Quick answers to common problems

MongoDB Cookbook

Over 80 practical recipes to design, deploy, and administer MongoDB

Amol Nayak

Mongodb Cookbook Nayak Amol

Mithun Satheesh,Bruno Joseph D'mello,Jason Krol

Mongodb Cookbook Nayak Amol:

 MongoDB Cookbook Cyrus Dasadia,Amol Nayak,2016-01-13 Harness the latest features of MongoDB 3 with this collection of 80 recipes from managing cloud platforms to app development this book is a vital resource About This Book Get to grips with the latest features of MongoDB 3 Interact with the MongoDB server and perform a wide range of query operations from the shell From administration to automation this cookbook keeps you up to date with the world s leading NoSQL database Who This Book Is For This book is engineered for anyone who is interested in managing data in an easy and efficient way using MongoDB You do not need any prior knowledge of MongoDB but it would be helpful if you have some programming experience in either Java or Python What You Will Learn Install configure and administer MongoDB sharded clusters and replica sets Begin writing applications using MongoDB in Java and Python languages Initialize the server in three different modes with various configurations Perform cloud deployment and introduce PaaS for Mongo Discover frameworks and products built to improve developer productivity using Mongo Take an in depth look at the Mongo programming driver APIs in Java and Python Set up enterprise class monitoring and backups of MongoDB In Detail MongoDB is a high performance and feature rich NoSQL database that forms the backbone of the systems that power many different organizations it s easy to see why it s the most popular NoSQL database on the market Packed with many features that have become essential for many different types of software professionals and incredibly easy to use this cookbook contains many solutions to the everyday challenges of MongoDB as well as guidance on effective techniques to extend your skills and capabilities This book starts with how to initialize the server in three different modes with various configurations You will then be introduced to programming language drivers in both Java and Python A new feature in MongoDB 3 is that you can connect to a single node using Python set to make MongoDB even more popular with anyone working with Python You will then learn a range of further topics including advanced query operations monitoring and backup using MMS as well as some very useful administration recipes including SCRAM SHA 1 Authentication Beyond that you will also find recipes on cloud deployment including guidance on how to work with Docker containers alongside MongoDB integrating the database with Hadoop and tips for improving developer productivity Created as both an accessible tutorial and an easy to use resource on hand whenever you need to solve a problem MongoDB Cookbook will help you handle everything from administration to automation with MongoDB more effectively than ever before Style and approach Every recipe is explained in a very simple set by step manner yet is extremely comprehensive   Mongodb Cookbook Amol Nayak,2014-11-28 If you want a reference to show you practical solutions or just want to satisfy your need for more knowledge of this fantastic NoSQL database then this book is ideal for you To get the most out of this book you should know the basics of MongoDB   Mongodb Cookbook Cyrus Dasadia,2016-01-13 Harness the latest features of MongoDB 3 with this collection of 80 recipes from managing cloud platforms to app development this book is a vital resourceAbout This Book Get to grips with the latest features of MongoDB 3

Interact with the MongoDB server and perform a wide range of query operations from the shell From administration to automation this cookbook keeps you up to date with the world s leading NoSQL databaseWho This Book Is ForThis book is engineered for anyone who is interested in managing data in an easy and efficient way using MongoDB You do not need any prior knowledge of MongoDB but it would be helpful if you have some programming experience in either Java or Python What You Will Learn Install configure and administer MongoDB sharded clusters and replica sets Begin writing applications using MongoDB in Java and Python languages Initialize the server in three different modes with various configurations Perform cloud deployment and introduce PaaS for Mongo Discover frameworks and products built to improve developer productivity using Mongo Take an in depth look at the Mongo programming driver APIs in Java and Python Set up enterprise class monitoring and backups of MongoDBIn DetailMongoDB is a high performance and feature rich NoSQL database that forms the backbone of the systems that power many different organizations it s easy to see why it s the most popular NoSQL database on the market Packed with many features that have become essential for many different types of software professionals and incredibly easy to use this cookbook contains many solutions to the everyday challenges of MongoDB as well as guidance on effective techniques to extend your skills and capabilities This book starts with how to initialize the server in three different modes with various configurations You will then be introduced to programming language drivers in both Java and Python A new feature in MongoDB 3 is that you can connect to a single node using Python set to make MongoDB even more popular with anyone working with Python You will then learn a range of further topics including advanced query operations monitoring and backup using MMS as well as some very useful administration recipes including SCRAM SHA 1 Authentication Beyond that you will also find recipes on cloud deployment including guidance on how to work with Docker containers alongside MongoDB integrating the database with Hadoop and tips for improving developer productivity Created as both an accessible tutorial and an easy to use resource on hand whenever you need to solve a problem MongoDB Cookbook will help you handle everything from administration to automation with MongoDB more effectively than ever before Style and approachEvery recipe is explained in a very simple set by step manner yet is extremely comprehensive   *Instant MongoDB* Amol Nayak,2013-01-01 Get to grips with a new technology understand what it is and what it can do for you and then get to work with the most important features and tasks MongoDB Starter is a fast and practical guide designed to help you start developing high performance and scalable applications using MongoDB MongoDB Starter is ideal for developers who are new to MongoDB and who need a no nonsense guide on how to start working with it No knowledge of MongoDB is required to follow this book but some knowledge of C would be helpful   **JavaScript JSON Cookbook** Ray Rischpater,2015-06-25 JSON JavaScript Object Notation is a lightweight text based data interchange format used to create objects to transfer data over the Internet It s widely used today by common web applications as well as mobile applications This book gives you clear ways that you can exchange objects using JSON regardless of whether you re

developing a web or traditional networked application You ll start with a brief refresher on JSON and JavaScript syntax and read and write on the client and server Then you ll learn how to use JSON in simple AJAX applications using AngularJS and jQuery Next you will learn how to exchange objects with databases using MongoDB and CouchDB You ll also explore how to use JSON in a type safe manner writing programs that have fewer bugs **Pentaho Analytics for MongoDB Cookbook** Joel Latino,Harris Ward,2015-12-29 Over 50 recipes to learn how to use Pentaho Analytics and MongoDB to create powerful analysis and reporting solutions About This Book Create reports and stunning dashboards with MongoDB data Accelerate data access and maximize productivity with unique features of Pentaho for MongoDB A step by step recipe based guide for making full use of Pentaho suite tools with MongoDB Who This Book Is For This book is intended for data architects and developers with a basic level of knowledge of MongoDB Familiarity with Pentaho is not expected What You Will Learn Extract load and transform data from MongoDB collections to other datasources Design Pentaho Reports using different types of connections for MongoDB Create a OLAP mondrian schema for MongoDB Explore your MongoDB data using Pentaho Analyzer Utilize the drag and drop web interface to create dashboards Use Kettle Thin JDBC with MongoDB for analysis Integrate advanced dashboards with MondoDB using different types of connections Publish and run a report on Pentaho BI server using a web interface In Detail MongoDB is an open source schemaless NoSQL database system Pentaho as a famous open source Analysis tool provides high performance high availability and easy scalability for large sets of data The variant features in Pentaho for MongoDB are designed to empower organizations to be more agile and scalable and also enables applications to have better flexibility faster performance and lower costs Whether you are brand new to online learning or a seasoned expert this book will provide you with the skills you need to create turnkey analytic solutions that deliver insight and drive value for your organization The book will begin by taking you through Pentaho Data Integration and how it works with MongoDB You will then be taken through the Kettle Thin JDBC Driver for enabling a Java application to interact with a database This will be followed by exploration of a MongoDB collection using Pentaho Instant view and creating reports with MongoDB as a datasource using Pentaho Report Designer The book will then teach you how to explore and visualize your data in Pentaho BI Server using Pentaho Analyzer You will then learn how to create advanced dashboards with your data The book concludes by highlighting contributions of the Pentaho Community Style and approach A comprehensive recipe based guide to take complete advantage of the Pentaho Analytics for MongoDB *Web Development with MongoDB and NodeJS* Mithun Satheesh,Bruno Joseph D'mello,Jason Krol,2015-10-30 Build an interactive and full featured web application from scratch using Node js and MongoDB About This Book Configure your development environment to use Node js and MongoDB Use Node js to connect to a MongoDB database and perform data manipulations A practical guide with clear instructions to design and develop a complete web application from start to finish Who This Book Is For This book is designed for JavaScript developers of any skill level that want to get up and running using Node js and MongoDB to build full featured web

applications A basic understanding of JavaScript and HTML is the only requirement for this book What You Will Learn Configure your development environment to use Node js and MongoDB Write and configure a web server using Node js powered by the Express js framework Build dynamic HTML pages using the Handlebars template engine Persist application data using MongoDB and Mongoose ODM Test your code using automated testing tools such as the Mocha framework Deploy the development environment to the cloud using services such as Heroku Amazon Web Services and Microsoft Azure Explore Single Page application frameworks to take your web applications to the next level In Detail Node js and MongoDB are quickly becoming one of the most popular tech stacks for the web Powered by Google s V8 engine Node js caters to easily building fast scalable network applications while MongoDB is the perfect fit as a scalable high performance open source NoSQL database solution Using these two technologies together web applications can be built quickly and easily and deployed to the cloud with very little difficulty The book will begin by introducing you to the groundwork needed to set up the development environment Here you will quickly run through the steps necessary to get the main application server up and running Then you will see how to use Node js to connect to a MongoDB database and perform data manipulations From here on the book will take you through integration with third party tools for interaction with web apps It then moves on to show you how to use controllers and view models to generate reusable code that will reduce development time Toward the end of the book we will cover tests to properly execute the code and some popular frameworks for developing web applications By the end of the book you will have a running web application developed with MongoDB and Node js along with it s popular frameworks Style and approach An easy guide to Node js and MongoDB which will quickly introduce you to the relevant concepts by taking you through the different steps involved in building a full fledged web application **D Web Development** Kai Nacke,2016-01-30 Leverage the power of D and the vibe d framework to develop web applications that are incredibly fast About This Book Utilize the elegant vibe d framework to build web applications easily and REST backends with the D programming language Learn about all components of vibe d to enhance your web development with D A hands on guide to the vibe d framework from static web pages to template based interactive and localized web applications with database access and REST backends Who This Book Is For Whether you are new to the world of D or already have developed applications in D or if you want to leverage the power of D for web development then this book is ideal for you Basic knowledge of core web technologies like HTML 5 is helpful but not required This book explains the difficult details to speed your web development What You Will Learn Create amazingly fast web applications with D Use Diet templates to easily create a web user interface Utilize the web framework for interactive applications with input validation and internationalization Access a database to provide persistent storage for your application Extend your application with a REST interface and access other applications via REST Understand vibe d s fiber based approach to asynchronous I O and use it for integration of existing components Create GUI applications with vibe d In Detail D is a programming language with C like

syntax and static typing The vibe d framework builds on powerful D concepts like template meta programming and compile time function execution to provide an easy to use environment for web applications The combination of a feature rich web programming framework with a language compiling to native code solves two common issues in web development today it accelerates your development and it results in fast native web applications Learning the vibe d framework before you start your application will help you to choose the right features to reach your goal This book guides you through all aspects of web development with D and the vibe d framework Covering the popular operating systems today this guide starts with the setup of your development system From the first Hello World style application you will move on to building static web pages with templates The concise treatment of web forms will give you all the details about form handling and web security Using the abstractions of the web framework you will learn how to easily validate user input Next you will add database access to your application providing persistent storage for your data Building on this foundation you will expose your component and integrate other components via REST Learning about the internals of vibe d you will be able to use low level techniques such as raw TCP access The vibe d concepts can also be used for GUI clients which is the next topic that you will learn vibe d is supported by an active community which adds new functionality This comprehensive guide concludes with an overview of the most useful vibe d extensions and where to find them It also shows you how to integrate these extensions in your application The concepts are always illustrated with source code giving you an insight into how to apply them in your application Style and approach A tutorial style guide to develop web applications with D and the vibe d framework Each topic is explained in detail and illustrated with source code providing you with hands on assistance for your application

Whispering the Secrets of Language: An Emotional Journey through **Mongodb Cookbook Nayak Amol**

In a digitally-driven world wherever displays reign great and instant communication drowns out the subtleties of language, the profound strategies and emotional subtleties hidden within words frequently go unheard. However, set within the pages of **Mongodb Cookbook Nayak Amol** a charming fictional treasure pulsing with natural feelings, lies a fantastic quest waiting to be undertaken. Composed by a talented wordsmith, this wonderful opus encourages viewers on an introspective journey, softly unraveling the veiled truths and profound affect resonating within the very cloth of every word. Within the emotional depths with this poignant review, we can embark upon a heartfelt exploration of the book is key styles, dissect their fascinating writing fashion, and succumb to the powerful resonance it evokes strong within the recesses of readers hearts.

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