



# Learning Apache Cassandra - Manage Fault Tolerant and Scalable Real-Time Data

By Mat Brown



## Learning Apache Cassandra - Manage Fault Tolerant and Scalable Real-Time Data By Mat Brown

### Key Features

- Learn how to install and use Cassandra from the ground up
- Design rich schemas that capture the relationships between different data types using compound primary keys
- Master the advanced features available in Cassandra 2.0 through a step-by-step tutorial that builds a real-world application's database layer.

### Book Description

Cassandra is a distributed database that stands out for its robust feature set and intuitive interface, while still providing the high availability and scalability of a distributed store.

Starting from installing Cassandra and creating your first keyspace, to mastering the different table structures Cassandra offers and exploring the latest and most powerful features of the Cassandra Query Language, CQL3, this book explores each topic through the lens of a real-world example application. With plenty of examples, tips, and clear explanations, you'll master compound primary keys, collection columns, lightweight transactions, and many other advanced aspects of Cassandra.

By the end of the book, you'll be fully equipped to build powerful, scalable Cassandra database layers for your applications.

### What you will learn

- Install Cassandra and create your first keyspace
- Choose the right table structure for the task at hand in a variety of scenarios
- Use range slice queries for efficient data access
- Effortlessly handle concurrent updates with collection columns
- Ensure data integrity with lightweight transactions and logged batches
- Understand eventual consistency and use the right consistency level for your situation
- Implement best practices for data modeling and access

## About the Author

**Mat Brown** is a professional software engineer in Brooklyn, New York. In his career, he has focused on building consumer-facing web and mobile applications for several companies; he currently works at Genius.

## Table of Contents

1. Getting up and Running with Cassandra
2. The First Table
3. Organizing Related Data
4. Beyond Key-value Lookup
5. Establishing Relationships
6. Denormalizing Data for Maximum Performance
7. Expanding Your Data Model
8. Collections, Tuples, and User-defined Types
9. Aggregating Time-series Data
10. How Cassandra Distributes Data

 [Download Learning Apache Cassandra - Manage Fault Tolerant ...pdf](#)

 [Read Online Learning Apache Cassandra - Manage Fault Tolera ...pdf](#)

# Learning Apache Cassandra - Manage Fault Tolerant and Scalable Real-Time Data

*By Mat Brown*

**Learning Apache Cassandra - Manage Fault Tolerant and Scalable Real-Time Data** By Mat Brown

## Key Features

- Learn how to install and use Cassandra from the ground up
- Design rich schemas that capture the relationships between different data types using compound primary keys
- Master the advanced features available in Cassandra 2.0 through a step-by-step tutorial that builds a real-world application's database layer.

## Book Description

Cassandra is a distributed database that stands out for its robust feature set and intuitive interface, while still providing the high availability and scalability of a distributed store.

Starting from installing Cassandra and creating your first keyspace, to mastering the different table structures Cassandra offers and exploring the latest and most powerful features of the Cassandra Query Language, CQL3, this book explores each topic through the lens of a real-world example application. With plenty of examples, tips, and clear explanations, you'll master compound primary keys, collection columns, lightweight transactions, and many other advanced aspects of Cassandra.

By the end of the book, you'll be fully equipped to build powerful, scalable Cassandra database layers for your applications.

## What you will learn

- Install Cassandra and create your first keyspace
- Choose the right table structure for the task at hand in a variety of scenarios
- Use range slice queries for efficient data access
- Effortlessly handle concurrent updates with collection columns
- Ensure data integrity with lightweight transactions and logged batches
- Understand eventual consistency and use the right consistency level for your situation
- Implement best practices for data modeling and access

## About the Author

**Mat Brown** is a professional software engineer in Brooklyn, New York. In his career, he has focused on building consumer-facing web and mobile applications for several companies; he currently works at Genius.

## Table of Contents

1. Getting up and Running with Cassandra
2. The First Table
3. Organizing Related Data

4. Beyond Key-value Lookup
5. Establishing Relationships
6. Denormalizing Data for Maximum Performance
7. Expanding Your Data Model
8. Collections, Tuples, and User-defined Types
9. Aggregating Time-series Data
10. How Cassandra Distributes Data

## **Learning Apache Cassandra - Manage Fault Tolerant and Scalable Real-Time Data By Mat Brown Bibliography**

- Sales Rank: #300778 in eBooks
- Published on: 2015-02-25
- Released on: 2015-02-25
- Format: Kindle eBook

 [Download Learning Apache Cassandra - Manage Fault Tolerant ...pdf](#)

 [Read Online Learning Apache Cassandra - Manage Fault Tolera ...pdf](#)

## Download and Read Free Online Learning Apache Cassandra - Manage Fault Tolerant and Scalable Real-Time Data By Mat Brown

---

### Editorial Review

About the Author

#### Mat Brown

Mat Brown is a professional software engineer in Brooklyn, New York. In his career, he has focused on building consumer-facing web and mobile applications for several companies; he currently works at Genius. Mat is an enthusiastic contributor to the Ruby open source ecosystem. He is the maintainer of Cequel, a Ruby object mapper for Cassandra, and was the original author of Sunspot, a library that seamlessly integrates Solr search into Rails applications.

### Users Review

**From reader reviews:**

#### Teresa Ealy:

Reading can called head hangout, why? Because when you find yourself reading a book particularly book entitled Learning Apache Cassandra - Manage Fault Tolerant and Scalable Real-Time Data the mind will drift away trough every dimension, wandering in every single aspect that maybe unknown for but surely will become your mind friends. Imaging every single word written in a guide then become one application form conclusion and explanation that maybe you never get just before. The Learning Apache Cassandra - Manage Fault Tolerant and Scalable Real-Time Data giving you an additional experience more than blown away the mind but also giving you useful facts for your better life in this era. So now let us demonstrate the relaxing pattern at this point is your body and mind are going to be pleased when you are finished examining it, like winning a game. Do you want to try this extraordinary investing spare time activity?

#### William Manwaring:

Do you have something that that suits you such as book? The e-book lovers usually prefer to decide on book like comic, limited story and the biggest some may be novel. Now, why not trying Learning Apache Cassandra - Manage Fault Tolerant and Scalable Real-Time Data that give your entertainment preference will be satisfied by reading this book. Reading addiction all over the world can be said as the opportunity for people to know world much better then how they react to the world. It can't be stated constantly that reading addiction only for the geeky particular person but for all of you who wants to end up being success person. So , for all of you who want to start looking at as your good habit, you are able to pick Learning Apache Cassandra - Manage Fault Tolerant and Scalable Real-Time Data become your starter.

#### Daryl Glover:

Are you kind of busy person, only have 10 or even 15 minute in your morning to upgrading your mind proficiency or thinking skill also analytical thinking? Then you are having problem with the book when

compared with can satisfy your short period of time to read it because all of this time you only find reserve that need more time to be read. Learning Apache Cassandra - Manage Fault Tolerant and Scalable Real-Time Data can be your answer since it can be read by you who have those short free time problems.

**Frank Tye:**

On this era which is the greater man or who has ability in doing something more are more important than other. Do you want to become considered one of it? It is just simple method to have that. What you need to do is just spending your time not much but quite enough to experience a look at some books. On the list of books in the top record in your reading list will be Learning Apache Cassandra - Manage Fault Tolerant and Scalable Real-Time Data. This book which can be qualified as The Hungry Mountains can get you closer in turning into precious person. By looking way up and review this e-book you can get many advantages.

**Download and Read Online Learning Apache Cassandra - Manage Fault Tolerant and Scalable Real-Time Data By Mat Brown #SPKLO9MNR6D**

## **Read Learning Apache Cassandra - Manage Fault Tolerant and Scalable Real-Time Data By Mat Brown for online ebook**

Learning Apache Cassandra - Manage Fault Tolerant and Scalable Real-Time Data By Mat Brown Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Learning Apache Cassandra - Manage Fault Tolerant and Scalable Real-Time Data By Mat Brown books to read online.

### **Online Learning Apache Cassandra - Manage Fault Tolerant and Scalable Real-Time Data By Mat Brown ebook PDF download**

#### **Learning Apache Cassandra - Manage Fault Tolerant and Scalable Real-Time Data By Mat Brown Doc**

**Learning Apache Cassandra - Manage Fault Tolerant and Scalable Real-Time Data By Mat Brown Mobipocket**

**Learning Apache Cassandra - Manage Fault Tolerant and Scalable Real-Time Data By Mat Brown EPub**