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Apache Hadoop is a Java software framework that supports data intensive distributed applications under a free license. It enables applications to work **with thousands** of nodes and petabytes of data. Hadoop was inspired by Google's [MapReduce](#) and Google File System (GFS) papers.

Hadoop is a top level Apache project, being built and used by a community of contributors from all over the world. Yahoo! has been the largest contributor to the project and uses Hadoop extensively in its web search and advertising businesses. IBM and Google have announced a major initiative to use Hadoop to support university courses in distributed computer programming.

Hadoop was created by Doug Cutting (now a Cloudera employee), who named it after his child's stuffed elephant. It was originally developed to support distribution for the Nutch search engine project.

Hadoopshared-nothingHDFSMapReduceHiveHBasePigZooKeeperHDFSGoogleGFSZooKeeperGoogleChubbyHBaseGoogleBigTableHDFS

HadoopDoug Cutting200420082009

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