

Read Free Apache Maven Cookbook Read Pdf Free

[Apache Maven Cookbook](#) [Apache Maven Cookbook](#) [Apache Maven 3 Cookbook](#) [Apache Camel Developer's Cookbook](#) [Maven: The Definitive Guide](#) [Introducing Maven](#) [Java Cookbook](#) [Apache Sqoop Cookbook](#) [Groovy 2 Cookbook](#) [Tomcat: The Definitive Guide](#) [Apache Karaf Cookbook](#) [Mockito Cookbook](#) [Apache Mesos Cookbook](#) [Amazon S3 Cookbook](#) [Apache Spark for Data Science Cookbook](#) [Quarkus Cookbook](#) [Java Deep Learning Cookbook](#) [Spring Roo 1.1 Cookbook](#) [Akka Cookbook](#) [WildFly Cookbook](#) [Knative Cookbook](#) [Drools Developer's Cookbook](#) [JMeter Cookbook](#) [Apache Spark 2.x Cookbook](#) [Azure Databricks Cookbook](#) [Hadoop 2.x Administration Cookbook](#) [Java SOA Cookbook](#) [Scala Cookbook](#) [Libgdx Cross-platform Game Development Cookbook](#) [PySpark Cookbook](#) [Java 11 Cookbook](#) [Practical Apache Struts 2](#) [Web 2.0 Projects](#) [Python Network Programming Cookbook](#) [Presto: The Definitive Guide](#) [Spring Web Services Cookbook](#) [CMIS and Apache Chemistry in Action](#) [60 Recipes for Apache CloudStack](#) [Spring 5.0 Cookbook](#) [Spring MVC: Beginner's Guide](#) [Kotlin Programming Cookbook](#)

Thank you for reading **Apache Maven Cookbook**. Maybe you have knowledge that, people have look hundreds times for their chosen novels like this Apache Maven Cookbook, but end up in malicious downloads. Rather than enjoying a good book with a cup of tea in the afternoon, instead they are facing with some harmful virus inside their computer.

Apache Maven Cookbook is available in our digital library an online access to it is set as public so you can download it instantly.

Our books collection spans in multiple countries, allowing you to get the most less latency time to download any of our

books like this one.

Kindly say, the Apache Maven Cookbook is universally compatible with any devices to read

As recognized, adventure as with ease as experience virtually lesson, amusement, as well as bargain can be gotten by just checking out a books **Apache Maven Cookbook** also it is not directly done, you could acknowledge even more on the order of this life, going on for the world.

We present you this proper as skillfully as easy habit to get those all. We have the funds for Apache Maven Cookbook and numerous books collections from fictions to scientific research in any way. along with them is this Apache Maven Cookbook that can be your partner.

Getting the books **Apache Maven Cookbook** now is not type of inspiring means. You could not without help going in the same way as ebook accrual or library or borrowing from your links to gate them. This is an utterly easy means to specifically get lead by on-line. This online proclamation Apache Maven Cookbook can be one of the options to accompany you taking into account having extra time.

It will not waste your time. endure me, the e-book will totally express you new issue to read. Just invest tiny period to retrieve this on-line proclamation **Apache Maven Cookbook** as skillfully as review them wherever you are now.

Yeah, reviewing a book **Apache Maven Cookbook** could increase your near associates listings. This is just one of the solutions for you to be successful. As understood, ability does not suggest that you have astonishing points.

Comprehending as skillfully as arrangement even more than new will have the funds for each success. adjacent to, the pronouncement as capably as perspicacity of this Apache Maven Cookbook can be taken as with ease as picked to act.

Planning to deploy and maintain a public, private, or hybrid cloud service? This cookbook's handy how-to recipes help you quickly learn and install Apache CloudStack, along with several API clients, API wrappers, data architectures, and

configuration management technologies that work as part of CloudStack's ecosystem. You'll learn how to use Vagrant, Ansible, Chef, Fluentd, Libcloud, and several other open source tools that let you build and operate CloudStack better and faster. If you're an experienced programmer, system administrator, or DevOps practitioner familiar with bash, Git, package management, and some Python, you're ready to go. Learn basic CloudStack installation from source, including features such as DevCloud, the CloudStack sandbox Get a step-by-step guide for installing CloudStack from packages on Ubuntu 14.04 using KVM Write your own applications on top of the CloudStack API, using CloudMonkey, Libcloud, jclouds, and CloStack Expose different APIs on CloudStack with the EC2Stack, Boto, and Eutester API wrappers Deploy applications easily, using Puppet, Salt, Ansible, Chef, and Vagrant Dive into cloud monitoring and storage with RiakCS, Fluentd, and Apache Whirr This book is great for you if you are a developer, quality assurance engineer, tester, or test manager who is looking to get a firmer grasp of elementary, deep, and advanced testing concepts using Apache JMeter. It's assumed you have access to a computer and an Internet connection. No prior testing or programming experience is required, but would be helpful. If you are a Java developer or a manager who 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 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. This well-detailed Cookbook takes you step by step, doing one task at a time with the latest version of Apache Maven 3. You will find this Cookbook an answer to almost all your needs for building high-quality Java applications with well-explained code and many illustrations to quicken up your learning. If you're a Java developer, it will arm you with all the critical information you need to get to grips with Maven 3, the latest version of the powerful build tool by Apache. This book is for Java developers, teams, and managers who want to implement Apache Maven in their development process, leveraging the software engineering best practices and agile team collaboration techniques it brings along. The book is also specifically for the developer who wishes to get started in Apache Maven and use it with a range of emergent and enterprise technologies including Enterprise Java, Frameworks, Google App Engine, Android, and Scala. Over 60 recipes to help you speed up the development of your Java web applications using the Spring Roo development tool. Save time and trouble when using Scala to build object-oriented, functional, and concurrent applications. With more than 250 ready-to-use recipes and 700 code examples, this comprehensive cookbook covers the most common problems you'll encounter when using the Scala language, libraries, and tools. It's ideal not only for experienced Scala developers, but also for programmers learning to use this JVM language. Author Alvin Alexander (creator

of DevDaily.com) provides solutions based on his experience using Scala for highly scalable, component-based applications that support concurrency and distribution. Packed with real-world scenarios, this book provides recipes for: Strings, numeric types, and control structures Classes, methods, objects, traits, and packaging Functional programming in a variety of situations Collections covering Scala's wealth of classes and methods Concurrency, using the Akka Actors library Using the Scala REPL and the Simple Build Tool (SBT) Web services on both the client and server sides Interacting with SQL and NoSQL databases Best practices in Scala development Integrating data from multiple sources is essential in the age of big data, but it can be a challenging and time-consuming task. This handy cookbook provides dozens of ready-to-use recipes for using Apache Sqoop, the command-line interface application that optimizes data transfers between relational databases and Hadoop. Sqoop is both powerful and bewildering, but with this cookbook's problem-solution-discussion format, you'll quickly learn how to deploy and then apply Sqoop in your environment. The authors provide MySQL, Oracle, and PostgreSQL database examples on GitHub that you can easily adapt for SQL Server, Netezza, Teradata, or other relational systems. Transfer data from a single database table into your Hadoop ecosystem Keep table data and Hadoop in sync by importing data incrementally Import data from more than one database table Customize transferred data by calling various database functions Export generated, processed, or backed-up data from Hadoop to your database Run Sqoop within Oozie, Hadoop's specialized workflow scheduler Load data into Hadoop's data warehouse (Hive) or database (HBase) Handle installation, connection, and syntax issues common to specific database vendors Get to grips with building and productionizing end-to-end big data solutions in Azure and learn best practices for working with large datasets Key Features Integrate with Azure Synapse Analytics, Cosmos DB, and Azure HDInsight Kafka Cluster to scale and analyze your projects and build pipelines Use Databricks SQL to run ad hoc queries on your data lake and create dashboards Productionize a solution using CI/CD for deploying notebooks and Azure Databricks Service to various environments Book Description Azure Databricks is a unified collaborative platform for performing scalable analytics in an interactive environment. The Azure Databricks Cookbook provides recipes to get hands-on with the analytics process, including ingesting data from various batch and streaming sources and building a modern data warehouse. The book starts by teaching you how to create an Azure Databricks instance within the Azure portal, Azure CLI, and ARM templates. You'll work through clusters in Databricks and explore recipes for ingesting data from sources, including files, databases, and streaming sources such as Apache Kafka and EventHub. The book will help you explore all the features supported by Azure Databricks for building powerful end-to-end data pipelines. You'll also find out how to build a modern data warehouse by using Delta tables and

Azure Synapse Analytics. Later, you'll learn how to write ad hoc queries and extract meaningful insights from the data lake by creating visualizations and dashboards with Databricks SQL. Finally, you'll deploy and productionize a data pipeline as well as deploy notebooks and Azure Databricks service using continuous integration and continuous delivery (CI/CD). By the end of this Azure book, you'll be able to use Azure Databricks to streamline different processes involved in building data-driven apps. What you will learn

Read and write data from and to various Azure resources and file formats

Build a modern data warehouse with Delta Tables and Azure Synapse Analytics

Explore jobs, stages, and tasks and see how Spark lazy evaluation works

Handle concurrent transactions and learn performance optimization in Delta tables

Learn Databricks SQL and create real-time dashboards in Databricks SQL

Integrate Azure DevOps for version control, deploying, and productionizing solutions with CI/CD pipelines

Discover how to use RBAC and ACLs to restrict data access

Build end-to-end data processing pipeline for near real-time data analytics

Who this book is for

This recipe-based book is for data scientists, data engineers, big data professionals, and machine learning engineers who want to perform data analytics on their applications. Prior experience of working with Apache Spark and Azure is necessary to get the most out of this book.

Summary

CMIS and Apache Chemistry in Action is a comprehensive guide to the CMIS standard and related ECM concepts, written by the authors of the standard. In it, you'll tackle hands-on examples for building applications on CMIS repositories from both the client and the server sides. You'll learn how to create new content-centric applications that install and run in any CMIS-compliant repository.

About The Technology Content Management Interoperability Services (CMIS) is an OASIS standard for accessing content management systems. It specifies a vendor- and language-neutral way to interact with any compliant content repository. Apache Chemistry provides complete reference implementations of the CMIS standard with robust APIs for developers writing tools, applications, and servers.

About This Book

CMIS and Apache Chemistry in Action is a comprehensive guide to the CMIS standard and related ECM concepts. In it, you'll find clear teaching and instantly useful examples for building content-centric client and server-side applications that run against any CMIS-compliant repository. In fact, using the CMIS Workbench and the InMemory Repository from Apache Chemistry, you'll have running code talking to a real CMIS server by the end of chapter 1. This book requires some familiarity with content management systems and a standard programming language like Java or C#. No exposure to CMIS or Apache Chemistry is assumed. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

What's Inside

The only CMIS book endorsed by OASIS

Complete coverage of the CMIS 1.0 and 1.1 specifications

Cookbook-style tutorials and real-world examples

About the Authors

Florian Müller, Jay Brown, and Jeff

Potts are among the original authors, contributors, and leaders of Apache Chemistry and the OASIS CMIS specification. They continue to shape CMIS implementations at Alfresco, IBM, and SAP.

Table of Contents

PART 1 UNDERSTANDING CMIS

Introducing CMIS Exploring the CMIS domain model Creating, updating, and deleting objects with CMIS CMIS metadata: types and properties Query

PART 2 HANDS-ON CMIS CLIENT DEVELOPMENT

Meet your new project: The Blend The Blend: read and query functionality The Blend: create, update, and delete functionality Using other client libraries Building mobile apps with CMIS

PART 3 ADVANCED TOPICS

CMIS bindings Security and control Performance Building a CMIS server Enterprise developers face several challenges when it comes to building serverless applications, such as integrating applications and building container images from source. With more than 60 practical recipes, this cookbook helps you solve these issues with Knative—the first serverless platform natively designed for Kubernetes. Each recipe contains detailed examples and exercises, along with a discussion of how and why it works. If you have a good understanding of serverless computing and Kubernetes core resources such as deployment, services, routes, and replicas, the recipes in this cookbook show you how to apply Knative in real enterprise application development. Authors Kamesh Sampath and Burr Sutter include chapters on autoscaling, build and eventing, observability, Knative on OpenShift, and more. With this cookbook, you'll learn how to:

- Efficiently build, deploy, and manage modern serverless workloads
- Apply Knative in real enterprise scenarios, including advanced eventing
- Monitor your Knative serverless applications effectively
- Integrate Knative with CI/CD principles, such as using pipelines for faster, more successful production deployments
- Deploy a rich ecosystem of enterprise integration patterns and connectors in Apache Camel K as Kubernetes and Knative components
- Use Java and Deeplearning4j to build robust, scalable, and highly accurate AI models from scratch

Key Features

- Install and configure Deeplearning4j to implement deep learning models from scratch
- Explore recipes for developing, training, and fine-tuning your neural network models in Java
- Model neural networks using datasets containing images, text, and time-series data

Book Description

Java is one of the most widely used programming languages in the world. With this book, you will see how to perform deep learning using Deeplearning4j (DL4J) – the most popular Java library for training neural networks efficiently. This book starts by showing you how to install and configure Java and DL4J on your system. You will then gain insights into deep learning basics and use your knowledge to create a deep neural network for binary classification from scratch. As you progress, you will discover how to build a convolutional neural network (CNN) in DL4J, and understand how to construct numeric vectors from text. This deep learning book will also guide you through performing anomaly detection on unsupervised data and help you set up neural networks in distributed systems effectively. In addition to this, you

will learn how to import models from Keras and change the configuration in a pre-trained DL4J model. Finally, you will explore benchmarking in DL4J and optimize neural networks for optimal results. By the end of this book, you will have a clear understanding of how you can use DL4J to build robust deep learning applications in Java. What you will learn

- Perform data normalization and wrangling using DL4J
- Build deep neural networks using DL4J
- Implement CNNs to solve image classification problems
- Train autoencoders to solve anomaly detection problems using DL4J
- Perform benchmarking and optimization to improve your model's performance
- Implement reinforcement learning for real-world use cases using RL4J
- Leverage the capabilities of DL4J in distributed systems

Who this book is for If you are a data scientist, machine learning developer, or a deep learning enthusiast who wants to implement deep learning models in Java, this book is for you. Basic understanding of Java programming as well as some experience with machine learning and neural networks is required to get the most out of this book. Over insightful 90 recipes to get lightning-fast analytics with Apache Spark

About This Book Use Apache Spark for data processing with these hands-on recipes Implement end-to-end, large-scale data analysis better than ever before Work with powerful libraries such as MLLib, SciPy, NumPy, and Pandas to gain insights from your data

Who This Book Is For This book is for novice and intermediate level data science professionals and data analysts who want to solve data science problems with a distributed computing framework. Basic experience with data science implementation tasks is expected. Data science professionals looking to skill up and gain an edge in the field will find this book helpful. What You Will Learn Explore the topics of data mining, text mining, Natural Language Processing, information retrieval, and machine learning. Solve real-world analytical problems with large data sets. Address data science challenges with analytical tools on a distributed system like Spark (apt for iterative algorithms), which offers in-memory processing and more flexibility for data analysis at scale. Get hands-on experience with algorithms like Classification, regression, and recommendation on real datasets using Spark MLLib package. Learn about numerical and scientific computing using NumPy and SciPy on Spark. Use Predictive Model Markup Language (PMML) in Spark for statistical data mining models. In Detail Spark has emerged as the most promising big data analytics engine for data science professionals. The true power and value of Apache Spark lies in its ability to execute data science tasks with speed and accuracy. Spark's selling point is that it combines ETL, batch analytics, real-time stream analysis, machine learning, graph processing, and visualizations. It lets you tackle the complexities that come with raw unstructured data sets with ease. This guide will get you comfortable and confident performing data science tasks with Spark. You will learn about implementations including distributed deep learning, numerical computing, and scalable machine learning. You will be shown effective solutions to

problematic concepts in data science using Spark's data science libraries such as MLLib, Pandas, NumPy, SciPy, and more. These simple and efficient recipes will show you how to implement algorithms and optimize your work. Style and approach This book contains a comprehensive range of recipes designed to help you learn the fundamentals and tackle the difficulties of data science. This book outlines practical steps to produce powerful insights into Big Data through a recipe-based approach. Discover Android programming and web development by understanding the concepts of Kotlin Programming Key Features Practical solutions to your common programming problems with Kotlin 1.1 Leverage the functional power of Kotlin to ease your Android application development Learn to use Java code in conjunction with Kotlin Book Description The Android team has announced first-class support for Kotlin 1.1. This acts as an added boost to the language and more and more developers are now looking at Kotlin for their application development. This recipe-based book will be your guide to learning the Kotlin programming language. The recipes in this book build from simple language concepts to more complex applications of the language. After the fundamentals of the language, you will learn how to apply the object-oriented programming features of Kotlin 1.1. Programming with Lambdas will show you how to use the functional power of Kotlin. This book has recipes that will get you started with Android programming with Kotlin 1.1, providing quick solutions to common problems encountered during Android app development. You will also be taken through recipes that will teach you microservice and concurrent programming with Kotlin. Going forward, you will learn to test and secure your applications with Kotlin. Finally, this book supplies recipes that will help you migrate your Java code to Kotlin and will help ensure that it's interoperable with Java. What you will learn Understand the basics and object-oriented concepts of Kotlin Programming Explore the full potential of collection frameworks in Kotlin Work with SQLite databases in Android, make network calls, and fetch data over a network Use Kotlin's Anko library for efficient and quick Android development Uncover some of the best features of Kotlin: Lambdas and Delegates Set up web service development environments, write servlets, and build RESTful services with Kotlin Learn how to write unit tests, integration tests, and instrumentation/acceptance tests. Who this book is for This book will appeal to Kotlin developers keen to find solutions for their common programming problems. Java programming knowledge would be an added advantage. Discover practical solutions for a wide range of real-world network programming tasks About This Book Solve real-world tasks in the area of network programming, system/networking administration, network monitoring, and more. Familiarize yourself with the fundamentals and functionalities of SDN Improve your skills to become the next-gen network engineer by learning the various facets of Python programming Who This Book Is For This book is for network engineers, system/network administrators, network programmers, and even web

application developers who want to solve everyday network-related problems. If you are a novice, you will develop an understanding of the concepts as you progress with this book.

What You Will Learn

- Develop TCP/IP networking client/server applications
- Administer local machines' IPv4/IPv6 network interfaces
- Write multi-purpose efficient web clients for HTTP and HTTPS protocols
- Perform remote system administration tasks over Telnet and SSH connections
- Interact with popular websites via web services such as XML-RPC, SOAP, and REST APIs
- Monitor and analyze major common network security vulnerabilities
- Develop Software-Defined Networks with Ryu, OpenDaylight, Floodlight, ONOS, and POX Controllers
- Emulate simple and complex networks with Mininet and its extensions for network and systems emulations
- Learn to configure and build network systems and Virtual Network Functions (VNF) in heterogeneous deployment environments

Explore various Python modules to program the Internet In Detail Python Network Programming Cookbook - Second Edition highlights the major aspects of network programming in Python, starting from writing simple networking clients to developing and deploying complex Software-Defined Networking (SDN) and Network Functions Virtualization (NFV) systems. It creates the building blocks for many practical web and networking applications that rely on various networking protocols. It presents the power and beauty of Python to solve numerous real-world tasks in the area of network programming, network and system administration, network monitoring, and web-application development. In this edition, you will also be introduced to network modelling to build your own cloud network. You will learn about the concepts and fundamentals of SDN and then extend your network with Mininet. Next, you'll find recipes on Authentication, Authorization, and Accounting (AAA) and open and proprietary SDN approaches and frameworks. You will also learn to configure the Linux Foundation networking ecosystem and deploy and automate your networks with Python in the cloud and the Internet scale. By the end of this book, you will be able to analyze your network security vulnerabilities using advanced network packet capture and analysis techniques.

Style and approach This book follows a practical approach and covers major aspects of network programming in Python. It provides hands-on recipes combined with short and concise explanations on code snippets. This book will serve as a supplementary material to develop hands-on skills in any academic course on network programming. This book further elaborates network softwarization, including Software-Defined Networking (SDN), Network Functions Virtualization (NFV), and orchestration. We learn to configure and deploy enterprise network platforms, develop applications on top of them with Python. Solutions for modular, functional, reactive, GUI, network, and multithreaded programming

Key Features

- Explore the latest features of Java 11 to implement efficient and reliable code
- Develop memory-efficient applications, understanding new garbage collection in Java 11
- Create restful webservices and

microservices with Spring boot 2 and DockerBook Description For more than three decades, Java has been on the forefront of developing robust software that has helped versatile businesses meet their requirements. Being one of the most widely used programming languages in history, it's imperative for Java developers to discover effective ways of using it in order to take full advantage of the power of the latest Java features. Java 11 Cookbook offers a range of software development solutions with simple and straightforward Java 11 code examples to help you build a modern software system. Starting with the installation of Java, each recipe addresses various problem by explaining the solution and offering insights into how it works. You'll explore the new features added to Java 11 that will make your application modular, secure, and fast. The book contains recipes on functional programming, GUI programming, concurrent programming, and database programming in Java. You'll also be taken through the new features introduced in JDK 18.3 and 18.9. By the end of this book, you'll be equipped with the skills required to write robust, scalable, and optimal Java code effectively. What you will learnSet up JDK and understand what's new in the JDK 11 installationImplement object-oriented designs using classes and interfacesManage operating system processesCreate a modular application with clear dependenciesBuild graphical user interfaces using JavaFXUse the new HTTP Client APIExplore the new diagnostic features in Java 11Discover how to use the new JShell REPL toolWho this book is for The book is for intermediate-to-advanced Java programmers who want to make their applications fast, secure, and scalable. Gain an understanding of Maven's dependency management and use it to organize basic and multi-module Maven projects. This short book is your quick-start tutorial for learning to use Maven. It includes inconsistently immutable collections, better array construction, and more from the latest Maven version 3.6. This second edition covers the newest in today's most popular build tool for Java development and programming. You'll learn all about Maven and how to set it up. Firstly, you'll cover the Maven life cycle and how to effectively leverage it. Also, you'll see the basics of site plugins, generating Javadocs, test coverage/FindBugs reports, and version/release notes. Furthermore, you'll take advantage of Maven's archetypes to bootstrap new projects easily. Finally, you will learn how to integrate the Nexus repository manager with Maven release phases. What You Will Learn Set up your basic project in Maven Create more advanced projects Apply the Maven life cycle to your build Work with Maven archetypes and manage Maven releases Integrate with Jenkins, Eclipse, and other IDEs Carry out debugging and password encryption Who This Book Is For Those new to Maven or those who are familiar with Maven, but maybe not with the latest Maven 3.6 release. Over 100 practical recipes to help you become an expert Hadoop administrator About This Book Become an expert Hadoop administrator and perform tasks to optimize your Hadoop Cluster Import and export data into Hive and use Oozie to manage workflow.

Practical recipes will help you plan and secure your Hadoop cluster, and make it highly available

Who This Book Is For If you are a system administrator with a basic understanding of Hadoop and you want to get into Hadoop administration, this book is for you. It's also ideal if you are a Hadoop administrator who wants a quick reference guide to all the Hadoop administration-related tasks and solutions to commonly occurring problems

What You Will Learn Set up the Hadoop architecture to run a Hadoop cluster smoothly Maintain a Hadoop cluster on HDFS, YARN, and MapReduce Understand high availability with Zookeeper and Journal Node Configure Flume for data ingestion and Oozie to run various workflows Tune the Hadoop cluster for optimal performance Schedule jobs on a Hadoop cluster using the Fair and Capacity scheduler Secure your cluster and troubleshoot it for various common pain points

In Detail Hadoop enables the distributed storage and processing of large datasets across clusters of computers. Learning how to administer Hadoop is crucial to exploit its unique features. With this book, you will be able to overcome common problems encountered in Hadoop administration. The book begins with laying the foundation by showing you the steps needed to set up a Hadoop cluster and its various nodes. You will get a better understanding of how to maintain Hadoop cluster, especially on the HDFS layer and using YARN and MapReduce. Further on, you will explore durability and high availability of a Hadoop cluster. You'll get a better understanding of the schedulers in Hadoop and how to configure and use them for your tasks. You will also get hands-on experience with the backup and recovery options and the performance tuning aspects of Hadoop. Finally, you will get a better understanding of troubleshooting, diagnostics, and best practices in Hadoop administration. By the end of this book, you will have a proper understanding of working with Hadoop clusters and will also be able to secure, encrypt it, and configure auditing for your Hadoop clusters.

Style and approach This book contains short recipes that will help you run a Hadoop cluster efficiently. The recipes are solutions to real-life problems that administrators encounter while working with a Hadoop cluster

Part of Packt's cookbook series, this book is packed with easy to follow recipes containing step-by-step instructions. The book is designed in such a way that you can read it chapter by chapter, or refer to the tasks in no particular order. This book is for Drools developers who want to improve their current working methods and discover new features to apply to their projects. Readers are expected to be familiar with the basics of the Drools platform as well as Java. Over 70 recipes to help you use Apache Spark as your single big data computing platform and master its libraries

About This Book This book contains recipes on how to use Apache Spark as a unified compute engine Cover how to connect various source systems to Apache Spark Covers various parts of machine learning including supervised/unsupervised learning & recommendation engines

Who This Book Is For This book is for data engineers, data scientists, and those who want to

implement Spark for real-time data processing. Anyone who is using Spark (or is planning to) will benefit from this book. The book assumes you have a basic knowledge of Scala as a programming language.

What You Will Learn

- Install and configure Apache Spark with various cluster managers & on AWS
- Set up a development environment for Apache Spark including Databricks Cloud notebook
- Find out how to operate on data in Spark with schemas
- Get to grips with real-time streaming analytics using Spark Streaming & Structured Streaming
- Master supervised learning and unsupervised learning using MLlib
- Build a recommendation engine using MLlib
- Graph processing using GraphX and GraphFrames libraries
- Develop a set of common applications or project types, and solutions that solve complex big data problems

In Detail

While Apache Spark 1.x gained a lot of traction and adoption in the early years, Spark 2.x delivers notable improvements in the areas of API, schema awareness, Performance, Structured Streaming, and simplifying building blocks to build better, faster, smarter, and more accessible big data applications. This book uncovers all these features in the form of structured recipes to analyze and mature large and complex sets of data. Starting with installing and configuring Apache Spark with various cluster managers, you will learn to set up development environments. Further on, you will be introduced to working with RDDs, DataFrames and Datasets to operate on schema aware data, and real-time streaming with various sources such as Twitter Stream and Apache Kafka. You will also work through recipes on machine learning, including supervised learning, unsupervised learning & recommendation engines in Spark. Last but not least, the final few chapters delve deeper into the concepts of graph processing using GraphX, securing your implementations, cluster optimization, and troubleshooting.

Style and approach

This book is packed with intuitive recipes supported with line-by-line explanations to help you understand Spark 2.x's real-time processing capabilities and deploy scalable big data solutions. This is a valuable resource for data scientists and those working on large-scale data projects. Optimized for Kubernetes, Quarkus is designed to help you create Java applications that are cloud first, container native, and serverless capable. With this cookbook, authors Alex Soto Bueno and Jason Porter from Red Hat provide detailed solutions for installing, interacting with, and using Quarkus in the development and production of microservices. The recipes in this book show midlevel to senior developers familiar with Java enterprise application development how to get started with Quarkus quickly. You'll become familiar with how Quarkus works within the wider Java ecosystem and discover ways to adapt this framework to your particular needs. You'll learn how to:

- Shorten the development cycle by enabling live reloading in dev mode
- Connect to and communicate with Kafka
- Develop with the reactive programming model
- Easily add fault tolerance to your services
- Build your application as a Kubernetes-ready container
- Ease development with OpenAPI and test a native Quarkus application

This book is written in a Cookbook

style with short recipes showing developers how to effectively implement EIP without breaking everything in the process. It is concise and to the point, and it helps developers get their data flowing between different components without the need to read through page upon page of theory, while also enabling the reader to learn how to create exciting new projects. Camel Enterprise Integration Cookbook is intended for developers who have some familiarity with Apache Camel and who want a quick lookup reference to practical, proven tips on how to perform common tasks. Every recipe also includes a summary and reference pointers for more details that make it easy for you to get a deeper understanding of the Apache Camel capabilities that you will use day to day. From lambda expressions and JavaFX 8 to new support for network programming and mobile development, Java 8 brings a wealth of changes. This cookbook helps you get up to speed right away with hundreds of hands-on recipes across a broad range of Java topics. You'll learn useful techniques for everything from debugging and data structures to GUI development and functional programming. Each recipe includes self-contained code solutions that you can freely use, along with a discussion of how and why they work. If you are familiar with Java basics, this cookbook will bolster your knowledge of the language in general and Java 8's main APIs in particular. Recipes include: Methods for compiling, running, and debugging Manipulating, comparing, and rearranging text Regular expressions for string- and pattern-matching Handling numbers, dates, and times Structuring data with collections, arrays, and other types Object-oriented and functional programming techniques Directory and filesystem operations Working with graphics, audio, and video GUI development, including JavaFX and handlers Network programming on both client and server Database access, using JPA, Hibernate, and JDBC Processing JSON and XML for data storage Multithreading and concurrency This is a focused guide with lots of practical recipes with presentations of business issues and presentation of the whole test of the system. This book shows the use of Mockito's popular unit testing frameworks such as JUnit, PowerMock, TestNG, and so on. If you are a software developer with no testing experience (especially with Mockito) and you want to start using Mockito in the most efficient way then this book is for you. This book assumes that you have a good knowledge level and understanding of Java-based unit testing frameworks. This is a cookbook full of recipes with the essential code explained clearly and comprehensively. Each chapter is neatly compartmentalized with focused recipes which are perfectly organized for easy reference and understanding. This book is for Java/J2EE developers. As the books covers a variety of topics in Web-Service development, it will serve as a reference guide to those already familiar with Web-Services. Beginners can also use this book to gain real-world experience of Web-Service development. Learn how to use the Akka framework to build effective applications in Scala About This Book Covers a discussion on Lagom—the newest launched Akka framework that

is built to create complex microservices easily The recipe approach of the book allows the reader to know important and independent concepts of Scala and Akka in a seamless manner Provides a comprehensive understanding of the Akka actor model and implementing it to create reactive web applications Who This Book Is For If you are a Scala developer who wants to build scalable and concurrent applications, then this book is for you. Basic knowledge of Akka will help you take advantage of this book. What You Will Learn Control an actor using the ContolAware mailbox Test a fault-tolerant application using the Akka test kit Create a parallel application using futures and agents Package and deploy Akka application inside Docker Deploy remote actors programmatically on different nodes Integrate Streams with Akka actors Install Lagom and create a Lagom project In Detail Akka is an open source toolkit that simplifies the construction of distributed and concurrent applications on the JVM. This book will teach you how to develop reactive applications in Scala using the Akka framework. This book will show you how to build concurrent, scalable, and reactive applications in Akka. You will see how to create high performance applications, extend applications, build microservices with Lagom, and more. We will explore Akka's actor model and show you how to incorporate concurrency into your applications. The book puts a special emphasis on performance improvement and how to make an application available for users. We also make a special mention of message routing and construction. By the end of this book, you will be able to create a high-performing Scala application using the Akka framework. Style and approach This highly practical recipe-based approach will allow you to build scalable, robust, and reactive applications using the Akka framework. With the increasing demand for distributed systems for Java applications, WildFly offers a robust platform on which to deploy and manage your services. As a matter of fact, WildFly 9 is a fully certified Java EE 7 platform and provides remote management tools, such as the redesigned Admin Console and the new and powerful Command Line Interface (CLI). With practical and accessible material, you will begin by learning to set up your WildFly runtime environment, and progress to selecting appropriate operational models, managing subsystems, and conquering the CLI. You will then walk through the different balancing and clustering techniques, simultaneously learning about role-based access control and then developing applications targeting WildFly and Docker. Practical Apache Struts 2 Web 2.0 Projects is nothing less than one of the first books to cover the agile, lightweight open source Apache Struts 2 Web Framework, an essentially new and improved Struts platform that should meet today's more agile Java development needs. Apache Struts remains the most popular framework for building Java-driven web sites, despite continued challenges from competitive frameworks and APIs like JavaServer Faces (JSF), Wicket, Grails, and more. The new features incorporated into Struts 2 will help this powerful framework to maintain its top-ranking position for the

foreseeable future. This book follows a Cookbook style and is packed with intermediate and advanced level recipes. This book is for Java developers who have an interest in discovering new ways to quickly get the job done using a new language that shares many similarities with Java. The book's recipes start simple, therefore no previous Groovy experience is required to understand the code and the explanations accompanying the examples. Perform fast interactive analytics against different data sources using the Presto high-performance, distributed SQL query engine. With this practical guide, you'll learn how to conduct analytics on data where it lives, whether it's Hive, Cassandra, a relational database, or a proprietary data store. Analysts, software engineers, and production engineers will learn how to manage, use, and even develop with Presto. Initially developed by Facebook, open source Presto is now used by Netflix, Airbnb, LinkedIn, Twitter, Uber, and many other companies. Matt Fuller, Manfred Moser, and Martin Traverso show you how a single Presto query can combine data from multiple sources to allow for analytics across your entire organization. Get started: Explore Presto's use cases and learn about tools that will help you connect to Presto and query data Go deeper: Learn Presto's internal workings, including how to connect to and query data sources with support for SQL statements, operators, functions, and more Put Presto in production: Secure Presto, monitor workloads, tune queries, and connect more applications; learn how other organizations apply Presto Over 30 hands-on recipes that will get you up and running with Amazon Simple Storage Service (S3) efficiently About This Book Learn how to store, manage, and access your data with AWS SDKs Study the Amazon S3 pricing model and learn how to calculate costs by simulating practical scenarios Optimize your Amazon S3 bucket by following step-by-step instructions of how to deliver your content with CloudFront, secure the S3 bucket with IAM, and lower costs with object life cycle management Who This Book Is For This book is for cloud developers who have experience of using Amazon S3 and are also familiar with Amazon S3. What You Will Learn Host a static website on Amazon S3 Calculate costs with AWS Simple Monthly Calculators Deploy a static website via CloudFormation Distribute your content via CloudFront Secure resources with bucket policies and IAM Protect objects using server-side and client-side encryption Enable Cross-Origin Resource Sharing Manage objects' life cycles to lower costs Optimize performance for uploading as well as downloading objects Enable S3 event notifications and create Lambda functions Manage common operations with AWS SDKs In Detail Amazon S3 is one of the most famous and trailblazing cloud object storage services, which is highly scalable, low-latency, and economical. Users only pay for what they use and can store and retrieve any amount of data at any time over the Internet, which attracts Hadoop users who run clusters on EC2. The book starts by showing you how to install several AWS SDKs such as iOS, Java, Node.js, PHP, Python, and Ruby

and shows you how to manage objects. Then, you'll be taught how to use the installed AWS SDKs to develop applications with Amazon S3. Furthermore, you will explore the Amazon S3 pricing model and will learn how to annotate S3 billing with cost allocation tagging. In addition to this, the book covers several practical recipes about how to distribute your content with CloudFront, secure your content with IAM, optimize Amazon S3 performance, and notify S3 events with Lambda. By the end of this book, you will be successfully implementing pro-level practices, techniques, and solutions in Amazon S3.

Style and approach A step-by-step practical guide that will show you how to efficiently store, manage, and control your data in Amazon S3. Over 50 recipes on the core features of Apache Mesos and running big data frameworks in Mesos

About This Book Learn to install and configure Mesos to suit the needs of your organization Follow step-by-step instructions to deploy application frameworks on top of Mesos, saving you many hours of research and trial and error Use this practical guide packed with powerful recipes to implement Mesos and easily integrate it with other application frameworks

Who This Book Is For This book is for system administrators, engineers, and big data programmers. Basic experience with big data technologies such as Hadoop or Spark would be useful but is not essential. A working knowledge of Apache Mesos is expected.

What You Will Learn Set up Mesos on different operating systems Use the Marathon and Chronos frameworks to manage multiple applications Work with Mesos and Docker Integrate Mesos with Spark and other big data frameworks Use networking features in Mesos for effective communication between containers Configure Mesos for high availability using Zookeeper Secure your Mesos clusters with SASL and Authorization ACLs Solve everyday problems and discover the best practices

In Detail Apache Mesos is open source cluster sharing and management software. Deploying and managing scalable applications in large-scale clustered environments can be difficult, but Apache Mesos makes it easier with efficient resource isolation and sharing across application frameworks. The goal of this book is to guide you through the practical implementation of the Mesos core along with a number of Mesos supported frameworks. You will begin by installing Mesos and then learn how to configure clusters and maintain them. You will also see how to deploy a cluster in a production environment with high availability using Zookeeper. Next, you will get to grips with using Mesos, Marathon, and Docker to build and deploy a PaaS. You will see how to schedule jobs with Chronos. We'll demonstrate how to integrate Mesos with big data frameworks such as Spark, Hadoop, and Storm. Practical solutions backed with clear examples will also show you how to deploy elastic big data jobs. You will find out how to deploy a scalable continuous integration and delivery system on Mesos with Jenkins. Finally, you will configure and deploy a highly scalable distributed search engine with Elasticsearch. Throughout the course of this book, you will get to know tips and tricks along with best practices to follow when working

with Mesos. Style and approach This step-by-step guide is packed with powerful recipes on using Apache Mesos and shows its integration with containers and big data frameworks. Unleash the power of the latest Spring MVC 4.x to develop a complete application About This Book Work through carefully crafted exercises with detailed explanations for each step will help you understand the concepts with ease You will gain a clear understanding of the end-to-end request/response life cycle, and each logical component's responsibility This book is packed with tips and tricks that demonstrate industry best practices on developing a Spring-MVC-based application Who This Book Is For The book is for Java developers who want to exploit Spring MVC and its features to build web applications. Some familiarity with basic servlet programming concepts would be a plus, but is not a prerequisite. What You Will Learn Familiarize yourself with the anatomy of the Spring 4.X development environment Understand web application architecture and the Spring MVC request flow Integrate bean validation and custom validation Use error handling and exception resolving Get to grips with REST-based web service development and Ajax Test your web application In Detail Spring MVC helps you build flexible and loosely coupled web applications. The Spring MVC Framework is architected and designed in such a way that every piece of logic and functionality is highly configurable. Also, Spring can integrate effortlessly with other popular web frameworks such as Struts, WebWork, Java Server Faces, and Tapestry. The book progressively teaches you to configure the Spring development environment, architecture, controllers, libraries, and more before moving on to developing a full web application. It begins with an introduction to the Spring development environment and architecture so you're familiar with the know-hows. From here, we move on to controllers, views, validations, Spring Tag libraries, and more. Finally, we integrate it all together to develop a web application. You'll also get to grips with testing applications for reliability. Style and approach This book takes a pragmatic step-by-step approach to web application development using Spring MVC, with informative screenshots and concise explanation. If you want to make cross-platform games without the hassle and dangers of writing platform-specific code, or If you are a game programmer who may have some experience with Java and you want to learn everything you need to know about Libgdx to produce awesome work, this is the book for you. To take full advantage of the recipes in this book, you are expected to be familiar with java with good game programming knowledge. Over 100 hands-on recipes to build web applications easily and efficiently IN Spring 5.0 About This Book Solve real-world problems using the latest features of the Spring framework like Reactive Streams and the Functional Web Framework. Learn how to use dependency injection and aspect-oriented programming to write compartmentalized and testable code. Understand when to choose between Spring MVC and Spring Web Reactive for your projects Who This Book Is For Java developers who would like to gain in-depth

knowledge of how to overcome problems that they face while developing great Spring applications. It will also cater to Spring enthusiasts, users and experts who need an arena for comparative analysis, new ideas and inquiries on some details regarding Spring 5.0 and its previous releases. A basic knowledge of Spring development is essential

What You Will Learn

- Understand how functional programming and concurrency in JDK 1.9 works, and how it will affect Spring 5.0
- Learn the importance and application of reactive programming in creating services, and also the process of creating asynchronous MVC applications
- Implement different Spring Data modules
- Integrate Spring Security to the container
- Create applications and deploy using Spring Boot
- Conceptualize the architecture behind Microservices and learn the details of its implementation
- Create different test cases for the components of Spring 5.0 components

In Detail

The Spring framework has been the go-to framework for Java developers for quite some time. It enhances modularity, provides more readable code, and enables the developer to focus on developing the application while the underlying framework takes care of transaction APIs, remote APIs, JMX APIs, and JMS APIs. The upcoming version of the Spring Framework has a lot to offer, above and beyond the platform upgrade to Java 9, and this book will show you all you need to know to overcome common to advanced problems you might face. Each recipe will showcase some old and new issues and solutions, right from configuring Spring 5.0 container to testing its components. Most importantly, the book will highlight concurrent processes, asynchronous MVC and reactive programming using Reactor Core APIs. Aside from the core components, this book will also include integration of third-party technologies that are mostly needed in building enterprise applications. By the end of the book, the reader will not only be well versed with the essential concepts of Spring, but will also have mastered its latest features in a solution-oriented manner.

Style and Approach

This book follows a cookbook style approach, presenting a problem and showing you how to overcome it with useful recipes. The examples provided will help you code along as you learn. Combine the power of Apache Spark and Python to build effective big data applications

Key Features

- Perform effective data processing, machine learning, and analytics using PySpark
- Overcome challenges in developing and deploying Spark solutions using Python
- Explore recipes for efficiently combining Python and Apache Spark to process data

Book Description

Apache Spark is an open source framework for efficient cluster computing with a strong interface for data parallelism and fault tolerance. The PySpark Cookbook presents effective and time-saving recipes for leveraging the power of Python and putting it to use in the Spark ecosystem. You'll start by learning the Apache Spark architecture and how to set up a Python environment for Spark. You'll then get familiar with the modules available in PySpark and start using them effortlessly. In addition to this, you'll discover how to abstract data with RDDs and DataFrames, and understand the streaming capabilities of PySpark. You'll then

move on to using ML and MLlib in order to solve any problems related to the machine learning capabilities of PySpark and use GraphFrames to solve graph-processing problems. Finally, you will explore how to deploy your applications to the cloud using the spark-submit command. By the end of this book, you will be able to use the Python API for Apache Spark to solve any problems associated with building data-intensive applications. What you will learn

- Configure a local instance of PySpark in a virtual environment
- Install and configure Jupyter in local and multi-node environments
- Create DataFrames from JSON and a dictionary using pyspark.sql
- Explore regression and clustering models available in the ML module
- Use DataFrames to transform data used for modeling
- Connect to PubNub and perform aggregations on streams

Who this book is for

The PySpark Cookbook is for you if you are a Python developer looking for hands-on recipes for using the Apache Spark 2.x ecosystem in the best possible way. A thorough understanding of Python (and some familiarity with Spark) will help you get the best out of the book.

Java SOA Cookbook offers practical solutions and advice to programmers charged with implementing a service-oriented architecture (SOA) in their organization. Instead of providing another conceptual, high-level view of SOA, this cookbook shows you how to make SOA work. It's full of Java and XML code you can insert directly into your applications and recipes you can apply right away. The book focuses primarily on the use of free and open source Java Web Services technologies -- including Java SE 6 and Java EE 5 tools -- but you'll find tips for using commercially available tools as well.

Java SOA Cookbook will help you:

- Construct XML vocabularies and data models appropriate to SOA applications
- Build real-world web services using the latest Java standards, including JAX-WS 2.1 and JAX-RS 1.0 for RESTful web services
- Integrate applications from popular service providers using SOAP, POX, and Atom
- Create service orchestrations with complete coverage of the WS-BPEL (Business Process Execution Language) 2.0 standard
- Improve the reliability of SOAP-based services with specifications such as WS-Reliable Messaging
- Deal with governance, interoperability, and quality-of-service issues

The recipes in Java SOA Cookbook will equip you with the knowledge you need to approach SOA as an integration challenge, not an obstacle. For too long, developers have worked on disorganized application projects, where every part seemed to have its own build system, and no common repository existed for information about the state of the project. Now there's help. The long-awaited official documentation to Maven is here. Written by Maven creator Jason Van Zyl and his team at Sonatype, *Maven: The Definitive Guide* clearly explains how this tool can bring order to your software development projects. Maven is largely replacing Ant as the build tool of choice for large open source Java projects because, unlike Ant, Maven is also a project management tool that can run reports, generate a project website, and facilitate communication among members of a working team. To use Maven, everything you need to

know is in this guide. The first part demonstrates the tool's capabilities through the development, from ideation to deployment, of several sample applications -- a simple software development project, a simple web application, a multi-module project, and a multi-module enterprise project. The second part offers a complete reference guide that includes: The POM and Project Relationships The Build Lifecycle Plugins Project website generation Advanced site generation Reporting Properties Build Profiles The Maven Repository Team Collaboration Writing Plugins IDEs such as Eclipse, IntelliJ, and NetBeans Using and creating assemblies Developing with Maven Archetypes Several sources for Maven have appeared online for some time, but nothing served as an introduction and comprehensive reference guide to this tool -- until now. Maven: The Definitive Guide is the ideal book to help you manage development projects for software, web applications, and enterprise applications. And it comes straight from the source. Jakarta Tomcat is not only the most commonly used open source servlet engine today, it's become the de facto standard by which other servlet engines are measured. Powerful and flexible, it can be used as a stand-alone web server or in conjunction with another server, like Apache or IIS, to run servlets or JSPs. But mastery of Tomcat is not easy: because it's as complex as it is complete. Tomcat: The Definitive Guide answers vexing questions that users, administrators, and developers alike have been asking. This concise guide provides much needed information to help harness Tomcat's power and wealth of features. Tomcat: The Definitive Guide offers something for everyone who uses Tomcat. System and network administrators will find detailed instructions on installation, configuration, and maintenance. For users, it supplies insightful information on how to deploy Tomcat. And seasoned enterprise Java developers will have a complete reference to setting up, running, and using this powerful software. The book begins with an introduction to the Tomcat server and includes an overview of the three types of server configurations: stand-alone, in-process, and out-of-process. The authors show how directories are laid out, cover the initial setup, and describe how to set the environment variables and modify the configuration files, concluding with common errors, problems, and solutions. In subsequent chapters, they cover: The server.xml configuration file Java Security manager Authentication schemes and Tomcat users The Secure Socket Layer (SSL) Tomcat JDBC Realms Installing servlets and Java Server Pages Integrating Tomcat with Apache Advanced Tomcat configuration and much more. Tomcat: The Definitive Guide covers all major platforms, including Windows, Solaris, Linux, and Mac OS X, contains details on Tomcat configuration files, and has a quick-start guide to get developers up and running with Java servlets and JavaServer Pages. If you've struggled with this powerful yet demanding technology in the past, this book will provide the answers you need. This book is intended for developers who have some familiarity with Apache Karaf and who want a quick reference for practical, proven tips on how

to perform common tasks such as configuring Pax modules deployed in Apache Karaf, Extending HttpService with Apache Karaf. You should have working knowledge of Apache karaf, as the book provides a deeper understanding of the capabilities of Apache Karaf.

- [Apache Maven Cookbook](#)
- [Apache Maven Cookbook](#)
- [Apache Maven 3 Cookbook](#)
- [Apache Camel Developers Cookbook](#)
- [Maven The Definitive Guide](#)
- [Introducing Maven](#)
- [Java Cookbook](#)
- [Apache Sqoop Cookbook](#)
- [Groovy 2 Cookbook](#)
- [Tomcat The Definitive Guide](#)
- [Apache Karaf Cookbook](#)
- [Mockito Cookbook](#)
- [Apache Mesos Cookbook](#)
- [Amazon S3 Cookbook](#)
- [Apache Spark For Data Science Cookbook](#)
- [Quarkus Cookbook](#)
- [Java Deep Learning Cookbook](#)
- [Spring Roo 11 Cookbook](#)
- [Akka Cookbook](#)
- [WildFly Cookbook](#)
- [Knative Cookbook](#)
- [Drools Developers Cookbook](#)

- [JMeter Cookbook](#)
- [Apache Spark 2x Cookbook](#)
- [Azure Databricks Cookbook](#)
- [Hadoop 2x Administration Cookbook](#)
- [Java SOA Cookbook](#)
- [Scala Cookbook](#)
- [Libgdx Cross platform Game Development Cookbook](#)
- [PySpark Cookbook](#)
- [Java 11 Cookbook](#)
- [Practical Apache Struts 2 Web 20 Projects](#)
- [Python Network Programming Cookbook](#)
- [Presto The Definitive Guide](#)
- [Spring Web Services Cookbook](#)
- [CMIS And Apache Chemistry In Action](#)
- [60 Recipes For Apache CloudStack](#)
- [Spring 50 Cookbook](#)
- [Spring MVC Beginners Guide](#)
- [Kotlin Programming Cookbook](#)