Big Data Technologies: Brief Overview

Volume 131
Number 9
Year of Publication: 2015

Authors:
Yojna Arora, Dinesh Goyal

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.

References

3. Dan Garlasu, “Data Implementation Based on Grid Computing”,
8. Rich Adduci, Dave Blue and Guy Chiarello, “Big Data : Big Opportunities to create Business value”, in EMC2
15. Dr Daniel Fasel, “ Potentials of Big Data for Governmental Services”,
19. Xindong Wu, Xingquan Zhu, Gong Qing Wu and Wei Ding, “Data Mining with Big Data”, in IEEE transactions in knowledge and data engineering, Vol 26, Number 1, January 2014

27. Lin Gu, Deze Zeng and Peng Li, “Cost Minimization for Big data Processing in Geo Distributed Data Centers”, in IEEE transactions on Emerging topics in Computing, 2014


29. B. Gerhardt, K. Griffin and R. Klemann, "Unlocking Value in the Fragmented World of Big Data Analytics", Cisco Internet Business Solutions Group, June 2012,


Index Terms

Computer Science

Databases

Keywords

Big Data, Hadoop, Map Reduce