related tasks If you are a DBA looking to get started with MySQL administration this book will also help you Knowledge of the basic database concepts is required to get started with this book MySQL 8 for Big Data Shabbir Challawala, Jaydip Lakhatariya, Chintan Mehta, Kandarp Patel, 2017-10-20

Uncover the power of MySQL 8 for Big Data About This Book Combine the powers of MySQL and Hadoop to build a solid Big Data solution for your organization Integrate MySQL with different NoSQL APIs and Big Data tools such as Apache Sqoop A comprehensive guide with practical examples on building a high performance Big Data pipeline with MySQL Who This Book Is For This book is intended for MySQL database administrators and Big Data professionals looking to integrate MySQL 8 and Hadoop to implement a high performance Big Data solution Some previous experience with MySQL will be helpful although the book will highlight the newer features introduced in MySQL 8 What You Will Learn Explore the features of MySQL 8 and how they can be leveraged to handle Big Data Unlock the new features of MySQL 8 for managing structured and unstructured Big Data Integrate MySQL 8 and Hadoop for efficient data processing Perform aggregation using MySQL 8 for optimum data utilization Explore different kinds of join and union in MySQL 8 to process Big Data efficiently Accelerate Big Data processing with Memcached Integrate MySQL with the NoSQL API Implement replication to build highly available solutions for Big Data In Detail With organizations handling large amounts of data on a regular basis MySQL has become a popular solution to handle this structured Big Data In this book you will see how DBAs can use MySQL 8 to handle billions of records and load and retrieve data with performance comparable or superior to commercial DB solutions with higher costs Many organizations today depend on MySQL for their websites and a Big Data solution for their data archiving storage and analysis needs However integrating them can be challenging This book will show you how to implement a successful Big Data strategy with Apache Hadoop and MySQL 8 It will cover real time use case scenario to explain integration and achieve Big Data solutions using technologies such as Apache Hadoop Apache Sqoop and MySQL Applier Also the book includes case studies on Apache Sqoop and real time event processing By the end of this book you will know how to efficiently use MySQL 8 to manage data for your Big Data applications Style and approach Step by Step guide filled with real world practical examples *Building Serverless Web Applications* Diego Zanon, 2017-07-28 Build scalable efficient and highly available web apps using AWS About This Book Get an in depth understanding of the serverless model Build a complete serverless web application end to end Learn how to use the Serverless Framework to improve your productivity Who This Book Is For If you

re looking to learn more about scalable and cost efficient architectures this book is for you Basic knowledge of Node js skills or familiarity with cloud services is required For other topics we cover the basics What You Will Learn Get a grasp of the pros and cons of going serverless and its use cases Discover how you can use the building blocks of AWS to your advantage Set up the environment and create a basic app with the Serverless Framework Host static files on S3 and CloudFront with HTTPS support Build a sample application with a frontend using React as an SPA Develop the Node js backend to handle requests and connect to a SimpleDB database Secure your applications with authentication and authorization Implement the publish subscribe pattern to handle notifications in a serverless application Create tests define the workflow for deployment and monitor your app In Detail This book will equip you with the knowledge needed to build your own serverless apps by showing you how to set up different services while making your application scalable highly available and efficient We begin by giving you an idea of what it means to go serverless exploring the pros and cons of the serverless model and its use cases Next you will be introduced to the AWS services that will be used throughout the book how to estimate costs and how to set up and use the Serverless Framework From here you will start to build an entire serverless project of an online store beginning with a React SPA frontend hosted on AWS followed by a serverless backend with API Gateway and Lambda functions You will also learn to access data from a SimpleDB database secure the application with authentication and authorization and implement serverless notifications for browsers using AWS IoT This book will describe how to monitor the performance efficiency and errors of your apps and conclude by teaching you how to test and deploy your applications Style and approach This book takes a step by step approach on how to use the Serverless Framework and AWS services to build Serverless Applications It will give you a hands on feeling allowing you to practice while reading It provides a brief introduction of concepts while keeping the focus on the practical skills required to develop applications

Data Analysis and Business Modeling with Excel 2013 David Rojas, 2015-10-27 Manage analyze and visualize data with Microsoft Excel 2013 to transform raw data into ready to use information About This Book Create formulas to help you analyze and explain findings Develop interactive spreadsheets that will impress your audience and give them the ability to slice and dice data A step by step guide to learn various ways to model data for businesses with the help of Excel 2013 Who This Book Is For If you want to start using Excel 2013 for data analysis and business modeling and enhance your skills in the data analysis life cycle then this book is for you whether you re new to Excel or experienced What You Will Learn Discover what Excel formulas are all about and how to use them in your spreadsheet development Identify bad data and learn cleaning strategies Create interactive spreadsheets that engage and appeal to your audience Leverage Excel s powerful built in tools to get the median maximum and minimum values of your data Build impressive tables and combine datasets using Excel s built in functionality Learn the powerful scripting language VBA allowing you to implement your own custom solutions with ease In Detail Excel 2013 is one of the easiest to use data analysis tools you will ever come across Its simplicity and powerful features has made it the go to tool for

all your data needs Complex operations with Excel such as creating charts and graphs visualization and analyzing data make it a great tool for managers data scientists financial data analysts and those who work closely with data Learning data analysis and will help you bring your data skills to the next level This book starts by walking you through creating your own data and bringing data into Excel from various sources You ll learn the basics of SQL syntax and how to connect it to a Microsoft SQL Server Database using Excel s data connection tools You will discover how to spot bad data and strategies to clean that data to make it useful to you Next you ll learn to create custom columns identify key metrics and make decisions based on business rules You ll create macros using VBA and use Excel 2013 s shiny new macros Finally at the end of the book you ll be provided with useful shortcuts and tips enabling you to do efficient data analysis and business modeling with Excel 2013 Style and approach This is a step by step guide to performing data analysis and business modelling with Excel 2013 complete with examples and tips

Hands-On High Performance with Spring 5 Chintan Mehta,Subhash Shah,Pritesh Shah,Prashant Goswami,Dinesh Radadiya,2018-06-12 A hands on guide to creating monitoring and tuning a high performance Spring web application Key Features Understand common performance pitfalls and improve your application s performance Build and deploy strategies for complex applications using the microservice architecture Understand internals of JVM the core of all Java Runtime Environments Book Description While writing an application performance is paramount Performance tuning for real world applications often involves activities geared toward detecting bottlenecks The recent release of Spring 5 0 brings major advancements in the rich API provided by the Spring framework which means developers need to master its tools and techniques to achieve high performance applications Hands On High Performance with Spring 5 begins with the Spring framework s core features exploring the integration of different Spring projects It proceeds to evaluate various Spring specifications to identify those adversely affecting performance You will learn about bean wiring configurations aspect oriented programming database interaction and Hibernate to focus on the metrics that help identify performance bottlenecks You will also look at application monitoring performance optimization JVM internals and garbage collection optimization Lastly the book will show you how to leverage the microservice architecture to build a high performance and resilient application By the end of the book you will have gained an insight into various techniques and solutions to build and troubleshoot high performance Spring based applications What you will learn Master programming best practices and performance improvement with bean wiring Analyze the performance of various AOP implementations Explore database interactions with Spring to optimize design and configuration Solve Hibernate performance issues and traps Leverage multithreading and concurrent programming to improve application performance Gain a solid foundation in JVM performance tuning using various tools Learn the key concepts of the microservice architecture and how to monitor them Perform Spring Boot performance tuning monitoring and health checks Who this book is for If you re a Spring developer who d like to build high performance applications and have more control over your application s performance in

production and development this book is for you Some familiarity with Java Maven and Eclipse is necessary **Hadoop Operations** Eric Sammer,2012-10-09 For system administrators tasked with the job of maintaining large and complex Hadoop clusters this book explains the particulars of Hadoop operations from planning installing and configuring the system to providing ongoing maintenance **Hands-On Natural Language Processing with PyTorch 1.x** Thomas Dop,2020-07-09 Become a proficient NLP data scientist by developing deep learning models for NLP and extract valuable insights from structured and unstructured data Key FeaturesGet to grips with word embeddings semantics labeling and high level word representations using practical examplesLearn modern approaches to NLP and explore state of the art NLP models using PyTorchImprove your NLP applications with innovative neural networks such as RNNs LSTMs and CNNsBook Description In the internet age where an increasing volume of text data is generated daily from social media and other platforms being able to make sense of that data is a crucial skill With this book you ll learn how to extract valuable insights from text by building deep learning models for natural language processing NLP tasks Starting by understanding how to install PyTorch and using CUDA to accelerate the processing speed you ll explore how the NLP architecture works with the help of practical examples This PyTorch NLP book will guide you through core concepts such as word embeddings CBOW and tokenization in PyTorch You ll then learn techniques for processing textual data and see how deep learning can be used for NLP tasks The book demonstrates how to implement deep learning and neural network architectures to build models that will allow you to classify and translate text and perform sentiment analysis Finally you ll learn how to build advanced NLP models such as conversational chatbots By the end of this book you ll not only have understood the different NLP problems that can be solved using deep learning with PyTorch but also be able to build models to solve them What you will learnUse NLP techniques for understanding processing and generating textUnderstand PyTorch its applications and how it can be used to build deep linguistic modelsExplore the wide variety of deep learning architectures for NLPDevelop the skills you need to process and represent both structured and unstructured NLP dataBecome well versed with state of the art technologies and exciting new developments in the NLP domainCreate chatbots using attention based neural networksWho this book is for This PyTorch book is for NLP developers machine learning and deep learning developers and anyone interested in building intelligent language applications using both traditional NLP approaches and deep learning architectures If you re looking to adopt modern NLP techniques and models for your development projects this book is for you Working knowledge of Python programming along with basic working knowledge of NLP tasks is required **Hands-On Natural Language Processing with Python** Rajesh Arumugam,Rajalingappaa Shanmugamani,2018-07-18 Foster your NLP applications with the help of deep learning NLTK and TensorFlow Key Features Weave neural networks into linguistic applications across various platforms Perform NLP tasks and train its models using NLTK and TensorFlow Boost your NLP models with strong deep learning architectures such as CNNs and RNNs Book Description Natural language processing NLP

has found its application in various domains such as web search advertisements and customer services and with the help of deep learning we can enhance its performances in these areas Hands On Natural Language Processing with Python teaches you how to leverage deep learning models for performing various NLP tasks along with best practices in dealing with today s NLP challenges To begin with you will understand the core concepts of NLP and deep learning such as Convolutional Neural Networks CNNs recurrent neural networks RNNs semantic embedding Word2vec and more You will learn how to perform each and every task of NLP using neural networks in which you will train and deploy neural networks in your NLP applications You will get accustomed to using RNNs and CNNs in various application areas such as text classification and sequence labeling which are essential in the application of sentiment analysis customer service chatbots and anomaly detection You will be equipped with practical knowledge in order to implement deep learning in your linguistic applications using Python s popular deep learning library TensorFlow By the end of this book you will be well versed in building deep learning backed NLP applications along with overcoming NLP challenges with best practices developed by domain experts What you will learn Implement semantic embedding of words to classify and find entities Convert words to vectors by training in order to perform arithmetic operations Train a deep learning model to detect classification of tweets and news Implement a question answer model with search and RNN models Train models for various text classification datasets using CNN Implement WaveNet a deep generative model for producing a natural sounding voice Convert voice to text and text to voice Train a model to convert speech to text using DeepSpeech Who this book is for Hands on Natural Language Processing with Python is for you if you are a developer machine learning or an NLP engineer who wants to build a deep learning application that leverages NLP techniques This comprehensive guide is also useful for deep learning users who want to extend their deep learning skills in building NLP applications All you need is the basics of machine learning and Python to enjoy the book

Mastering Apache Solr 7.x Sandeep Nair,Chintan Mehta,Dharmesh Vasoya,2018-02-22 Accelerate your enterprise search engine and bring relevancy in your search analytics Key Features A practical guide in building expertise with Indexing Faceting Clustering and Pagination Master the management and administration of Enterprise Search Applications and services seamlessly Handle multiple data inputs such as JSON xml pdf doc xls ppt csv and much more Book Description Apache Solr is the only standalone enterprise search server with a REST like application interface providing highly scalable distributed search and index replication for many of the world s largest internet sites To begin with you would be introduced to how you perform full text search multiple filter search perform dynamic clustering and so on helping you to brush up the basics of Apache Solr You will also explore the new features and advanced options released in Apache Solr 7 x which will get you numerous performance aspects and making data investigation simpler easier and powerful You will learn to build complex queries extensive filters and how are they compiled in your system to bring relevance in your search tools You will learn to carry out Solr scoring elements affecting the document score and how you can optimize or tune the score

for the application at hand You will learn to extract features of documents writing complex queries in re ranking the documents You will also learn advanced options helping you to know what content is indexed and how the extracted content is indexed Throughout the book you would go through complex problems with solutions along with varied approaches to tackle your business needs By the end of this book you will gain advanced proficiency to build out of box smart search solutions for your enterprise demands What you will learn Design schema using schema API to access data in the database Advance querying and fine tuning techniques for better performance Get to grips with indexing using Client API Set up a fault tolerant and highly available server with newer distributed capabilities SolrCloud Explore Apache Tika to upload data with Solr Cell Understand different data operations that can be done while indexing Master advanced querying through Velocity Search UI faceting and Query Re ranking pagination and spatial search Learn to use JavaScript Python SolrJ and Ruby for interacting with Solr Who this book is for The book would rightly appeal to developers software engineers data engineers and database architects who are building or seeking to build enterprise wide effective search engines for business intelligence Prior experience of Apache Solr or Java programming is must to take the best of this book **Big Data**

Analytics with Hadoop 3 Sridhar Alla,2018-05-31 Explore big data concepts platforms analytics and their applications using the power of Hadoop 3 Key Features Learn Hadoop 3 to build effective big data analytics solutions on premise and on cloud Integrate Hadoop with other big data tools such as R Python Apache Spark and Apache Flink Exploit big data using Hadoop 3 with real world examples Book Description Apache Hadoop is the most popular platform for big data processing and can be combined with a host of other big data tools to build powerful analytics solutions Big Data Analytics with Hadoop 3 shows you how to do just that by providing insights into the software as well as its benefits with the help of practical examples Once you have taken a tour of Hadoop 3 s latest features you will get an overview of HDFS MapReduce and YARN and how they enable faster more efficient big data processing You will then move on to learning how to integrate Hadoop with the open source tools such as Python and R to analyze and visualize data and perform statistical computing on big data As you get acquainted with all this you will explore how to use Hadoop 3 with Apache Spark and Apache Flink for real time data analytics and stream processing In addition to this you will understand how to use Hadoop to build analytics solutions on the cloud and an end to end pipeline to perform big data analysis using practical use cases By the end of this book you will be well versed with the analytical capabilities of the Hadoop ecosystem You will be able to build powerful solutions to perform big data analytics and get insight effortlessly What you will learn Explore the new features of Hadoop 3 along with HDFS YARN and MapReduce Get well versed with the analytical capabilities of Hadoop ecosystem using practical examples Integrate Hadoop with R and Python for more efficient big data processing Learn to use Hadoop with Apache Spark and Apache Flink for real time data analytics Set up a Hadoop cluster on AWS cloud Perform big data analytics on AWS using Elastic Map Reduce Who this book is for Big Data Analytics with Hadoop 3 is for you if you are looking to build high

performance analytics solutions for your enterprise or business using Hadoop 3 s powerful features or you re new to big data analytics A basic understanding of the Java programming language is required The Implication of Cyberattacks on Big Data and How to Mitigate the Risk Fadele Ayotunde Alaba,Alvaro Rocha,2025-04-24 This comprehensive book explores the challenges posed by cyberattacks on big data systems and their corresponding mitigation strategies The book is organized into logical chapters each focusing on specific aspects of the subject ensuring clarity and depth in addressing the multifaceted nature of the problem The introductory chapter provides a clear overview of the problem introducing the prevalence of cyberattacks on big data systems the motivation for addressing these risks and the goals of the book It also outlines the goals of the book such as identifying vulnerabilities evaluating mitigation strategies and proposing integrated solutions The second chapter provides a detailed examination of cyberattacks emphasizing their implications for big data systems It systematically categorizes tools and techniques available for mitigating these risks including identity and access management IAM symmetric data encryption network firewalls IDPS data loss prevention DLP SIEM DDoS protection and big data backup and recovery strategies The book focuses on key mitigation techniques such as IAM encryption methods network segmentation firewalls and intrusion detection systems It also proposes an integrated cybersecurity model combining these solutions for enhanced effectiveness against cyberattacks The book also identifies research gaps and suggests areas for future research such as adapting to emerging technologies and improving scalability in big data security frameworks The book is a valuable resource for cybersecurity professionals researchers and practitioners aiming to address the unique challenges posed by cyberattacks on big data systems The book aims to equip various professionals with the knowledge and strategies necessary to address the vulnerabilities associated with cyberattacks on big data environments

Microsoft Big Data Solutions Adam Jorgensen,James Rowland-Jones,John Welch,Dan Clark,Christopher Price,Brian Mitchell,2014-02-24 Tap the power of Big Data with Microsoft technologies Big Data is here and Microsoft s new Big Data platform is a valuable tool to help your company get the very most out of it This timely book shows you how to use HDInsight along with HortonWorks Data Platform for Windows to store manage analyze and share Big Data throughout the enterprise Focusing primarily on Microsoft and HortonWorks technologies but also covering open source tools Microsoft Big Data Solutions explains best practices covers on premises and cloud based solutions and features valuable case studies Best of all it helps you integrate these new solutions with technologies you already know such as SQL Server and Hadoop Walks you through how to integrate Big Data solutions in your company using Microsoft s HDInsight Server HortonWorks Data Platform for Windows and open source tools Explores both on premises and cloud based solutions Shows how to store manage analyze and share Big Data through the enterprise Covers topics such as Microsoft s approach to Big Data installing and configuring HortonWorks Data Platform for Windows integrating Big Data with SQL Server visualizing data with Microsoft and HortonWorks BI tools and more Helps you build and execute a Big Data plan Includes contributions from the Microsoft and

HortonWorks Big Data product teams If you need a detailed roadmap for designing and implementing a fully deployed Big Data solution you ll want Microsoft Big Data Solutions

Mastering Vector Databases Robert Johnson,2025-01-03 Mastering Vector Databases The Future of Data Retrieval and AI offers an insightful exploration into the transformative world of vector databases a cutting edge technology pivotal to advancing data management and artificial intelligence applications This book is meticulously designed to impart a comprehensive understanding beginning with foundational concepts and advancing to intricate techniques ensuring readers develop the expertise necessary to leverage vector databases effectively Throughout its pages it demystifies core concepts illustrating how vector databases efficiently handle high dimensional data optimize query processes and integrate with AI systems to enhance performance across diverse applications In an era where data drives decision making this book serves as an essential resource for computer scientists IT professionals and data enthusiasts eager to stay at the forefront of technology It delves into real world applications ranging from recommendation systems to image retrieval underscoring the practical benefits and industry impact of vector databases Moreover it addresses challenges in scalability security and privacy providing readers with a robust framework for implementing secure and efficient data solutions Mastering Vector Databases is your guide to navigating the complexities of modern data environments empowering you to harness the full potential of this innovative technology

Mastering Backup and restore Cybellium,2023-09-06 Cybellium Ltd is dedicated to empowering individuals and organizations with the knowledge and skills they need to navigate the ever evolving computer science landscape securely and learn only the latest information available on any subject in the category of computer science including Information Technology IT Cyber Security Information Security Big Data Artificial Intelligence AI Engineering Robotics Standards and compliance Our mission is to be at the forefront of computer science education offering a wide and comprehensive range of resources including books courses classes and training programs tailored to meet the diverse needs of any subject in computer science Visit <https://www.cybellium.com> for more books

Big Data and Hadoop VK Jain,2017-01-01 This book introduces you to the Big Data processing techniques addressing but not limited to various BI business intelligence requirements such as reporting batch analytics online analytical processing OLAP data mining and Warehousing and predictive analytics The book has been written on IBMs Platform of Hadoop framework IBM Infosphere BigInsight has the highest amount of tutorial matter available free of cost on Internet which makes it easy to acquire proficiency in this technique This therefore becomes highly vulnerable coaching materials in easy to learn steps The book optimally provides the courseware as per MCA and M Tech Level Syllabi of most of the Universities All components of big Data Platform like Jaql Hive Pig Sqoop Flume Hadoop Streaming Oozie HBase HDFS FlumeNG Whirr Cloudera Fuse Zookeeper and Mahout Machine learning for Hadoop has been discussed in sufficient Detail with hands on Exercises on each

Beginning Apache Hadoop Administration Prashant Nair,2017-09-07 Bigdata is one of the most demanding markets in the IT sector If you are an administrator or a have a passion for knowing the internal configurations of Hadoop then this book

is for you This book enables a professional to learn about Hadoop in terms of installation configuration and management This book will help the reader to jumpstart with Hadoop frameworks its eco system components and slowly progress towards learning the administration part of Hadoop The level of this book goes from beginner to intermediate with 70% hands on exercises Some of the techniques that you will learn include Installation and configuration of Hadoop cluster Performing Hadoop Cluster Upgrade Understanding and implementing HDFS Federation Understanding and Implementing High Availability Implementing HA on a Federated Cluster Zookeeper CLI Apache Hive Installation and Security HBase Multi master setup Oozie installation configuration and job submission Setting up HDFS Quotas Setting up HDFS NFS gateway Understanding and implementing rolling upgrade and much more

Sustainable Intelligent Systems Amit Joshi,Atulya K. Nagar,Gabriela Marín-Raventós,2021-03-06 This book discusses issues related to ICT intelligent systems data science AI machine learning sustainable development and overall their impacts on sustainability It provides an overview of the technologies of future The book also discusses novel intelligent algorithms and their applications to move from a data centric world to sustainable world It includes research paradigms on sustainable development goals and societal impacts The book provides an overview of cutting edge techniques toward sustainability and ideas to help researchers who want to understand the challenges and opportunities of using smart management perspective for sustainable society It serves as a reference to wide ranges of readers from computer science data analysts AI technocrats and management researchers

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Hadoop Backup And Recovery Solutions Introduction

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