Survey on Various Applications of Hadoop in Bioinformatics

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Abstract

Apache Hadoop is an emerging technology that is widely used in the data intensive applications like Big Data Analysis. This technology is currently used in the searching applications of Google, Yahoo, and Amazon. But recently it is found that Hadoop is widely being used in the data analysis of genome sequences of Biosciences. Bioinformatics is the new field of science where the computer technology is used in studying the molecular biology. For example, Hadoop technology can be used in finding a particular genome sequence from a huge dataset of Genes in Genetics.

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**Index Terms**

Computer Science Security

**Keywords**

Interest Locality, Data Groupings, CloudBLAST, Cloudburst