Abstract

In the current scenario, big data is the biggest challenge for the industries to deal with. It is characterized by Huge Volume, Heterogeneous unidentified sources, High rate of data generation, inability to extract value information from irrelevant data. There are many approaches been put forward for dealing with this Big Data, some of them are RDBMS, Hadoop, Cloud Computing etc. This review article includes an elicitation of definitions of Big Data from some previous work, its characteristics, applications, various implementation techniques proposed for dealing with Big Data. It also discusses about some of the benchmarks which are proposed by companies.

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**Index Terms**

Computer Science Databases

**Keywords**

Big Data, Hadoop, Map Reduce