Abstract

In recent years, there are various sources that generates data in petabyte and terabyte, known as big data and its generated by human, machine, sensor etc. So the solution leds with big data is Apache Hadoop has attracted strong attention because of its applicability on processing for the large data sets. This paper present the review about the big data and it’s characteristics and also the types of the open source tools environment like HADOOP. The objective of paper to identify the power of the Hadoop on the big data and motivation behind the new research and outlines to address to Apache Hadoop also includes the programming paradigm that is Map-Reduce.

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**Index Terms**

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Bigdata, ApacheHadoop, Map-Reduce,distributed systemHDFS,MPI,G-Hadoop,Gfram,3VBigDatamodel, 5 VBigData model.