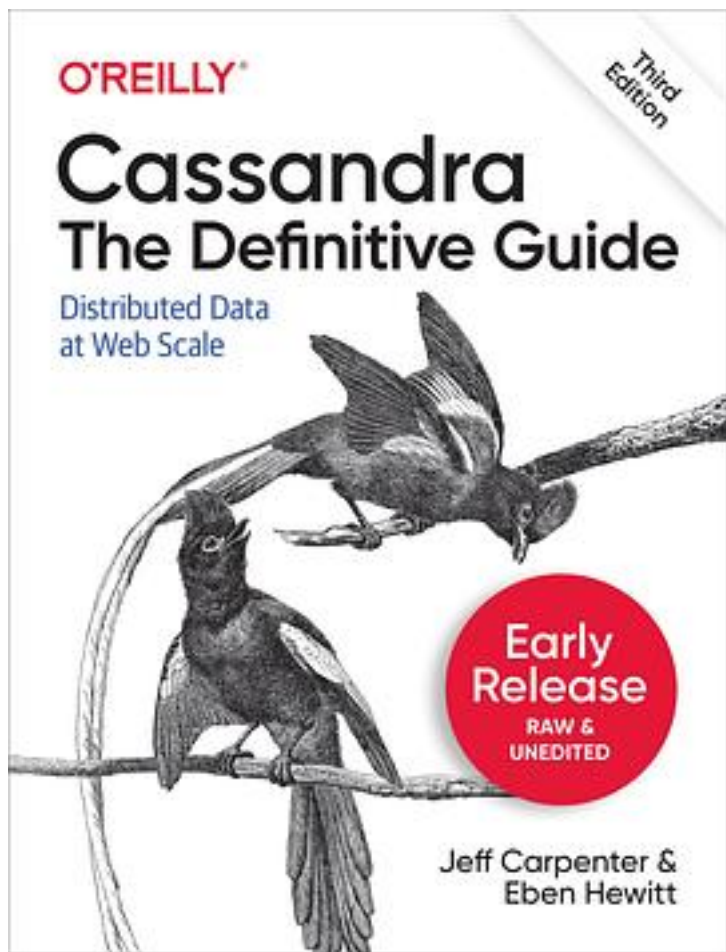# Cassandra: The Definitive Guide, 3rd Edition

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Imagine what you could do if scalability wasn't a problem. With this hands-on guide, you'll learn how the Cassandra database management system handles hundreds of terabytes of data while remaining highly available across multiple data centers. This

third edition—updated for Cassandra 4.0—provides the technical details and practical examples you need to put this database to work in a production environment.

Authors Jeff Carpenter and Eben Hewitt demonstrate the advantages of Cassandra's nonrelational design, with special attention to data modeling. If you're a developer, DBA, or application architect looking to solve a database scaling issue or future-proof your application, this guide helps you harness Cassandra's speed and flexibility.

Understand Cassandra's distributed and decentralized structure

Use the Cassandra Query Language (CQL) and cqlsh—the CQL shell

Create a working data model and compare it with an equivalent relational model

Develop sample applications using client drivers for languages including Java, Python, and Node.js

Explore cluster topology and learn how nodes exchange data

作者介绍:

Jeff Carpenter is the Director of Developer Advocacy at DataStax, where he leverages his background in system architecture, microservices and Apache Cassandra to help empower developers and operations engineers to build distributed systems that are scalable, reliable, and secure. Jeff has worked on projects ranging from a complex battle planning system in an austere network environment, to a cloud-based hotel reservation system and is the author of Cassandra: The Definitive Guide, 2nd Edition.

Eben Hewitt is the CTO and Chief Architect at Sabre Hospitality where he is responsible for the technology strategy and for designing large-scale, mission-critical systems and leading teams to build them. He has served as CTO at one of the world's largest hotel companies and CIO of O'Reilly Media. He has been a consultant to Warburg Pincus and others on distributed data and a frequent speaker at international conferences. He is the author of several books, including Technology Strategy Patterns (2018), Cassandra: The Definitive Guide, Java SOA Cookbook, and several other books on architecture, web and software development, including Semantic Software Design (2019). He's won several innovation awards for his software design work.

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标签

软件工程

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数据库

分布式

Distributed

Backend

评论

很棒的一本书！对 Cassandra 的理论和使用都有中等深度的讲解。主要看了理论性较强的 2,4,6,7,9 章，感觉收获很大，当然理论讲得再深一点就更好了。

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书评

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