Abstract

From the continuous growth of data that arises in this new era of Big Data, the old assumption of one size fits all solutions is no longer valid. There is a huge effort in development alternatives for relational model. Generally, the study of these databases models targets in providing solutions that increase performance of different applications. For example, in nowadays applications, such as Big Table analysis, analytic queries typically encompass aggregations of huge datasets. To allow for data analysis to occur in a feasible time, it is necessary for database systems to offer good performance in ETL (extract, transform, and load) operations. This paper briefly presents the performance of some representative database models in addressing a set of analytical queries.

References

1. Min Chen, Shiwen Mao, and Yunhao Liu. Big data: A survey. Mobile Networks and
20. Fay Chang, Jeffrey Dean, Sanjay Ghemawat, Wilson C Hsieh, Deborah AWallach, Mike


Index Terms

Computer Science

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