
Name: Mohit Kumar Gupta

UID: 19MCA8265

Branch: MCA

Section: C/2

Topic: Hadoop

Abstract

Hadoop is an open-source application framework which is a part of the Apache suite of applications. It is primarily used for data analysis. It can compute and analyze large amounts of data. A primary feature of Hadoop is that it is designed keeping in mind that hardware failures can occur at any time and should be automatically handled by the system. Because of its high data processing capabilities and fault-tolerance, it is a popular data analysis software used across various industries.

Hadoop under Big Data is revolutionizing the IT world by addressing massive dataset challenges with performance and scalability, many tech businesses aren't ready to make the move. The explanation for this is that the line of business requires atomic transactions, which relational databases excel at supporting. As a result, in order to maximize the advantages of both technologies, solutions that can propel the company are addressed using big data analytics.

The world's data gathering is nearing a turning point for significant technical shifts that will usher in new approaches to policy making, community administration, banking, and education. Although data complexities such as length, variety, velocity, and veracity are increasing, the real effect is dependent on our ability to discover the meaning' in the data using Big Data Analytics technologies

Consider the result we will provide for this platform, how it will be new, what improvements we are attempting to overcome.