

transactions for your application configure a local replica set and learn how replication interacts with your application set up cluster components and choose a shard key for a variety of applications explore aspects of application administration and configure authentication and authorization use stats when monitoring back up and restore deployments and use system settings when deploying mongodb this introductory text shows the advantages of using document oriented databases and demonstrates how mongodb is a reliable high performance system that allows for horizontal scalability this updated second edition provides guidance for database developers advanced configuration for system administrators and an overview of the concepts and use cases for other people on a project create a mongodb cluster that will grow to meet the needs of your application with this short and concise book you ll get guidelines for setting up and using clusters to store a large volume of data and learn how to access the data efficiently in the process you ll understand how to make your application work with a distributed database system scaling mongodb will help you set up a mongodb cluster through sharding work with a cluster to query and update data operate monitor and backup your cluster plan your application to deal with outages by following the advice in this book you ll be well on your way to building and running an efficient predictable distributed system using mongodb build an application from backend to browser with node js and kick open the doors to real time event programming with this hands on book you ll learn how to create a social network application similar to linkedin and facebook but with a real time twist and you ll build it with just one programming language javascript if you re an experienced web developer unfamiliar with javascript the book s first section introduces you to the project s core technologies node js backbone js and the mongodb data store you ll then launch into the project a highly responsive highly scalable application guided by clear explanations and lots of code examples learn about key modules in node js for building real time apps use the backbone js framework to write clean browser code and maintain better data integration with mongodb structure project files as a foundation for code that will arrive later create user accounts and learn how to secure the data use backbone js templates to build the application s uis and integrate access control with node js develop a contact list to help users link to and track other accounts use socket io to create real time chat functionality extend your uis to give users up to the minute information this book is a comprehensive guide to mongodb for application developers the book begins by explaining what makes mongodb unique and describing its ideal use cases a series of chapters designed for mongodb mastery then leads into detailed examples for leveraging mongodb in e commerce social networking analytics and other common applications numerous examples will help you develop confidence in the crucial area of data modeling you ll also love the deep explanations of each feature including replication auto sharding and deployment this is well organized book which provides both the proper explanation youll need as a student developer and enough detail to satisfy a developer several examples will help you develop confidence in the crucial area of data modeling youll also love the deep explanations of each feature including replication auto sharding and deployment the first chapters cover a lot of theory but later you dive into practical hands on experience setting up and configuring mongodb from scratch this is crucial if you want to truly understand the database environment this book really does cover just the mongodb simply in depth so it also wont take you very far throughout each chapter youll learn tons of new techniques for using mongodb objects and the basic crud techniques for db connections later chapters even offer source code from multiple languages like java python and php this lets you see how applications can scale using mongo regardless of the backend language you can learn sharding and replication for scaling databases this book is very compact with less than 100 pages but its also incredibly detailed and wastes no time diving right into the action and ease of use what s inside nosql architecture of mongodb standard db operations indexes queries map reduce for custom aggregations and reporting java python and php connectivity schema design patterns deploying for scale and high availability design and build solutions with the most powerful document database mongodb key featureslearn from the experts about every new feature in mongodb 6 and 5develop applications and administer clusters using mongodb on premise or in the cloudexplore code rich case studies showcasing mongodb s major features followed by best practicesbook description mongodb is a leading non relational database this book covers all the major features of mongodb including the latest version 6 mongodb 6 x adds many new features and expands on existing ones such as aggregation indexing replication sharding and mongodb atlas tools some of the mongodb atlas tools that you will master include atlas dedicated clusters and serverless atlas search charts realm application services sync compass cloud manager and data lake by getting hands on working with code using realistic use cases you will master the art of modeling shaping and querying your data and become the mongodb oracle for the business you will focus on broadly used and niche areas such as optimizing queries configuring large scale clusters configuring your cluster for high performance and availability and many more later you will become proficient in auditing monitoring and securing your clusters using a structured and organized approach by the end of this book you will have grasped all the practical understanding needed to design develop administer and scale mongodb based database applications both on premises and on the cloud what you will learnunderstand data modeling and schema design including smart indexingmaster querying data using aggregationuse distributed transactions replication and sharding for better resultsadminister your database using backups and monitoring toolssecure your cluster with the best checklists and advicemaster mongodb atlas search charts serverless realm compass cloud manager and other tools offered in the cloud or on premisesintegrate mongodb with other big data sourcesdesign and deploy mongodb in mobile iot and serverless environmentswho this book is for this book is for mongodb developers and database administrators who want to learn how to model their data using mongodb in depth for both greenfield and existing projects an understanding of mongodb shell command skills and basic database design

MongoDB: The Definitive Guide 2019-12-09

manage your data with a system designed to support modern application development updated for mongodb 4.2 the third edition of this authoritative and accessible guide shows you the advantages of using document oriented databases you'll learn how this secure high performance system enables flexible data models high availability and horizontal scalability authors shannon bradshaw eoin brazil and kristina chodorow provide guidance for database developers advanced configuration for system administrators and use cases for a variety of projects nosql newcomers and experienced mongodb users will find updates on querying indexing aggregation transactions replica sets ops management sharding and data administration durability monitoring and security in six parts this book shows you how to work with mongodb perform write operations find documents and create complex queries index collections aggregate data and use transactions for your application configure a local replica set and learn how replication interacts with your application set up cluster components and choose a shard key for a variety of applications explore aspects of application administration and configure authentication and authorization use stats when monitoring back up and restore deployments and use system settings when deploying mongodb

50 Tips and Tricks for MongoDB Developers 2011-04-26

a collection of tips tricks and hacks to help mongodb developers get the most out of the software the tips cover everything from application design to data safety and monitoring

MongoDB: The Definitive Guide 2013-05-10

manage the humongous amount of data collected through your web application with mongodb this authoritative introduction written by a core contributor to the project shows you the many advantages of using document oriented databases and demonstrates how this reliable high performance system allows for almost infinite horizontal scalability this updated second edition provides guidance for database developers advanced configuration for system administrators and an overview of the concepts and use cases for other people on your project ideal for nosql newcomers and experienced mongodb users alike this guide provides numerous real world schema design examples get started with mongodb core concepts and vocabulary perform basic write operations at different levels of safety and speed create complex queries with options for limiting skipping and sorting results design an application that works well with mongodb aggregate data including counting finding distinct values grouping documents and using mapreduce gather and interpret statistics about your collections and databases set up replica sets and automatic failover in mongodb use sharding to scale horizontally and learn how it impacts applications delve into monitoring security and authentication backup restore and other administrative tasks

Scaling MongoDB 2011-02-07

create a mongodb cluster that will to grow to meet the needs of your application with this short and concise book you'll get guidelines for setting up and using clusters to store a large volume of data and learn how to access the data efficiently in the process you'll understand how to make your application work with a distributed database system scaling mongodb will help you set up a mongodb cluster through sharding work with a cluster to query and update data operate monitor and backup your cluster plan your application to deal with outages by following the advice in this book you'll be well on your way to building and running an efficient predictable distributed system using mongodb

MongoDB: The Definitive Guide 2010-09-17

how does mongodb help you manage a humongous amount of data collected through your web application with this authoritative introduction you'll learn the many advantages of using document oriented databases and discover why mongodb is a reliable high performance system that allows for almost infinite horizontal scalability written by engineers from 10gen the company that develops and supports this open source database mongodb the definitive guide provides guidance for database developers advanced configuration for

system administrators and an overview of the concepts and use cases for other people on your project learn how easy it is to handle data as self contained json style documents rather than as records in a relational database explore ways that document oriented storage will work for your project learn how mongodb s schema free data model handles documents collections and multiple databases execute basic write operations and create complex queries to find data with any criteria use indexes aggregation tools and other advanced query techniques learn about monitoring security and authentication backup and repair and more set up master slave and automatic failover replication in mongodb use sharding to scale mongodb horizontally and learn how it impacts applications get example applications written in java php python and ruby

Scaling MongoDB 2011-01-31

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Building Node Applications with MongoDB and Backbone 2012-12-11

build an application from backend to browser with node js and kick open the doors to real time event programming with this hands on book you ll learn how to create a social network application similar to linkedin and facebook but with a real time twist and you ll build it with just one programming language javascript if you re an experienced web developer unfamiliar with javascript the book s first section introduces you to the project s core technologies node js backbone js and the mongodb data store you ll then launch into the project a highly responsive highly scalable application guided by clear explanations and lots of code examples learn about key modules in node js for building real time apps use the backbone js framework to write clean browser code and maintain better data integration with mongodb structure project files as a foundation for code that will arrive later create user accounts and learn how to secure the data use backbone js templates to build the application s uis and integrate access control with node js develop a contact list to help users link to and track other accounts use socket io to create real time chat functionality extend your uis to give users up to the minute information

MongoDB 2019-10-16

this book is a comprehensive guide to mongodb for application developers the book begins by explaining what makes mongodb unique and describing its ideal use cases a series of chapters designed for mongodb mastery then leads into detailed examples for leveraging mongodb in e commerce social networking analytics and other common applications numerous examples will help you develop confidence in the crucial area of data modeling you ll also love the deep explanations of each feature including replication auto sharding and deployment this is well organized book which provides both the proper explanation youll need as a student developer and enough detail to satisfy a developer several examples will help you develop confidence in the crucial area of data modeling youll also love the deep explanations of each feature including replication auto sharding and deployment the first chapters cover a lot of theory but later you dive into practical hands on experience setting up and configuring mongodb from scratch this is crucial if you want to truly understand the database environment this book really does cover just the mongodb simply in depth so it also wont take you very far throughout each chapter youll learn tons of new techniques for using mongodb objects and the basic crud techniques for db connections later chapters even offer source code from multiple languages like java python and php this lets you see how applications can scale using mongo regardless of the backend language you can learn sharding and replication for scaling databases this book is very compact with less than 100 pages but its also incredibly detailed and wastes no time diving right into the action and ease of use what s inside nosql architecture of mongodb standard db operations indexes queries map reduce for custom aggregations and reporting java python and php connectivity schema design patterns deploying for scale and high availability

Mastering MongoDB 6.x 2022-08-30

design and build solutions with the most powerful document database mongodb key featureslearn from the experts about every new feature in mongodb 6 and 5develop applications and administer clusters using mongodb on premise or in the cloudexplore code rich case studies showcasing mongodb s major features followed by best practicesbook description mongodb is a leading non relational database this book covers all the major features of mongodb including the latest version 6 mongodb 6 x adds many new features and expands on existing ones such as aggregation indexing replication sharding and mongodb atlas tools some of the mongodb atlas tools that you will master include atlas dedicated clusters and serverless atlas search charts realm application services sync compass cloud manager and data lake by getting hands on working with code using realistic use cases you will master the art of modeling shaping and querying your data and become the mongodb oracle for the business you will focus on broadly used and niche areas such as optimizing queries configuring large scale clusters configuring your cluster for high performance and availability and many more later you will become proficient in auditing monitoring and securing your clusters using a structured and organized approach by the end of this book you will have grasped all the practical understanding needed to design develop administer and scale mongodb based database applications both on premises and on the cloud what you will learnunderstand data modeling and schema design including smart indexingmaster querying data using aggregationuse distributed transactions replication and sharding for better resultsadminister your database using backups and monitoring toolssecure your cluster with the best checklists and advicemaster mongodb atlas search charts serverless realm compass cloud manager and other tools offered in the cloud or on premisesintegrate mongodb with other big data sourcesdesign and deploy mongodb in mobile iot and serverless environmentswho this book is for this book is for mongodb developers and database administrators

who want to learn how to model their data using mongodb in depth for both greenfield and existing projects an understanding of mongodb shell command skills and basic database design concepts is required to get the most out of this book

MongoDB

mongodb

Head First SQL

sql

7 Languages in 7 Weeks

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