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Chapter 1 : MongoDB Basics - pdf - Free IT eBooks Download | Ampower

MongoDB Cookbook, 2nd Edition 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.

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Chapter 2 : Practical MongoDB - PDF eBook Free Download

Application developers love MongoDB, a document-oriented NoSQL database, for its speed, flexibility, scalability, and ease of use. MongoDB is well-suited as a back-end for modern web applications.

This database is available free of cost under the General Public Licenses. MongoDB has gained popularity because of its simplicity and effectiveness in handling document based data. It is often called as a document store with no joins or transactions in the system. Important features of MongoDB MongoDB allows every single field to index successfully and you can add secondary index comfortably. MongoDB offers load-balancing feature with the concept of sharding. You can choose a shard key shard key determines how data is distributed and distribute your data among multiple shards. You can run it on multiple databases and balance the load as per your requirement. MongoDB can be effectively used for file storing with other features such as data replication and load balancing. If you are planning to use it on web applications and website, here are some excellent books to get started on MongoDB. MongoDB in Action By: Kyle Banker If you are a web developer with a basic knowledge of Ruby and Javascript, this is the right book for you. This book starts with the basic understanding of MongoDB and explains its differentiating factors over other relational databases. You can get an idea of its features and best applications to use it. The book will explain installing the database and using it with Ruby driver. There are some examples to write simple web applications as well. In the following sections, you will learn to use it with document-oriented data models and efficient programming practices. The Definitive Guide By: Kristina Chodorow This book takes you from the basic introduction of MongoDB to advanced programming concepts. It covers all the major notions including schema design, replication, server administration and sharding. The book uses easy to understand examples for a better understanding of the concepts. It suits the requirement of any web developer who is trying to get started with MongoDB. However, this book is not suitable for all the drivers used for different languages in MongoDB. You can learn to use MongoDB clusters for storing huge amount of data in your web applications. It is purposed for document-oriented database models and web applications. The book starts with basic concepts of MongoDB including sharding, clustering, replication and load balancing. The book offers content that allows running a test cluster project within an hour, provided you have some knowledge of web development. This book is sufficient to understand the concepts of MongoDB and design the architecture of your web application efficiently. Kristina Chodorow Most of the web developers find it easy to start with MongoDB until they run into complex architectural issues such as best techniques to handle replica failure. This book is designed for web developers who are trying to make it to the next level of MongoDB development. It offers tips like data duplication for better speed and tips to reference data effectively to maintain the integrity of documents. It is indeed a complete guide offering tips for smart usage of MongoDB for document-based storage systems. If you are planning to get into efficient web development, this is undoubtedly the best book in the market. Rick Copeland MongoDB was designed to solve business problems, which were not effectively answered in other relational databases. This book is designed to use MongoDB effectively for a web application or an enterprise-level application. It is best for major projects such as ecommerce, operational intelligence, social networking apps, content management and online gaming applications. The main idea behind this book is to help web developers in using MongoDB effectively and optimize the performance of an application with this database. You can get to the point explanations and examples in this book. It can help building faster, efficient and simpler applications with all the features of applications prepared on other databases. The plus point with MongoDB is its document handling capability and custom features for commercial development. If you are planning to start with complex web applications with MongoDB, these books offer the right guidance to start your development career.

Chapter 3 : 5 Best MongoDB Books For NoSQL Developers | FromDev

MongoDB, a cross-platform NoSQL database, is the fastest-growing new database in the world. MongoDB provides a rich document-oriented structure with dynamic queries that you'll recognize from RDBMS offerings such as MySQL.

It can solve problems that are considered difficult, if not impossible, for aging RDBMS technologies. You will start by getting a MongoDB installation up and running in a safe and secure manner. You will learn how to perform mission-critical create, read, update, and delete operations, and set up database security. You will also learn about advanced features of MongoDB such as the aggregation pipeline, replication, and sharding. The examples incorporate new features available in MongoDB version 4 where appropriate. Full-Stack Web Development with Vue. Starting with the core frameworks, this example-based guide explains all the key concepts of frameworks, how to set them up properly, and how to use popular modules to connect them together and make them work cohesively. You will learn all this with the help of real-world examples. In addition to this, you will be able to scaffold web application architecture, add an authentication layer, and develop the MVC structure to support the development of your application. Full-Stack React Projects The benefits of using a full JavaScript stack for web development are undeniable, especially when robust and widely adopted technologies such as React, Node, and Express and are available. Combining the power of React with industry-tested, server-side technologies, such as Node, Express, and MongoDB creates a diverse array of possibilities when developing real-world web applications. This book guides you through preparing the development environment for MERN stack-based web development, to creating a basic skeleton application and extending it to build four different web applications. These applications include a social media, an online marketplace, a media streaming, and a web-based game application with virtual reality features. While learning to set up the stack and developing a diverse range of applications with this book, you will grasp the inner workings of the MERN stack, extend its capabilities for complex features, and gain actionable knowledge of how to prepare M Also, while implementing a full Data Science Fundamentals for Python and MongoDB Build the foundational data science skills necessary to work with and better understand complex data science algorithms. This example-driven book provides complete Python coding examples to complement and clarify data science concepts, and enrich the learning experience. Coding examples include visualizations whenever appropriate. The book is a necessary precursor to applying and implementing machine learning algorithms. The book is self-contained. All of the math, statistics, stochastic, and programming skills required to master the content are covered. Data Science Fundamentals with Python and MongoDB is an excellent starting point for those interested in pursuing a career in data science. Like any science, the fundamentals of data science are a prerequisite to competency. Without proficiency in mathematics, statistics, data manipulation, and coding, th Together, they provide an easy-to-implement, fully integrated web development stack that allows web programmers to create high-performance sites and applications built completely in JavaScript, from server to client. Updated for Angular 2, Angular 4, and subsequent versions, this new edition of Node. It begins with concise, crystal-clear tutorials on each technology and then quickly moves on to building common web applications. 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, It introduces MongoDB 3. MongoDB in Action, 2nd Edition is a completely revised and updated version. Lots of examples will help you develop confidence in the crucial area of data modeling. It is a document database that allows data persistence and enables you to query data in a nested state without any schema constraints and complex joins between documents. This book provides all the knowledge you need to make MongoDB fit into your

application schema. It starts with a basic introduction to the driver that can be used to perform some low-level interaction with the storage. Then it moves on to using different patterns to abstract the persistence layer into your applications, starting with the flexible Google JSON library to the Hibernate OGM framework and finally landing on the Spring Data framework. By the end of this book, you will know everything you need to integrate MongoDB in your Java applications. 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. 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 dev Reproduction of site books is authorized only for informative purposes and strictly for personal, private use.

Chapter 4 : MongoDB 3 Succinctly Free ebook | Syncfusion

This free MongoDB eBook is designed to get you working with MongoDB as quickly as calendrierdelascience.comng with installation and setup, we quickly show you how to start importing your data into the database.

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MongoDB was designed to solve business problems, which were not effectively answered in other relational databases. This book is designed to use MongoDB effectively for a web application or an enterprise-level application.

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