

Download Free Mastering
Apache Cassandra Second
Edition

Mastering Apache Cassandra Second Edition

*If you are a Java
developer or a manager who*

Download Free Mastering Apache Cassandra Second Edition

has experience with Apache Maven and want to extend your knowledge, then this is the ideal book for you. Apache Maven Cookbook is for those who want to learn how Apache Maven can

Download Free Mastering Apache Cassandra Second Edition

be used for build automation. It is also meant for those familiar with Apache Maven, but want to understand the finer nuances of Maven and solve specific problems.

Download Free Mastering Apache Cassandra Second Edition

*Exploit design,
deployment, and management
of large-scale containers*
*Key Features Explore the
latest features available
in Kubernetes 1.10 Ensure
that your clusters are*

Download Free Mastering Apache Cassandra Second Edition

*always available,
scalable, and up to date
Master the skills of
designing and deploying
large clusters on various
cloud platforms Book
Description Kubernetes is*

Download Free Mastering Apache Cassandra Second Edition

*an open source system that
is used to automate the
deployment, scaling, and
management of
containerized
applications. If you are
running more containers or*

Download Free Mastering Apache Cassandra Second Edition

*want automated management
of your containers, you
need Kubernetes at your
disposal. To put things
into perspective,
Mastering Kubernetes walks
you through the advanced*

Download Free Mastering Apache Cassandra Second Edition

management of Kubernetes clusters. To start with, you will learn the fundamentals of both Kubernetes architecture and Kubernetes design in detail. You will discover

Download Free Mastering Apache Cassandra Second Edition

*how to run complex
stateful microservices on
Kubernetes including
advanced features such as
horizontal pod
autoscaling, rolling
updates, resource quotas,*

Download Free Mastering Apache Cassandra Second Edition

and persistent storage backend. Using real-world use cases, you will explore the options for network configuration, and understand how to set up, operate, and troubleshoot

Download Free Mastering Apache Cassandra Second Edition

*various Kubernetes
networking plugins. In
addition to this, you will
get to grips with custom
resource development and
utilization in automation
and maintenance workflows.*

Download Free Mastering Apache Cassandra Second Edition

To scale up your knowledge of Kubernetes, you will encounter some additional concepts based on the Kubernetes 1.10 release, such as Prometheus, Role-based access control, API

Download Free Mastering Apache Cassandra Second Edition

aggregation, and more. By the end of this book, you'll know everything you need to graduate from intermediate to advanced level of understanding Kubernetes. What you will

Download Free Mastering Apache Cassandra Second Edition

*learn Architect a robust
Kubernetes cluster for
long-time operation
Discover the advantages of
running Kubernetes on GCE,
AWS, Azure, and bare metal
Understand the identity*

Download Free Mastering Apache Cassandra Second Edition

*model of Kubernetes, along
with the options for
cluster federation Monitor
and troubleshoot
Kubernetes clusters and
run a highly available
Kubernetes Create and*

Download Free Mastering Apache Cassandra Second Edition

configure custom

*Kubernetes resources and
use third-party resources
in your automation*

*workflows Enjoy the art of
running complex stateful
applications in your*

Download Free Mastering Apache Cassandra Second Edition

*container environment
Deliver applications as
standard packages Who this
book is for Mastering
Kubernetes is for you if
you are a system
administrator or a*

Download Free Mastering Apache Cassandra Second Edition

developer who has an intermediate understanding of Kubernetes and wish to master its advanced features. Basic knowledge of networking would also be helpful. In all, this

Download Free Mastering
Apache Cassandra Second
Edition

*advanced-level book
provides a smooth pathway
to mastering Kubernetes.
Julia is a well-
constructed programming
language with fast
execution speed,*

Download Free Mastering Apache Cassandra Second Edition

*eliminating the classic
problem of performing
analysis in one language
and translating it for
performance into a second.
This book will help you
develop and enhance your*

Download Free Mastering Apache Cassandra Second Edition

*programming skills in
Julia to solve real-world
automation challenges.
This book starts off with
a refresher on installing
and running Julia on
different platforms. Next,*

Download Free Mastering Apache Cassandra Second Edition

*you will compare the
different ways of working
with Julia and explore
Julia's key features in-
depth by looking at design
and build. You will see
how data works using*

Download Free Mastering Apache Cassandra Second Edition

simple statistics and analytics, and discover Julia's speed, its real strength, which makes it particularly useful in highly intensive computing tasks and observe how

Download Free Mastering Apache Cassandra Second Edition

Julia can cooperate with external processes in order to enhance graphics and data visualization. Finally, you will look into meta-programming and learn how it adds great

Download Free Mastering Apache Cassandra Second Edition

*power to the language and
establish networking and
distributed computing with
Julia.*

*Gain sharp insights into
your data and solve real-
world data science*

Download Free Mastering
Apache Cassandra Second
Edition

*problems with R—from data
munging to modeling and
visualization About This
Book Handle your data with
precision and care for
optimal business
intelligence Restructure*

Download Free Mastering Apache Cassandra Second Edition

*and transform your data to
inform decision-making
Packed with practical
advice and tips to help
you get to grips with data
mining Who This Book Is
For If you are a data*

Download Free Mastering Apache Cassandra Second Edition

scientist or R developer who wants to explore and optimize your use of R's advanced features and tools, this is the book for you. A basic knowledge of R is required, along

Download Free Mastering Apache Cassandra Second Edition

*with an understanding of
database logic. What You
Will Learn Connect to and
load data from R's range
of powerful databases
Successfully fetch and
parse structured and*

Download Free Mastering Apache Cassandra Second Edition

unstructured data

*Transform and restructure
your data with efficient R
packages Define and build
complex statistical models
with glm Develop and train
machine learning*

Download Free Mastering
Apache Cassandra Second
Edition

*algorithms Visualize
social networks and graph
data Deploy supervised and
unsupervised
classification algorithms
Discover how to visualize
spatial data with R In*

Download Free Mastering Apache Cassandra Second Edition

Detail R is an essential language for sharp and successful data analysis. Its numerous features and ease of use make it a powerful way of mining, managing, and interpreting

Download Free Mastering Apache Cassandra Second Edition

large sets of data. In a world where understanding big data has become key, by mastering R you will be able to deal with your data effectively and efficiently. This book

Download Free Mastering Apache Cassandra Second Edition

will give you the guidance you need to build and develop your knowledge and expertise. Bridging the gap between theory and practice, this book will help you to understand and

Download Free Mastering Apache Cassandra Second Edition

*use data for a competitive
advantage. Beginning with
taking you through
essential data mining and
management tasks such as
munging, fetching,
cleaning, and*

Download Free Mastering Apache Cassandra Second Edition

restructuring, the book then explores different model designs and the core components of effective analysis. You will then discover how to optimize your use of machine

Download Free Mastering
Apache Cassandra Second
Edition

*learning algorithms for
classification and
recommendation systems
beside the traditional and
more recent statistical
methods. Style and
approach Covering the*

Download Free Mastering
Apache Cassandra Second
Edition

*essential tasks and skills
within data science,
Mastering Data Analysis
provides you with
solutions to the
challenges of data
science. Each section*

Download Free Mastering Apache Cassandra Second Edition

*gives you a theoretical
overview before
demonstrating how to put
the theory to work with
real-world use cases and
hands-on examples.*

Docker in Action

Download Free Mastering
Apache Cassandra Second
Edition

Ant: The Definitive Guide

Mastering Kubernetes

Mastering Akka

Mastering Julia

The Complete Guide to

Large-Scale Analysis and

Modeling

Download Free Mastering Apache Cassandra Second Edition

Learn Azure in a Month of Lunches, Second Edition, is a tutorial on writing, deploying, and running applications in Azure. In it, you ' ll work through 21 short lessons that give you real-world experience. Each lesson includes a hands-on lab so you can try out and lock in your new skills. Summary You

Download Free Mastering Apache Cassandra Second Edition

can be incredibly productive with Azure without mastering every feature, function, and service. Learn Azure in a Month of Lunches, Second Edition gets you up and running quickly, teaching you the most important concepts and tasks in 21 practical bite-sized lessons. As you explore the

Download Free Mastering Apache Cassandra Second Edition

examples, exercises, and labs, you'll pick up valuable skills immediately and take your first steps to Azure mastery! This fully revised new edition covers core changes to the Azure UI, new Azure features, Azure containers, and the upgraded Azure Kubernetes Service. Purchase of the print book

Download Free Mastering Apache Cassandra Second Edition

includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the technology Microsoft Azure is vast and powerful, offering virtual servers, application templates, and prebuilt services for everything from data storage to AI. To navigate it all, you need a trustworthy

Download Free Mastering Apache Cassandra Second Edition

guide. In this book, Microsoft engineer and Azure trainer Iain Foulds focuses on core skills for creating cloud-based applications. About the book Learn Azure in a Month of Lunches, Second Edition, is a tutorial on writing, deploying, and running applications in Azure. In it, you ' ll work through 21

Download Free Mastering Apache Cassandra Second Edition

short lessons that give you real-world experience. Each lesson includes a hands-on lab so you can try out and lock in your new skills. What's inside

- Understanding Azure beyond point-and-click
- Securing applications and data
- Automating your environment
- Azure services for machine learning,

Download Free Mastering Apache Cassandra Second Edition

containers, and more About the reader
This book is for readers who can write
and deploy simple web or client/server
applications. About the author Iain
Foulds is an engineer and senior
content developer with Microsoft.
Table of Contents PART 1 - AZURE
CORE SERVICES 1 Before you begin

Download Free Mastering Apache Cassandra Second Edition

2 Creating a virtual machine 3 Azure
Web Apps 4 Introduction to Azure
Storage 5 Azure Networking basics
PART 2 - HIGH AVAILABILITY AND
SCALE 6 Azure Resource Manager 7
High availability and redundancy 8
Load-balancing applications 9
Applications that scale 10 Global

Download Free Mastering Apache Cassandra Second Edition

databases with Cosmos DB 11
Managing network traffic and routing
12 Monitoring and troubleshooting
PART 3 - SECURE BY DEFAULT 13
Backup, recovery, and replication 14
Data encryption 15 Securing
information with Azure Key Vault 16
Azure Security Center and updates

Download Free Mastering Apache Cassandra Second Edition

PART 4 - THE COOL STUFF 17

Machine learning and artificial intelligence 18
Azure Automation 19
Azure containers 20
Azure and the Internet of Things 21
Serverless computing

Data is bigger, arrives faster, and comes in a variety of formats—and it

Download Free Mastering Apache Cassandra Second Edition

all needs to be processed at scale for analytics or machine learning. But how can you process such varied workloads efficiently? Enter Apache Spark. Updated to include Spark 3.0, this second edition shows data engineers and data scientists why structure and unification in Spark

Download Free Mastering Apache Cassandra Second Edition

matters. Specifically, this book explains how to perform simple and complex data analytics and employ machine learning algorithms. Through step-by-step walk-throughs, code snippets, and notebooks, you ' ll be able to: Learn Python, SQL, Scala, or Java high-level Structured APIs Understand

Download Free Mastering Apache Cassandra Second Edition

Spark operations and SQL Engine
Inspect, tune, and debug Spark
operations with Spark configurations
and Spark UI Connect to data sources:
JSON, Parquet, CSV, Avro, ORC,
Hive, S3, or Kafka Perform analytics
on batch and streaming data using
Structured Streaming Build reliable

Download Free Mastering Apache Cassandra Second Edition

data pipelines with open source Delta Lake and Spark Develop machine learning pipelines with MLlib and productionize models using MLflow
Take your C++ coding to the next level by leveraging the latest features and advanced techniques to building high performing, reliable applications.

Download Free Mastering Apache Cassandra Second Edition

About This Book Get acquainted with the latest features in C++ 17 Take advantage of the myriad of features and possibilities that C++ offers to build real-world applications Write clear and expressive code in C++, and get insights into how to keep your code error-free Who This Book Is For

Download Free Mastering Apache Cassandra Second Edition

This book is for experienced C++ developers. If you are a novice C++ developer, then it's highly recommended that you get a solid understanding of the C++ language before reading this book

What You Will Learn

- Write modular C++ applications in terms of the existing

Download Free Mastering Apache Cassandra Second Edition

and newly introduced features Identify code-smells, clean up, and refactor legacy C++ applications Leverage the possibilities provided by Cucumber and Google Test/Mock to automate test cases Test frameworks with C++ Get acquainted with the new C++17 features Develop GUI applications in

Download Free Mastering Apache Cassandra Second Edition

C++ Build portable cross-platform applications using standard C++ features In Detail C++ has come a long way and has now been adopted in several contexts. Its key strengths are its software infrastructure and resource-constrained applications. The C++ 17 release will change the way

Download Free Mastering Apache Cassandra Second Edition

developers write code, and this book will help you master your developing skills with C++. With real-world, practical examples explaining each concept, the book will begin by introducing you to the latest features in C++ 17. It encourages clean code practices in C++ in general, and

Download Free Mastering Apache Cassandra Second Edition

demonstrates the GUI app-development options in C++. You'll get tips on avoiding memory leaks using smart-pointers. Next, you'll see how multi-threaded programming can help you achieve concurrency in your applications. Moving on, you'll get an in-depth understanding of the C++

Download Free Mastering Apache Cassandra Second Edition

Standard Template Library. We show you the concepts of implementing TDD and BDD in your C++ programs, and explore template-based generic programming, giving you the expertise to build powerful applications. Finally, we'll round up with debugging techniques and best practices. By the

Download Free Mastering Apache Cassandra Second Edition

end of the book, you'll have an in-depth understanding of the language and its various facets. Style and approach This straightforward guide will help you level up your skills in C++ programming, be it for enterprise software or for low-latency applications like games. Filled with real-world,

Download Free Mastering Apache Cassandra Second Edition

practical examples, this book will take you gradually up the steep learning curve that is C++.

” Eric and Russell were early adopters of Cassandra at SimpleReach. In Practical Cassandra, you benefit from their experience in the trenches administering Cassandra, developing

Download Free Mastering Apache Cassandra Second Edition

against it, and building one of the first CQL drivers. If you are deploying Cassandra soon, or you inherited a Cassandra cluster to tend, spend some time with the deployment, performance tuning, and maintenance chapters... If you are new to Cassandra, I highly recommend the

Download Free Mastering Apache Cassandra Second Edition

chapters on data modeling and CQL. ”
–From the Foreword by Jonathon Ellis,
Apache Cassandra Chair Build and
Deploy Massively Scalable, Super-fast
Data Management Applications with
Apache Cassandra Practical
Cassandra is the first hands-on
developer's guide to building

Download Free Mastering Apache Cassandra Second Edition

Cassandra systems and applications that deliver breakthrough speed, scalability, reliability, and performance. Fully up to date, it reflects the latest versions of Cassandra—including Cassandra Query Language (CQL), which dramatically lowers the learning curve for Cassandra developers.

Download Free Mastering Apache Cassandra Second Edition

Pioneering Cassandra developers and Datastax MVPs Russell Bradberry and Eric Lubow walk you through every step of building a real production application that can store enormous amounts of structured, semi-structured, and unstructured data. Drawing on their exceptional expertise,

Download Free Mastering Apache Cassandra Second Edition

Bradberry and Lubow share practical insights into issues ranging from querying to deployment, management, maintenance, monitoring, and troubleshooting. The authors cover key issues, from architecture to migration, and guide you through crucial decisions about configuration

Download Free Mastering Apache Cassandra Second Edition

and data modeling. They provide tested sample code, detailed explanations of how Cassandra works " under the covers, " and new case studies from three cutting-edge users: Ooyala, Hailo, and eBay. Coverage includes Understanding Cassandra's approach, architecture, key concepts,

Download Free Mastering Apache Cassandra Second Edition

and primary use cases– and why it's so blazingly fast Getting Cassandra up and running on single nodes and large clusters Applying the new design patterns, philosophies, and features that make Cassandra such a powerful data store Leveraging CQL to simplify your transition from SQL-based

Download Free Mastering Apache Cassandra Second Edition

RDBMSes Deploying and provisioning through the cloud or on bare-metal hardware Choosing the right configuration options for each type of workload Tweaking Cassandra to get maximum performance from your hardware, OS, and JVM Mastering Cassandra's essential tools for

Download Free Mastering Apache Cassandra Second Edition

maintenance and monitoring Efficiently
solving the most common problems
with Cassandra deployment,
operation, and application
development

Cassandra: The Definitive Guide
Mastering Data Analysis with R
Build resilient and scalable

Download Free Mastering Apache Cassandra Second Edition

microservices using Spring Cloud,
Istio, and Kubernetes, 2nd Edition
Learning Neo4j 3.x

Master the art of container
management by using the power of
Kubernetes, 2nd Edition

Cassandra Design Patterns

Follow this handbook to

Download Free Mastering Apache Cassandra Second Edition

build, configure, tune, and secure Apache Cassandra databases. Start with the installation of Cassandra and move on to the creation of a single instance, and then a cluster of Cassandra databases. Cassandra is

Download Free Mastering Apache Cassandra Second Edition

increasingly a key player in many big data environments, and this book shows you how to use Cassandra with Apache Spark, a popular big data processing framework. Also covered are day-to-day topics of importance such as

Download Free Mastering Apache Cassandra Second Edition

**the backup and recovery of
Cassandra databases, using
the right compression and
compaction strategies, and
loading and unloading data.
Expert Apache Cassandra
Administration provides
numerous step-by-step**

Download Free Mastering Apache Cassandra Second Edition

examples starting with the basics of a Cassandra database, and going all the way through backup and recovery, performance optimization, and monitoring and securing the data. The book serves as an

Download Free Mastering Apache Cassandra Second Edition

**authoritative and
comprehensive guide to the
building and management of
simple to complex Cassandra
databases. The book: Takes
you through building a
Cassandra database from
installation of the software**

Download Free Mastering Apache Cassandra Second Edition

and creation of a single
database, through to complex
clusters and data centers
Provides numerous examples
of actual commands in a real-
life Cassandra environment
that show how to confidently
configure, manage,

Download Free Mastering Apache Cassandra Second Edition

**troubleshoot, and tune
Cassandra databases Shows
how to use the Cassandra
configuration properties to
build a highly stable,
available, and secure
Cassandra database that
always operates at peak**

Download Free Mastering Apache Cassandra Second Edition

**efficiency What You'll Learn
Install the Cassandra
software and create your
first database Understand
the Cassandra data model,
and the internal
architecture of a Cassandra
database Create your own**

Download Free Mastering Apache Cassandra Second Edition

Cassandra cluster, step-by-step Run a Cassandra cluster on Docker Work with Apache Spark by connecting to a Cassandra database Deploy Cassandra clusters in your data center, or on Amazon EC2 instances Back up and

Download Free Mastering
Apache Cassandra Second
Edition

**restore mission-critical
Cassandra databases Monitor,
troubleshoot, and tune
production Cassandra
databases, and cut your
spending on resources such
as memory, servers, and
storage Who This Book Is For**

Download Free Mastering Apache Cassandra Second Edition

**Database administrators,
developers, and architects
who are looking for an
authoritative and
comprehensive single volume
for all their Cassandra
administration needs. Also
for administrators who are**

Download Free Mastering Apache Cassandra Second Edition

**tasked with setting up and
maintaining highly reliable
and high-performing
Cassandra databases. An
excellent choice for big
data administrators,
database administrators,
architects, and developers**

Download Free Mastering Apache Cassandra Second Edition

who use Cassandra as their key data store, to support high volume online transactions, or as a decentralized, elastic data store.

Learn how to apply powerful data analysis techniques

Download Free Mastering Apache Cassandra Second Edition

with popular open source
Python modules About This
Book Find, manipulate, and
analyze your data using the
Python 3.5 libraries Perform
advanced, high-performance
linear algebra and
mathematical calculations

Download Free Mastering Apache Cassandra Second Edition

**with clean and efficient
Python code An easy-to-
follow guide with realistic
examples that are frequently
used in real-world data
analysis projects. Who This
Book Is For This book is for
programmers, scientists, and**

Download Free Mastering Apache Cassandra Second Edition

**engineers who have the
knowledge of Python and know
the basics of data science.
It is for those who wish to
learn different data
analysis methods using
Python 3.5 and its
libraries. This book**

Download Free Mastering Apache Cassandra Second Edition

contains all the basic ingredients you need to become an expert data analyst. What You Will Learn
Install open source Python modules such NumPy, SciPy, Pandas, stasmodels, scikit-learn, theano, keras, and

Download Free Mastering Apache Cassandra Second Edition

**tensorflow on various
platforms Prepare and clean
your data, and use it for
exploratory analysis
Manipulate your data with
Pandas Retrieve and store
your data from RDBMS, NoSQL,
and distributed filesystems**

Download Free Mastering Apache Cassandra Second Edition

such as HDFS and HDF5
Visualize your data with
open source libraries such
as matplotlib, bokeh, and
plotly Learn about various
machine learning methods
such as supervised,
unsupervised, probabilistic,

Download Free Mastering
Apache Cassandra Second
Edition

**and Bayesian Understand
signal processing and time
series data analysis Get to
grips with graph processing
and social network analysis
In Detail Data analysis
techniques generate useful
insights from small and**

Download Free Mastering Apache Cassandra Second Edition

large volumes of data. Python, with its strong set of libraries, has become a popular platform to conduct various data analysis and predictive modeling tasks. With this book, you will learn how to process and

Download Free Mastering Apache Cassandra Second Edition

**manipulate data with Python
for complex analysis and
modeling. We learn data
manipulations such as
aggregating, concatenating,
appending, cleaning, and
handling missing values,
with NumPy and Pandas. The**

Download Free Mastering Apache Cassandra Second Edition

book covers how to store and retrieve data from various data sources such as SQL and NoSQL, CSV files, and HDF5. We learn how to visualize data using visualization libraries, along with advanced topics such as

Download Free Mastering Apache Cassandra Second Edition

signal processing, time series, textual data analysis, machine learning, and social media analysis. The book covers a plethora of Python modules, such as matplotlib, statsmodels, scikit-learn, and NLTK. It

Download Free Mastering Apache Cassandra Second Edition

also covers using Python with external environments such as R, Fortran, C/C++, and Boost libraries. Style and approach The book takes a very comprehensive approach to enhance your understanding of data

Download Free Mastering Apache Cassandra Second Edition

analysis. Sufficient real-world examples and use cases are included in the book to help you grasp the concepts quickly and apply them easily in your day-to-day work. Packed with clear, easy to follow examples,

Download Free Mastering Apache Cassandra Second Edition

**this book will turn you into
an ace data analyst in no
time.**

**Learn how to integrate full-
stack open source big data
architecture and to choose
the correct
technology—Scala/Spark,**

Download Free Mastering
Apache Cassandra Second
Edition

Mesos, Akka, Cassandra, and Kafka—in every layer. Big data architecture is becoming a requirement for many different enterprises. So far, however, the focus has largely been on collecting, aggregating, and

Download Free Mastering Apache Cassandra Second Edition

crunching large data sets in a timely manner. In many cases now, organizations need more than one paradigm to perform efficient analyses. Big Data SMACK explains each of the full-stack technologies and, more

Download Free Mastering Apache Cassandra Second Edition

importantly, how to best integrate them. It provides detailed coverage of the practical benefits of these technologies and incorporates real-world examples in every situation. This book focuses on the

Download Free Mastering Apache Cassandra Second Edition

problems and scenarios solved by the architecture, as well as the solutions provided by every technology. It covers the six main concepts of big data architecture and how integrate, replace, and

Download Free Mastering Apache Cassandra Second Edition

**reinforce every layer: The
language: Scala The engine:
Spark (SQL, MLib, Streaming,
GraphX) The container:
Mesos, Docker The view: Akka
The storage: Cassandra The
message broker: Kafka What
You Will Learn: Make big**

Download Free Mastering Apache Cassandra Second Edition

**data architecture without
using complex Greek letter
architectures Build a cheap
but effective cluster
infrastructure Make queries,
reports, and graphs that
business demands Manage and
exploit unstructured and No-**

Download Free Mastering Apache Cassandra Second Edition

**SQL data sources Use tools
to monitor the performance
of your architecture
Integrate all technologies
and decide which ones
replace and which ones
reinforce Who This Book Is
For: Developers, data**

Download Free Mastering
Apache Cassandra Second
Edition

**architects, and data
scientists looking to
integrate the most
successful big data open
stack architecture and to
choose the correct
technology in every layer
A beginner's guide to get**

Download Free Mastering Apache Cassandra Second Edition

**you up and running with
Cassandra, DynamoDB, HBase,
InfluxDB, MongoDB, Neo4j,
and Redis Key Features
Covers the basics of 7 NoSQL
databases and how they are
used in the enterprises
Quick introduction to**

Download Free Mastering Apache Cassandra Second Edition

**MongoDB, DynamoDB, Redis,
Cassandra, Neo4j, InfluxDB,
and HBase Includes effective
techniques for database
querying and management Book
Description This is the
golden age of open source
NoSQL databases. With**

Download Free Mastering Apache Cassandra Second Edition

enterprises having to work with large amounts of unstructured data and moving away from expensive monolithic architecture, the adoption of NoSQL databases is rapidly increasing. Being familiar with the popular

Download Free Mastering Apache Cassandra Second Edition

NoSQL databases and knowing how to use them is a must for budding DBAs and developers. This book introduces you to the different types of NoSQL databases and gets you started with seven of the

Download Free Mastering Apache Cassandra Second Edition

most popular NoSQL databases used by enterprises today. We start off with a brief overview of what NoSQL databases are, followed by an explanation of why and when to use them. The book then covers the seven most

Download Free Mastering Apache Cassandra Second Edition

popular databases in each of these categories: MongoDB, Amazon DynamoDB, Redis, HBase, Cassandra, InfluxDB, and Neo4j. The book doesn't go into too much detail about each database but teaches you enough to get

Download Free Mastering Apache Cassandra Second Edition

started with them. By the end of this book, you will have a thorough understanding of the different NoSQL databases and their functionalities, empowering you to select and use the right database

Download Free Mastering Apache Cassandra Second Edition

according to your needs.

What you will learn

Understand how MongoDB

provides high-performance,

high-availability, and

automatic scaling Interact

with your Neo4j instances

via database queries, Python

Download Free Mastering Apache Cassandra Second Edition

**scripts, and Java
application code Get
familiar with common
querying and programming
methods to interact with
Redis Study the different
types of problems Cassandra
can solve Work with HBase**

Download Free Mastering Apache Cassandra Second Edition

components to support common operations such as creating tables and reading/writing data Discover data models and work with CRUD operations using DynamoDB Discover what makes InfluxDB a great choice for working

Download Free Mastering Apache Cassandra Second Edition

with time-series data Who
this book is for If you are
a budding DBA or a developer
who wants to get started
with the fundamentals of
NoSQL databases, this book
is for you. Relational DBAs
who want to get insights

Download Free Mastering Apache Cassandra Second Edition

into the various offerings of popular NoSQL databases will also find this book to be very useful.

Microservices with Spring
Boot and Spring Cloud
Practical Cassandra
Seven NoSQL Databases in a

Download Free Mastering
Apache Cassandra Second
Edition
Week

**A Guide to Apache Spark,
Mesos, Akka, Cassandra, and
Kafka**

Mastering Node.js

Spark: The Definitive Guide
Even small applications have dozens

Download Free Mastering Apache Cassandra Second Edition

of components. Large applications may have thousands, which makes them challenging to install, maintain, and remove. Docker bundles all application components into a package called a container that keeps things tidy and helps manage any

Download Free Mastering Apache Cassandra Second Edition

dependencies on other applications or infrastructure. *Docker in Action, Second Edition* teaches you the skills and knowledge you need to create, deploy, and manage applications hosted in Docker containers. This bestseller has been fully updated with

Download Free Mastering Apache Cassandra Second Edition

new examples, best practices, and entirely new chapters. You'll start with a clear explanation of the Docker model and learn how to package applications in containers, including techniques for testing and distributing applications. Purchase of the print

Download Free Mastering Apache Cassandra Second Edition

book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

Summary MongoDB in Action, Second Edition is a completely revised and updated version. It introduces MongoDB 3.0 and the

Download Free Mastering Apache Cassandra Second Edition

document-oriented database model. This perfectly paced book gives you both the big picture you'll need as a developer and enough low-level detail to satisfy system engineers. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub

Download Free Mastering Apache Cassandra Second Edition

formats from Manning Publications.

About the Technology This

document-oriented database was built for high availability, supports rich, dynamic schemas, and lets you easily distribute data across multiple servers.

MongoDB 3.0 is flexible, scalable, and

Download Free Mastering Apache Cassandra Second Edition

very fast, even with big data loads.
About the Book MongoDB in Action,
Second Edition is a completely
revised and updated version. It
introduces MongoDB 3.0 and the
document-oriented database model.
This perfectly paced book gives you

Download Free Mastering Apache Cassandra Second Edition

both the big picture you'll need as a developer and enough low-level detail to satisfy system engineers. Lots of examples will help you develop confidence in the crucial area of data modeling. You'll also love the deep explanations of each feature,

Download Free Mastering Apache Cassandra Second Edition

including replication, auto-sharding,
and deployment. What's Inside
Indexes, queries, and standard DB
operations Aggregation and text
searching Map-reduce for custom
aggregations and reporting Deploying
for scale and high availability Updated

Download Free Mastering Apache Cassandra Second Edition

for Mongo 3.0 About the Reader
Written for developers. No previous
MongoDB or NoSQL experience is
assumed. About the Authors After
working at MongoDB, Kyle Banker is
now at a startup. Peter Bakkum is a
developer with MongoDB expertise.

Download Free Mastering Apache Cassandra Second Edition

Shaun Verch has worked on the core server team at MongoDB. A Genentech engineer, Doug Garrett is one of the winners of the MongoDB Innovation Award for Analytics. A software architect, Tim Hawkins has led search engineering at Yahoo

Download Free Mastering
Apache Cassandra Second
Edition

Europe. Technical Contributor:
Wouter Thielen. Technical Editor:
Mihalis Tsoukalos. Table of Contents
PART 1 GETTING STARTED A
database for the modern web
MongoDB through the JavaScript
shell Writing programs using

Download Free Mastering
Apache Cassandra Second
Edition

MongoDB PART 2 APPLICATION
DEVELOPMENT IN MONGODB

Document-oriented data

Constructing queries Aggregation

Updates, atomic operations, and

deletes PART 3 MONGODB

MASTERY Indexing and query

Download Free Mastering Apache Cassandra Second Edition

optimization Text search WiredTiger
and pluggable storage Replication
Scaling your system with sharding
Deployment and administration
Soon after its launch, Ant succeeded
in taking the Java world by storm,
becoming the most widely used tool

Download Free Mastering Apache Cassandra Second Edition

for building applications in Java environments. Like most popular technologies, Ant quickly went through a series of early revision cycles. With each new version, more functionality was added, and more complexity was introduced. Ant

Download Free Mastering Apache Cassandra Second Edition

evolved from a simple-to-learn build tool into a full-fledged testing and deployment environment. Ant: The Definitive Guide has been reworked, revised and expanded upon to reflect this evolution. It documents the new ways that Ant is being applied, as well

Download Free Mastering Apache Cassandra Second Edition

as the array of optional tasks that Ant supports. In fact, this new second edition covers everything about this extraordinary build management tool from downloading and installing, to using Ant to test code. Here are just of a few of the features you'll find

Download Free Mastering Apache Cassandra Second Edition

detailed in this comprehensive, must-have guide: Developing conditional builds, and handling error conditions Automatically retrieving source code from version control systems Using Ant with XML files Using Ant with JavaServer Pages to build Web

Download Free Mastering Apache Cassandra Second Edition

applications Using Ant with Enterprise JavaBeans to build enterprise applications Far exceeding its predecessor in terms of information and detail, Ant: The Definitive Guide, 2nd Edition is a must-have for Java developers

Download Free Mastering Apache Cassandra Second Edition

unfamiliar with the latest advancements in Ant technology. With this book at your side, you'll soon be up to speed on the premiere tool for cross-platform development. Author Steve Holzner is an award-winning author who s been

Download Free Mastering Apache Cassandra Second Edition

writing about Java topics since the language first appeared; his books have sold more than 1.5 million copies worldwide.

This book is an easy-to-follow, hands-on introduction that guides you through this innovative new

Download Free Mastering Apache Cassandra Second Edition

technology. It covers everything from data grids to the simple-to-use distributed data storage collections. Queuing and topic messaging capabilities, as well as locking and transaction support to guard against concurrency race-conditions, are

Download Free Mastering Apache Cassandra Second Edition

some of the topics that we will cover. We will then move on to distributed task execution, in-place data manipulations and big data analytical processing using MapReduce. At the end of all this, you will be armed with everything you need to bring amazing

Download Free Mastering Apache Cassandra Second Edition

power and data scalability to your applications, as well as making them truly global and ready for a worldwide audience.

Learning SQL

Apache Cassandra Essentials

Analyzing performance in

Download Free Mastering Apache Cassandra Second Edition

microservices and complex systems

Mastering Apache Cassandra -

Second Edition

Distributed Data at Web Scale

Mastering Apache Cassandra 3.x -

Third Edition

Every enterprise application

Download Free Mastering Apache Cassandra Second Edition

creates data, whether it's log messages, metrics, user activity, outgoing messages, or something else. And how to move all of this data becomes nearly as important as the data itself. If you're an application architect, developer,

Download Free Mastering Apache Cassandra Second Edition

or production engineer new to Apache Kafka, this practical guide shows you how to use this open source streaming platform to handle real-time data feeds. Engineers from Confluent and LinkedIn who are responsible for

Download Free Mastering Apache Cassandra Second Edition

developing Kafka explain how to deploy production Kafka clusters, write reliable event-driven microservices, and build scalable stream-processing applications with this platform. Through detailed examples, you'll learn

Download Free Mastering Apache Cassandra Second Edition

Kafka's design principles, reliability guarantees, key APIs, and architecture details, including the replication protocol, the controller, and the storage layer. Understand publish-subscribe messaging and how it fits in the

Download Free Mastering Apache Cassandra Second Edition

big data ecosystem. Explore Kafka producers and consumers for writing and reading messages Understand Kafka patterns and use-case requirements to ensure reliable data delivery Get best practices for building data

Download Free Mastering Apache Cassandra Second Edition

pipelines and applications with
Kafka Manage Kafka in
production, and learn to perform
monitoring, tuning, and
maintenance tasks Learn the most
critical metrics among Kafka's
operational measurements

Download Free Mastering Apache Cassandra Second Edition

Explore how Kafka's stream delivery capabilities make it a perfect source for stream processing systems

Every enterprise application creates data, including log messages, metrics, user activity,

Download Free Mastering Apache Cassandra Second Edition

and outgoing messages. Learning how to move these items is almost as important as the data itself. If you're an application architect, developer, or production engineer new to Apache Pulsar, this practical guide shows you how to

Download Free Mastering Apache Cassandra Second Edition

use this open source event streaming platform to handle real-time data feeds. Jowanza Joseph, staff software engineer at Finicity, explains how to deploy production Pulsar clusters, write reliable event streaming applications, and

Download Free Mastering Apache Cassandra Second Edition

build scalable real-time data pipelines with this platform.

Through detailed examples, you'll learn Pulsar's design principles, reliability guarantees, key APIs, and architecture details, including the replication protocol, the load

Download Free Mastering Apache Cassandra Second Edition

manager, and the storage layer.
This book helps you: Understand
how event streaming fits in the
big data ecosystem Explore Pulsar
producers, consumers, and
readers for writing and reading
events Build scalable data

Download Free Mastering Apache Cassandra Second Edition

pipelines by connecting Pulsar
with external systems Simplify
event-streaming application
building with Pulsar Functions
Manage Pulsar to perform
monitoring, tuning, and
maintenance tasks Use Pulsar's

Download Free Mastering Apache Cassandra Second Edition

operational measurements to
secure a production cluster
Process event streams using Flink
and query event streams using
Presto
A hands-on guide to leveraging
NoSQL databases NoSQL

Download Free Mastering Apache Cassandra Second Edition

databases are an efficient and powerful tool for storing and manipulating vast quantities of data. Most NoSQL databases scale well as data grows. In addition, they are often malleable and flexible enough to accommodate

Download Free Mastering Apache Cassandra Second Edition

semi-structured and sparse data sets. This comprehensive hands-on guide presents fundamental concepts and practical solutions for getting you ready to use NoSQL databases. Expert author Shashank Tiwari begins with a

Download Free Mastering Apache Cassandra Second Edition

helpful introduction on the subject of NoSQL, explains its characteristics and typical uses, and looks at where it fits in the application stack. Unique insights help you choose which NoSQL solutions are best for solving your

Download Free Mastering Apache Cassandra Second Edition

specific data storage needs.

Professional NoSQL: Demystifies the concepts that relate to NoSQL databases, including column-family oriented stores, key/value databases, and document databases. Delves into installing

Download Free Mastering Apache Cassandra Second Edition

and configuring a number of NoSQL products and the Hadoop family of products. Explains ways of storing, accessing, and querying data in NoSQL databases through examples that use MongoDB, HBase, Cassandra,

Download Free Mastering Apache Cassandra Second Edition

Redis, CouchDB, Google App Engine Datastore and more. Looks at architecture and internals. Provides guidelines for optimal usage, performance tuning, and scalable configurations. Presents a number of tools and utilities

Download Free Mastering Apache Cassandra Second Edition

relating to NoSQL, distributed platforms, and scalable processing, including Hive, Pig, RRDtool, Nagios, and more. Run blazingly fast queries on complex graph datasets with the power of the Neo4j graph

Download Free Mastering Apache Cassandra Second Edition

database About This Book Get acquainted with graph database systems and apply them in real-world use cases Use Cypher query language, APOC and other Neo4j extensions to derive meaningful analysis from complex data sets. A

Download Free Mastering Apache Cassandra Second Edition

practical guide filled with ready to use examples on querying, graph processing and visualizing information to build smarter spatial applications. Who This Book Is For This book is for developers who want an

Download Free Mastering Apache Cassandra Second Edition

alternative way to store and process data within their applications. No previous graph database experience is required; however, some basic database knowledge will help you understand the concepts more

Download Free Mastering Apache Cassandra Second Edition

easily. What You Will Learn

Understand the science of graph theory, databases and its advantages over traditional databases. Install Neo4j, model data and learn the most common practices of traversing data Learn

Download Free Mastering Apache Cassandra Second Edition

the Cypher query language and tailor-made procedures to analyze and derive meaningful representations of data Improve graph techniques with the help of precise procedures in the APOC library Use Neo4j advanced

Download Free Mastering Apache Cassandra Second Edition

extensions and plugins for performance optimization.

Understand how Neo4j's new security features and clustering architecture are used for large scale deployments. In Detail Neo4j is a graph database that

Download Free Mastering Apache Cassandra Second Edition

allows traversing huge amounts of data with ease. This book aims at quickly getting you started with the popular graph database Neo4j. Starting with a brief introduction to graph theory, this book will show you the

Download Free Mastering Apache Cassandra Second Edition

advantages of using graph databases along with data modeling techniques for graph databases. You'll gain practical hands-on experience with commonly used and lesser known features for updating graph store

Download Free Mastering Apache Cassandra Second Edition

with Neo4j's Cypher query language. Furthermore, you'll also learn to create awesome procedures using APOC and extend Neo4j's functionality, enabling integration, algorithmic analysis, and other advanced

Download Free Mastering Apache Cassandra Second Edition

spatial operation capabilities on data. Through the course of the book you will come across implementation examples on the latest updates in Neo4j, such as in-graph indexes, scaling, performance improvements,

Download Free Mastering Apache Cassandra Second Edition

visualization, data refactoring techniques, security enhancements, and much more. By the end of the book, you'll have gained the skills to design and implement modern spatial applications, from graphing data

Download Free Mastering Apache Cassandra Second Edition

to unraveling business capabilities with the help of real-world use cases. Style and approach A step-by-step approach of adopting Neo4j, the world's leading graph database. This book includes a lot of background information, helps

Download Free Mastering Apache Cassandra Second Edition

you grasp the fundamental concepts behind this radical new way of dealing with connected data, and will give you lots of examples of use cases and environments where a graph database would be a great fit

Download Free Mastering Apache Cassandra Second Edition

8th International Congress, Held
as Part of the Services Conference
Federation, SCF 2019, San Diego,
CA, USA, June 25-30, 2019,
Proceedings
Mastering C++ Programming
Expert Apache Cassandra

Download Free Mastering
Apache Cassandra Second
Edition

Administration

Real-Time Data and Stream

Processing at Scale

Mastering Apache Cassandra 3.x

Foundations and Applications

Programming

Build, manage, and configure high-

Download Free Mastering Apache Cassandra Second Edition

performing, reliable NoSQL
database for your applications with
Cassandra Key Features Write
programs more efficiently using
Cassandra's features with the help of
examples Configure Cassandra and
fine-tune its parameters depending

Download Free Mastering Apache Cassandra Second Edition

on your needs Integrate Cassandra
database with Apache Spark and
build strong data analytics
pipeline

Book Description With ever-
increasing rates of data creation, the
demand for storing data fast and
reliably becomes a need. Apache

Download Free Mastering Apache Cassandra Second Edition

Cassandra is the perfect choice for building fault-tolerant and scalable databases. Mastering Apache Cassandra 3.x teaches you how to build and architect your clusters, configure and work with your nodes, and program in a high-throughput

Download Free Mastering Apache Cassandra Second Edition

environment, helping you understand the power of Cassandra as per the new features. Once you've covered a brief recap of the basics, you'll move on to deploying and monitoring a production setup and optimizing and integrating it

Download Free Mastering Apache Cassandra Second Edition

with other software. You'll work with the advanced features of CQL and the new storage engine in order to understand how they function on the server-side. You'll explore the integration and interaction of Cassandra components, followed by

Download Free Mastering Apache Cassandra Second Edition

discovering features such as token allocation algorithm, CQL3, vnodes, lightweight transactions, and data modelling in detail. Last but not least you will get to grips with Apache Spark. By the end of this book, you'll be able to analyse big

Download Free Mastering Apache Cassandra Second Edition

data, and build and manage high-performance databases for your application. What you will learn Write programs more efficiently using Cassandra's features more efficiently Exploit the given infrastructure, improve

Download Free Mastering Apache Cassandra Second Edition

performance, and tweak the Java Virtual Machine (JVM) Use CQL3 in your application in order to simplify working with Cassandra Configure Cassandra and fine-tune its parameters depending on your needs Set up a cluster and

Download Free Mastering Apache Cassandra Second Edition

learn how to scale it Monitor a
Cassandra cluster in different
ways Use Apache Spark and other
big data processing tools Who this
book is for Mastering Apache
Cassandra 3.x is for you if you are a
big data administrator, database

Download Free Mastering Apache Cassandra Second Edition

administrator, architect, or developer who wants to build a high-performing, scalable, and fault-tolerant database. Prior knowledge of core concepts of databases is required.

Learn how to use, deploy, and

Download Free Mastering Apache Cassandra Second Edition

maintain Apache Spark with this comprehensive guide, written by the creators of the open-source cluster-computing framework. With an emphasis on improvements and new features in Spark 2.0, authors Bill Chambers and Matei Zaharia break

Download Free Mastering Apache Cassandra Second Edition

down Spark topics into distinct sections, each with unique goals. You'll explore the basic operations and common functions of Spark's structured APIs, as well as Structured Streaming, a new high-level API for building end-to-end

Download Free Mastering Apache Cassandra Second Edition

streaming applications. Developers and system administrators will learn the fundamentals of monitoring, tuning, and debugging Spark, and explore machine learning techniques and scenarios for employing MLlib, Spark's scalable machine-learning

Download Free Mastering Apache Cassandra Second Edition

library. Get a gentle overview of big data and Spark Learn about DataFrames, SQL, and Datasets Spark's core APIs through worked examples Dive into Spark's low-level APIs, RDDs, and execution of SQL and DataFrames

Download Free Mastering Apache Cassandra Second Edition

Understand how Spark runs on a cluster Debug, monitor, and tune Spark clusters and applications Learn the power of Structured Streaming, Spark's stream-processing engine Learn how you can apply MLlib to a variety of

Download Free Mastering Apache Cassandra Second Edition

problems, including classification or
recommendation

Updated for the latest database
management systems -- including
MySQL 6.0, Oracle 11g, and
Microsoft's SQL Server 2008 -- this
introductory guide will get you up

Download Free Mastering Apache Cassandra Second Edition

and running with SQL quickly.

Whether you need to write database applications, perform administrative tasks, or generate reports, Learning SQL, Second Edition, will help you easily master all the SQL fundamentals. Each chapter presents

Download Free Mastering Apache Cassandra Second Edition

a self-contained lesson on a key SQL concept or technique, with numerous illustrations and annotated examples. Exercises at the end of each chapter let you practice the skills you learn. With this book, you will: Move quickly through SQL

Download Free Mastering Apache Cassandra Second Edition

basics and learn several advanced features Use SQL data statements to generate, manipulate, and retrieve data Create database objects, such as tables, indexes, and constraints, using SQL schema statements Learn how data sets interact with queries,

Download Free Mastering Apache Cassandra Second Edition

and understand the importance of subqueries Convert and manipulate data with SQL's built-in functions, and use conditional logic in data statements Knowledge of SQL is a must for interacting with data. With Learning SQL, you'll quickly learn

Download Free Mastering Apache Cassandra Second Edition

how to put the power and flexibility of this language to work.

Manage vRealize operations manager 6.6 effectively using this comprehensive guide. Key Features
Get complete control of capacity management in your virtual

Download Free Mastering Apache Cassandra Second Edition

environment Display the most appropriate performance metrics and assemble your own dashboard Analyze and process data from different sources into a single repository Optimize vRealize Automation workload placement

Download Free Mastering Apache Cassandra Second Edition

Book Description In the modern IT world, the criticality of managing the health, efficiency, and compliance of virtualized environments is more important than ever. With vRealize Operations Manager 6.6, you can make a

Download Free Mastering Apache Cassandra Second Edition

difference to your business by being reactive rather than proactive.

Mastering vRealize Operations Manager helps you streamline your processes and customize the environment to suit your needs. You will gain visibility across all devices

Download Free Mastering Apache Cassandra Second Edition

in the network and retain full control. With easy-to-follow, step-by-step instructions and support images, you will quickly master the ability to manipulate your data and display it in a way that best suits you and your business or technical

Download Free Mastering Apache Cassandra Second Edition

requirements. This book not only covers designing, installing, and upgrading vRealize Operations 6.6, but also gives you a deep understanding of its building blocks: badges, alerts, super metrics, views, dashboards, management packs, and

Download Free Mastering Apache Cassandra Second Edition

plugins. With the new vRealize Operations 6.6 troubleshooting capabilities, capacity planning, intelligent workload placement, and additional monitoring capabilities, this book is aimed at ensuring you get the knowledge to manage your

Download Free Mastering Apache Cassandra Second Edition

virtualized environment as effectively as possible. What you will learn Discover advanced vRealize Operations concepts and design your processes effectively for the underlying architecture Plan and install a new version or upgrade

Download Free Mastering Apache Cassandra Second Edition

from a previous one Apply proven capacity management theories and techniques in practical, real-world environments Manipulate data and metrics to display them in the most effective way possible Create custom views and dashboards fit for

Download Free Mastering Apache Cassandra Second Edition

any use case Explore how policies have evolved in vRealize Operations 6.6 and how to apply them in the most effective manner Who this book is for If you are an administrator of a virtual environment and have used vRealize

Download Free Mastering Apache Cassandra Second Edition

Operations before but want to gain a professional understanding by easily implementing complex tasks with it, then this book is for you.

Effective data modeling,
performance tuning and data
visualization techniques in Neo4j

Download Free Mastering
Apache Cassandra Second
Edition

Getting Started with Hazelcast

Covers MongoDB version 3.0

Analyze and optimize your IT
environment by gaining a practical
understanding of vRealize

Operations 6.6, 2nd Edition

MongoDB in Action

Download Free Mastering Apache Cassandra Second Edition

A Developer's Approach

Describes the features and functions of Apache Hive, the data infrastructure for Hadoop.

The book is aimed at intermediate developers

Download Free Mastering Apache Cassandra Second Edition

with an understanding of core database concepts who want to become a master at implementing Cassandra for their application.

If you're like most R users, you have deep

Download Free Mastering Apache Cassandra Second Edition

knowledge and love for statistics. But as your organization continues to collect huge amounts of data, adding tools such as Apache Spark makes a lot of sense. With this

Download Free Mastering Apache Cassandra Second Edition

practical book, data
scientists and
professionals working with
large-scale data
applications will learn
how to use Spark from R to
tackle big data and big

Download Free Mastering Apache Cassandra Second Edition

compute problems. Authors Javier Luraschi, Kevin Kuo, and Edgar Ruiz show you how to use R with Spark to solve different data analysis problems. This book covers relevant

Download Free Mastering Apache Cassandra Second Edition

data science topics, cluster computing, and issues that should interest even the most advanced users. Analyze, explore, transform, and visualize data in Apache

Download Free Mastering Apache Cassandra Second Edition

Spark with R Create statistical models to extract information and predict outcomes; automate the process in production-ready workflows Perform analysis and modeling

Download Free Mastering Apache Cassandra Second Edition

across many machines using
distributed computing
techniques Use large-scale
data from multiple sources
and different formats with
ease from within Spark
Learn about alternative

Download Free Mastering Apache Cassandra Second Edition

modeling frameworks for
graph processing,
geospatial analysis, and
genomics at scale Dive
into advanced topics
including custom
transformations, real-time

Download Free Mastering Apache Cassandra Second Edition

data processing, and
creating custom Spark
extensions

Mastering Cloud Computing
is designed for
undergraduate students
learning to develop cloud

Download Free Mastering Apache Cassandra Second Edition

computing applications.
Tomorrow's applications
won't live on a single
computer but will be
deployed from and reside
on a virtual server,
accessible anywhere, any

Download Free Mastering Apache Cassandra Second Edition

time. Tomorrow's application developers need to understand the requirements of building apps for these virtual systems, including concurrent programming,

Download Free Mastering Apache Cassandra Second Edition

high-performance computing, and data-intensive systems. The book introduces the principles of distributed and parallel computing underlying cloud

Download Free Mastering Apache Cassandra Second Edition

architectures and specifically focuses on virtualization, thread programming, task programming, and map-reduce programming. There are examples demonstrating

Download Free Mastering Apache Cassandra Second Edition

all of these and more,
with exercises and labs
throughout. Explains how
to make design choices and
tradeoffs to consider when
building applications to
run in a virtual cloud

Download Free Mastering Apache Cassandra Second Edition

environment Real-world
case studies include
scientific, business, and
energy-efficiency
considerations

Learn Azure in a Month of
Lunches, Second Edition

Download Free Mastering
Apache Cassandra Second
Edition

Python Data Analysis

Mastering Spark with R

Professional NoSQL

Mastering Cloud Computing

Big Data – BigData 2019

*Build real-world, industry-
strength data storage*

Download Free Mastering
Apache Cassandra Second
Edition

*solutions with time-tested
design methodologies using
Cassandra About This Book
Explore design patterns
which co-exist with legacy
data stores, migration from
RDBMS, and caching*

Download Free Mastering
Apache Cassandra Second
Edition

*technologies with Cassandra
Learn about design patterns
and use Cassandra to
provide consistency,
availability, and partition
tolerance guarantees for
applications Handle*

Download Free Mastering
Apache Cassandra Second
Edition

temporal data for analytical purposes Who This Book Is For This book is intended for big data developers who are familiar with the basics of Cassandra and wish to understand and utilize

Download Free Mastering
Apache Cassandra Second
Edition

Cassandra design patterns to develop real-world big data solutions. Prior knowledge of RDBMS solutions is assumed. What You Will Learn Enable Cassandra to co-exist with

Download Free Mastering
Apache Cassandra Second
Edition

RDBMS and other legacy data stores Explore various design patterns to build effective and robust storage solutions Migrate from RDBMS-based data stores and caching solutions to

Download Free Mastering
Apache Cassandra Second
Edition

*Cassandra Understand the
behaviour of Cassandra
when trying to balance the
needs of consistency,
availability, and partition
tolerance Deal with time
stamps related to data*

Download Free Mastering
Apache Cassandra Second
Edition

*effectively See how
Cassandra can be used in
analytical use cases Apply
the design patterns covered
in this book in real-world
use cases In Detail There
are many NoSQL data stores*

Download Free Mastering Apache Cassandra Second Edition

used by big data applications. Cassandra is one of the most widely used NoSQL data stores that is frequently used by a huge number of heavy duty Internet-scale applications.

Download Free Mastering Apache Cassandra Second Edition

*Unlike the RDBMS world,
the NoSQL landscape is very
diverse and there is no one
way to model data stores.
This mandates the need to
have good solutions to
commonly seen data store*

Download Free Mastering
Apache Cassandra Second
Edition

design problems. Cassandra addresses such common problems simply. If you are new to Cassandra but well-versed in RDBMS modeling and design, then it is natural to model data in the same

Download Free Mastering
Apache Cassandra Second
Edition

way in Cassandra, resulting in poorly performing applications and losing the real purpose of Cassandra. If you want to learn to make the most of Cassandra, this book is for you. This book

Download Free Mastering
Apache Cassandra Second
Edition

starts with strategies to integrate Cassandra with other legacy data stores and progresses to the ways in which a migration from RDBMS to Cassandra can be accomplished. The journey

Download Free Mastering
Apache Cassandra Second
Edition

continues with ideas to migrate data from cache solutions to Cassandra. With this, the stage is set and the book moves on to some of the most commonly seen problems in applications

Download Free Mastering
Apache Cassandra Second
Edition

when dealing with consistency, availability, and partition tolerance guarantees. Cassandra is exceptionally good at dealing with temporal data and patterns such as the

Download Free Mastering Apache Cassandra Second Edition

time-series pattern and log pattern, which are covered next. Many NoSQL data stores fail miserably when a huge amount of data is read for analytical purposes, but Cassandra is different in this

Download Free Mastering
Apache Cassandra Second
Edition

regard. Keeping analytical needs in mind, you'll walk through different and interesting design patterns. No theoretical discussions are complete without a good set of use cases to which the

Download Free Mastering
Apache Cassandra Second
Edition

knowledge gained can be applied, so the book concludes with a set of use cases you can apply the patterns you've learned. Style and approach This book is written in very

Download Free Mastering
Apache Cassandra Second
Edition

*simple language and an
engaging style complete
with examples in every
chapter and real-world use
cases at the end of the book.
Imagine what you could do if
scalability wasn't a problem.*

Download Free Mastering
Apache Cassandra Second
Edition

*With this hands-on guide,
you'll learn how the
Cassandra database
management system handles
hundreds of terabytes of
data while remaining highly
available across multiple*

Download Free Mastering
Apache Cassandra Second
Edition

data centers. This expanded second edition—updated for Cassandra 3.0—provides the technical details and practical examples you need to put this database to work in a production

Download Free Mastering
Apache Cassandra Second
Edition

environment. Authors Jeff Carpenter and Eben Hewitt demonstrate the advantages of Cassandra's non-relational design, with special attention to data modeling. If you're a

Download Free Mastering
Apache Cassandra Second
Edition

developer, DBA, or application architect looking to solve a database scaling issue or future-proof your application, this guide helps you harness Cassandra's speed and flexibility.

Download Free Mastering
Apache Cassandra Second
Edition

*Understand Cassandra's
distributed and
decentralized structure Use
the Cassandra Query
Language (CQL) and
cqlsh—the CQL shell Create
a working data model and*

Download Free Mastering
Apache Cassandra Second
Edition

*compare it with an
equivalent relational model
Develop sample applications
using client drivers for
languages including Java,
Python, and Node.js Explore
cluster topology and learn*

Download Free Mastering
Apache Cassandra Second
Edition

*how nodes exchange data
Maintain a high level of
performance in your cluster
Deploy Cassandra on site, in
the Cloud, or with Docker
Integrate Cassandra with
Spark, Hadoop,*

Download Free Mastering
Apache Cassandra Second
Edition

*Elasticsearch, Solr, and
Lucene*

*Master the art of container
management utilizing the
power of Kubernetes. About
This Book This practical
guide demystifies*

Download Free Mastering
Apache Cassandra Second
Edition

Kubernetes and ensures that your clusters are always available, scalable, and up to date Discover new features such as autoscaling, rolling updates, resource quotas, and cluster size Master the

Download Free Mastering
Apache Cassandra Second
Edition

*skills of designing and
deploying large clusters on
various cloud platforms Who
This Book Is For The book is
for system administrators
and developers who have
intermediate level of*

Download Free Mastering
Apache Cassandra Second
Edition

knowledge with Kubernetes and are now waiting to master its advanced features. You should also have basic networking knowledge. This advanced-level book provides a

Download Free Mastering
Apache Cassandra Second
Edition

*pathway to master
Kubernetes. What You Will
Learn Architect a robust
Kubernetes cluster for long-
time operation Discover the
advantages of running
Kubernetes on GCE, AWS,*

Download Free Mastering
Apache Cassandra Second
Edition

*Azure, and bare metal See
the identity model of
Kubernetes and options for
cluster federation Monitor
and troubleshoot
Kubernetes clusters and run
a highly available*

Download Free Mastering
Apache Cassandra Second
Edition

*Kubernetes Create and
configure custom
Kubernetes resources and
use third-party resources in
your automation workflows
Discover the art of running
complex stateful*

Download Free Mastering
Apache Cassandra Second
Edition

*applications in your
container environment
Deliver applications as
standard packages In Detail
Kubernetes is an open
source system to automate
the deployment, scaling, and*

Download Free Mastering
Apache Cassandra Second
Edition

*management of
containerized applications.*

*If you are running more than
just a few containers or
want automated
management of your
containers, you need*

Download Free Mastering
Apache Cassandra Second
Edition

Kubernetes. This book mainly focuses on the advanced management of Kubernetes clusters. It covers problems that arise when you start using container orchestration in

Download Free Mastering
Apache Cassandra Second
Edition

production. We start by giving you an overview of the guiding principles in Kubernetes design and show you the best practises in the fields of security, high availability, and cluster

Download Free Mastering
Apache Cassandra Second
Edition

federation. You will discover how to run complex stateful microservices on Kubernetes including advanced features as horizontal pod autoscaling, rolling updates, resource quotas, and

Download Free Mastering
Apache Cassandra Second
Edition

persistent storage back ends. Using real-world use cases, we explain the options for network configuration and provides guidelines on how to set up, operate, and troubleshoot

Download Free Mastering
Apache Cassandra Second
Edition

various Kubernetes networking plugins. Finally, we cover custom resource development and utilization in automation and maintenance workflows. By the end of this book, you'll

Download Free Mastering
Apache Cassandra Second
Edition

know everything you need to know to go from intermediate to advanced level. Style and approach Delving into the design of the Kubernetes platform, the reader will be exposed to

Download Free Mastering
Apache Cassandra Second
Edition

the advanced features and best practices of Kubernetes. This book will be an advanced level book which will provide a pathway to master Kubernetes

Download Free Mastering
Apache Cassandra Second
Edition

*Build, manage, and
configure high-performing,
reliable NoSQL database for
your applications with
Cassandra Key Features
Write programs more
efficiently using Cassandra's*

Download Free Mastering
Apache Cassandra Second
Edition

*features with the help of
examples Configure
Cassandra and fine-tune its
parameters depending on
your needs Integrate
Cassandra database with
Apache Spark and build*

Download Free Mastering
Apache Cassandra Second
Edition

strong data analytics

pipeline Book Description

*With ever-increasing rates of
data creation, the demand
for storing data fast and
reliably becomes a need.*

Apache Cassandra is the

Download Free Mastering
Apache Cassandra Second
Edition

*perfect choice for building
fault-tolerant and scalable
databases. Mastering
Apache Cassandra 3.x
teaches you how to build
and architect your clusters,
configure and work with*

Download Free Mastering
Apache Cassandra Second
Edition

your nodes, and program in a high-throughput environment, helping you understand the power of Cassandra as per the new features. Once you've covered a brief recap of the

Download Free Mastering
Apache Cassandra Second
Edition

*basics, you'll move on to
deploying and monitoring a
production setup and
optimizing and integrating it
with other software. You'll
work with the advanced
features of CQL and the new*

Download Free Mastering
Apache Cassandra Second
Edition

storage engine in order to understand how they function on the server-side. You'll explore the integration and interaction of Cassandra components, followed by discovering

Download Free Mastering
Apache Cassandra Second
Edition

features such as token allocation algorithm, CQL3, vnodes, lightweight transactions, and data modelling in detail. Last but not least you will get to grips with Apache Spark. By

Download Free Mastering
Apache Cassandra Second
Edition

the end of this book, you'll be able to analyse big data, and build and manage high-performance databases for your application. What you will learn Write programs more efficiently using

Download Free Mastering Apache Cassandra Second Edition

*Cassandra's features more efficiently Exploit the given infrastructure, improve performance, and tweak the Java Virtual Machine (JVM)
Use CQL3 in your application in order to*

Download Free Mastering
Apache Cassandra Second
Edition

*simplify working with
Cassandra Configure
Cassandra and fine-tune its
parameters depending on
your needs Set up a cluster
and learn how to scale it
Monitor a Cassandra cluster*

Download Free Mastering
Apache Cassandra Second
Edition

*in different ways Use
Apache Spark and other big
data processing tools Who
this book is for Mastering
Apache Cassandra 3.x is for
you if you are a big data
administrator, database*

Download Free Mastering Apache Cassandra Second Edition

administrator, architect, or developer who wants to build a high-performing, scalable, and fault-tolerant database. Prior knowledge of core concepts of databases is required.

Download Free Mastering
Apache Cassandra Second
Edition

Programming Hive

Mastering Apache Pulsar

Master SQL Fundamentals

Mastering vRealize

Operations Manager

*Big Data Processing Made
Simple*

Download Free Mastering
Apache Cassandra Second
Edition

*Hands-On Deep Learning
with Apache Spark*

***A step-by-step guide to
creating and deploying
production-quality
microservices-based
applications Key***

Page 286/357

Download Free Mastering
Apache Cassandra Second
Edition

Features Build cloud-native production-ready microservices with this comprehensively updated guide ***Understand the challenges of building large-scale microservice***

Download Free Mastering
Apache Cassandra Second
Edition

***architectures Learn how to
get the best out of Spring
Cloud, Kubernetes, and
Istio in combination Book
Description With this book,
you'll learn how to
efficiently build and deploy***

Download Free Mastering
Apache Cassandra Second
Edition

microservices. This new edition has been updated for the most recent versions of Spring, Java, Kubernetes, and Istio, demonstrating faster and simpler handling of Spring

Download Free Mastering
Apache Cassandra Second
Edition

Boot, local Kubernetes clusters, and Istio installation. The expanded scope includes native compilation of Spring-based microservices, support for Mac and

Download Free Mastering
Apache Cassandra Second
Edition

***Windows with WSL2, and
an introduction to Helm 3
for packaging and
deployment. A revamped
security chapter now
follows the OAuth 2.1
specification and makes***

Download Free Mastering
Apache Cassandra Second
Edition

***use of the newly launched
Spring Authorization Server
from the Spring team.
Starting with a set of
simple cooperating
microservices, you'll add
persistence and resilience,***

Download Free Mastering
Apache Cassandra Second
Edition

make your microservices reactive, and document their APIs using OpenAPI. You'll understand how fundamental design patterns are applied to add important functionality,

Download Free Mastering
Apache Cassandra Second
Edition

***such as service discovery
with Netflix Eureka and
edge servers with Spring
Cloud Gateway. You'll learn
how to deploy your
microservices using
Kubernetes and adopt Istio.***

Download Free Mastering
Apache Cassandra Second
Edition

You'll explore centralized log management using the Elasticsearch, Fluentd, and Kibana (EFK) stack and monitor microservices using Prometheus and Grafana. By the end of this

Download Free Mastering
Apache Cassandra Second
Edition

book, you'll be confident in building microservices that are scalable and robust using Spring Boot and Spring Cloud. What you will learnBuild reactive microservices using Spring

Download Free Mastering
Apache Cassandra Second
Edition

***Develop resilient and
scalable microservices
using Spring Cloud
OAuth 2.1/OIDC and Spring
Security to protect public
APIs
Implement Docker to
bridge the gap between***

Download Free Mastering
Apache Cassandra Second
Edition

***development, testing, and
productionDeploy and
manage microservices with
KubernetesApply Istio for
improved security,
observability, and traffic
managementWrite and run***

Download Free Mastering
Apache Cassandra Second
Edition

***automated microservice
tests with JUnit,
testcontainers, Gradle, and
bashWho this book is for If
you are a Java or Spring
Boot developer who wants
to learn how to build***

Download Free Mastering
Apache Cassandra Second
Edition

***microservice landscapes
from scratch, this book is
for you. No familiarity with
microservices architecture
is required.***

***Understand how to apply
distributed tracing to***

Download Free Mastering
Apache Cassandra Second
Edition

***microservices-based
architectures Key
FeaturesA thorough
conceptual introduction to
distributed tracingAn
exploration of the most
important open standards***

Download Free Mastering
Apache Cassandra Second
Edition

***in the spaceA how-to guide
for code instrumentation
and operating a tracing
infrastructureBook
Description Mastering
Distributed Tracing will
equip you to operate and***

Download Free Mastering
Apache Cassandra Second
Edition

enhance your own tracing infrastructure. Through practical exercises and code examples, you will learn how end-to-end tracing can be used as a powerful application

Download Free Mastering
Apache Cassandra Second
Edition

performance management and comprehension tool. The rise of Internet-scale companies, like Google and Amazon, ushered in a new era of distributed systems operating on thousands of

Download Free Mastering
Apache Cassandra Second
Edition

nodes across multiple data centers. Microservices increased that complexity, often exponentially. It is harder to debug these systems, track down failures, detect

Download Free Mastering
Apache Cassandra Second
Edition

bottlenecks, or even simply understand what is going on. Distributed tracing focuses on solving these problems for complex distributed systems. Today, tracing standards have

Download Free Mastering
Apache Cassandra Second
Edition

***developed and we have
much faster systems,
making instrumentation
less intrusive and data
more valuable. Yuri Shkuro,
the creator of Jaeger, a
popular open-source***

Download Free Mastering
Apache Cassandra Second
Edition

***distributed tracing system,
delivers end-to-end
coverage of the field in
Mastering Distributed
Tracing. Review the history
and theoretical foundations
of tracing; solve the data***

Download Free Mastering
Apache Cassandra Second
Edition

***gathering problem through
code instrumentation, with
open standards like
OpenTracing, W3C Trace
Context, and OpenCensus;
and discuss the benefits
and applications of a***

Download Free Mastering
Apache Cassandra Second
Edition

***distributed tracing
infrastructure for
understanding, and
profiling, complex systems.
What you will learn
How to
get started with using a
distributed tracing***

Download Free Mastering
Apache Cassandra Second
Edition

system***How to get the most
value out of end-to-end
tracing******Learn about open
standards in the
space******Learn about code
instrumentation and
operating a tracing***

Download Free Mastering
Apache Cassandra Second
Edition

***infrastructure Learn where
distributed tracing fits into
microservices as a core
function Who this book is
for Any developer
interested in testing large
systems will find this book***

Download Free Mastering
Apache Cassandra Second
Edition

very revealing and in places, surprising. Every microservice architect and developer should have an insight into distributed tracing, and the book will help them on their way.

Download Free Mastering
Apache Cassandra Second
Edition

System administrators with some development skills will also benefit. No particular programming language skills are required, although an ability to read Java, while

Download Free Mastering
Apache Cassandra Second
Edition

***non-essential, will help with
the core chapters.***

***Speed up the design and
implementation of deep
learning solutions using
Apache Spark Key
FeaturesExplore the world***

Download Free Mastering
Apache Cassandra Second
Edition

***of distributed deep learning
with Apache SparkTrain
neural networks with deep
learning libraries such as
BigDL and
TensorFlowDevelop Spark
deep learning applications***

Download Free Mastering
Apache Cassandra Second
Edition

***to intelligently handle large
and complex datasets***
**Book
Description Deep learning
is a subset of machine
learning where datasets
with several layers of
complexity can be**

Download Free Mastering
Apache Cassandra Second
Edition

processed. Hands-On Deep Learning with Apache Spark addresses the sheer complexity of technical and analytical parts and the speed at which deep learning solutions can be

Download Free Mastering
Apache Cassandra Second
Edition

implemented on Apache Spark. The book starts with the fundamentals of Apache Spark and deep learning. You will set up Spark for deep learning, learn principles of

Download Free Mastering
Apache Cassandra Second
Edition

distributed modeling, and understand different types of neural nets. You will then implement deep learning models, such as convolutional neural networks (CNNs), recurrent

Download Free Mastering
Apache Cassandra Second
Edition

***neural networks (RNNs),
and long short-term
memory (LSTM) on Spark.
As you progress through
the book, you will gain
hands-on experience of
what it takes to understand***

Download Free Mastering
Apache Cassandra Second
Edition

the complex datasets you are dealing with. During the course of this book, you will use popular deep learning frameworks, such as TensorFlow, Deeplearning4j, and Keras

Download Free Mastering
Apache Cassandra Second
Edition

to train your distributed models. By the end of this book, you'll have gained experience with the implementation of your models on a variety of use cases. What you will

Download Free Mastering
Apache Cassandra Second
Edition

***learn Understand the basics
of deep learning Set up
Apache Spark for deep
learning Understand the
principles of distribution
modeling and different
types of neural***

Download Free Mastering
Apache Cassandra Second
Edition

***networks Obtain an
understanding of deep
learning
algorithms Discover textual
analysis and deep learning
with Spark Use popular
deep learning frameworks,***

Download Free Mastering
Apache Cassandra Second
Edition

***such as DeepLearning4j,
TensorFlow, and
KerasExplore popular deep
learning algorithms Who
this book is for If you are a
Scala developer, data
scientist, or data analyst***

Download Free Mastering
Apache Cassandra Second
Edition

***who wants to learn how to
use Spark for implementing
efficient deep learning
models, Hands-On Deep
Learning with Apache Spark
is for you. Knowledge of
the core machine learning***

Download Free Mastering
Apache Cassandra Second
Edition

concepts and some exposure to Spark will be helpful.

This book contains an extensive set of practical examples and an easy-to-follow approach to creating

Download Free Mastering
Apache Cassandra Second
Edition

3D objects. This book is great for anyone who already knows JavaScript and who wants to start creating 3D graphics that run in any browser. You don't need to know

Download Free Mastering
Apache Cassandra Second
Edition

anything about advanced math or WebGL; all that is needed is a general knowledge of JavaScript and HTML. The required materials and examples can be freely downloaded and

Download Free Mastering
Apache Cassandra Second
Edition

***all tools used in this book
are open source.***

***Get up and running with
the fundamentals and
functionalities of seven of
the most popular NoSQL
databases***

Download Free Mastering
Apache Cassandra Second
Edition

***An expert guide to
improving database
scalability and availability
without compromising
performance, 3rd Edition
Kafka: The Definitive Guide
Learning Spark***

Download Free Mastering
Apache Cassandra Second
Edition

***Complete Build
Management for Java
Big Data SMACK***

This volume constitutes the
proceedings of the 8th
International Congress on
BIGDATA 2019, held as Part of
SCF 2019 in San Diego, CA, USA

Download Free Mastering Apache Cassandra Second Edition

in June 2019. The 9 full papers presented in this volume were carefully reviewed and selected from 14 submissions. They cover topics such as: Big Data Models and Algorithms; Big Data Architectures; Big Data Management; Big Data

Download Free Mastering Apache Cassandra Second Edition

Protection, Integrity and Privacy;
Security Applications of Big Data;
Big Data Search and Mining; Big
Data for Enterprise, Government
and Society.

This updated and expanded
second edition of the Mastering
Apache Cassandra - Second

Download Free Mastering Apache Cassandra Second Edition

Edition provides a user-friendly introduction to the subject. Taking a clear structural framework, it guides the reader through the subject's core elements. A flowing writing style combines with the use of illustrations and diagrams

Download Free Mastering Apache Cassandra Second Edition

throughout the text to ensure the reader understands even the most complex of concepts. This succinct and enlightening overview is a required reading for all those interested in the subject . We hope you find this book useful in shaping your

Download Free Mastering Apache Cassandra Second Edition

future career & Business.

Create your own massively scalable Cassandra database with highly responsive database queries About This Book Create a Cassandra cluster and tweak its configuration to get the best performance based on your

Download Free Mastering Apache Cassandra Second Edition

environment Analyze the key concepts and architecture of Cassandra, which are essential to create highly responsive Cassandra databases A fast-paced and step-by-step guide on handling huge amount of data and getting the best out of your

Download Free Mastering Apache Cassandra Second Edition

database applications Who This Book Is For If you are a developer who is working with Cassandra and you want to deep dive into the core concepts and understand Cassandra's non-relational nature, then this book is for you. A basic understanding

Download Free Mastering Apache Cassandra Second Edition

of Cassandra is expected. What
You Will Learn Install and set up
your Cassandra Cluster using
various installation types Use
Cassandra Query Language
(CQL) to design Cassandra
database and tables with various
configuration options Design

Download Free Mastering Apache Cassandra Second Edition

your Cassandra database to be evenly loaded with the lowest read/write latencies Employ the available Cassandra tools to monitor and maintain a Cassandra cluster Debug CQL queries to discover why they are performing relatively slowly

Download Free Mastering Apache Cassandra Second Edition

Choose the best-suited
compaction strategy for your
database based on your usage
pattern Tune Cassandra based on
your deployment operation
system environment In Detail
Apache Cassandra Essentials
takes you step-by-step from from

Download Free Mastering Apache Cassandra Second Edition

the basics of installation to advanced installation options and database design techniques. It gives you all the information you need to effectively design a well distributed and high performance database. You'll get to know about the steps that are

Download Free Mastering Apache Cassandra Second Edition

performed by a Cassandra node when you execute a read/write query, which is essential to properly maintain of a Cassandra cluster and to debug any issues. Next, you'll discover how to integrate a Cassandra driver in your applications and perform

Download Free Mastering Apache Cassandra Second Edition

read/write operations. Finally, you'll learn about the various tools provided by Cassandra for serviceability aspects such as logging, metrics, backup, and recovery. Style and approach
This step-by-step guide is packed with examples that explain the

Download Free Mastering Apache Cassandra Second Edition

core concepts as well as advanced concepts, techniques, and usages of Apache Cassandra. Master the art of creating scalable, concurrent, and reactive applications using Akka

About This Book This book will help you cure anemic models

Download Free Mastering Apache Cassandra Second Edition

with domain-driven design We cover major Akka programming concepts such as concurrency, scalability, and reactivity You will learn concepts like Event Sourcing and CQRS via Akka Persistence, Akka Streams, Akka Http as well as Akka Clustering

Download Free Mastering Apache Cassandra Second Edition

Who This Book Is For If you want to use the Lightbend platform to create highly performant reactive applications, then this book is for you. If you are a Scala developer looking for techniques to use all features of the new Akka release and want to incorporate these

Download Free Mastering Apache Cassandra Second Edition

solutions in your current or new projects, then this book is for you. Expert Java developers who want to build scalable, concurrent, and reactive application will find this book helpful. What You Will Learn Use Akka actors to enable parallel

Download Free Mastering Apache Cassandra Second Edition

execution Build out domain-driven design based components like entities and aggregates Respond to command requests on that aggregate root that affect the internal state Leverage Akka Persistence, protobuf and Cassandra to save the persistent

Download Free Mastering Apache Cassandra Second Edition

state of you entities Build out
complex processing graphs with
the Graph Builder DSL
Understand the dynamic
push/pull nature of backpressure
handling within Akka Streams
Route HTTP requests to an actor
and return a response Deploy

Download Free Mastering Apache Cassandra Second Edition

actor instances across a set of nodes via ConductR for high availability In Detail For a programmer, writing multi-threaded applications is critical as it is important to break large tasks into smaller ones and run them simultaneously. Akka is a

Download Free Mastering Apache Cassandra Second Edition

distributed computing toolkit that uses the abstraction of the Actor model, enabling developers to build correct, concurrent, and distributed applications using Java and Scala with ease. The book begins with a quick introduction that simplifies

Download Free Mastering Apache Cassandra Second Edition

concurrent programming with actors. We then proceed to master all aspects of domain-driven design. We'll teach you how to scale out with Akka Remoting/Clustering. Finally, we introduce Conductr as a means to deploy to and manage

Download Free Mastering Apache Cassandra Second Edition

microservices across a cluster.

Style and approach This comprehensive, fast-paced guide is packed with several real-world use cases that will help you understand concepts, issues, and resolutions while using Akka to create highly performant,

Download Free Mastering Apache Cassandra Second Edition

scalable, and concurrency-proof
reactive applications.

Mastering Distributed Tracing

Build and deploy distributed deep
learning applications on Apache
Spark

Apache Maven Cookbook