Abstract

Big data is the word used to describe structured and unstructured data. The term big data is originated from the web search companies who had to query loosely structured very large
distributed data. Big Data is a new term used to identify the datasets that due to their large size and complexity. Big data mining is the capabilities of extracting useful information from these large datasets or streams data that due to its volume, variability and velocity. This data is going to be more diverse larger and faster. Mapreduce provides to the application programmer the abstraction of the map and reduce. Mapreduce is a framework used to write applications that process large amounts of data in parallel on clusters. Mapreduce framework for processing large amount of data. The main aim of this system is to improve performance through parallelization of various operations such as loading the data. This paper explores the efficient implementation of bisecting clustering algorithm with mapreduce in the context of grouping along with a new fully distributed architecture to implement the mapreduce programming model. The architecture also uses queries to shuffle results from map to reduce the cluster results also indicate that queues to overlap the map and shuffling stage seems to be a promising approach to improve mapreduce performance.

References

- Wu Yuntian, Shaanxi University of Science and Technology, "Based on Machine Learning of Data Mining to Further Explore"; 2012 International Conference on Machine Learning Banff, Canada.
- NeelamadhabPadhy, Dr. Pragnyaban Mishra and RasmitsaPanigrahi, "The Survey of Data Mining Applications And Feature Scope"; International Journal of Computer Science and Information Processing(CSIP).
- Aditya B. Patel, Manashvi Birla, Ushma Nair, (6-8 Dec. 2012), "Addressing Big..."
Various Data-Mining Techniques for Big Data

Data Problem Using Hadoop and Map Reduce:
- Dong, X. L.; Srivastava, D. Data Engineering (ICDE)apos; Big data integration&amp;quot; IEEE International Conference on, 29(2013)1245-1248.

- Yaxiong Zhao; Jie Wu INFOCOM, &quot;Dache: A Data Aware Caching for Big-Data Applications Using the MapReduce Framework;&quot; 2014 Proceedings IEEE 2014, 35 – 39 (Volume 19).

Index Terms
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Keywords
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