Abstract

So far relational databases are used for storing the data for the applications but now there is need to store huge amount of data to store and manage which cannot stored by relational databases. NoSQL technology over comes this problem. This research paper provides a brief introduction to NoSQL database working and comparative study between MongodB and Cassandra, Which are mostly used for big data application. The operations are performed on Ubuntu system to explore the results as distinguish between both NoSql databases. This paper shows the performance of MongodB and Cassandra. Results proves that Cassandra is more powerful than Mongodb to load and process on big data and processing very fast as compare to Mongodb. This paper describes the functionality of MongodB and Cassandra over the large dataset.

References

terms of scalability, there is a clear winner throughout our experiments. Cassandra achieves the highest throughput for the maximum number of nodes in all experiments. . . this comes at the price of high write and read latencies


Index Terms

Computer Science Database Management Systems

Keywords

NoSql Databases  Mongodb  Cassandra  Big Data.