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Abstract

Due to the enormous amount of scientific papers indexed in digital repositories on the internet, users face difficulties when searching for a particular document and spend a long time to find what they want. Our proposed work introduces a Digital Library Recommender System named DLRS that facilitates the searching process in DBLP dataset as an example of big data environment based on Hadoop and Hive-QL as a query engine using MapReduce parallel programming framework. Our proposed work compared with Mahout Recommender engine as another technique for implementing recommender systems on Hadoop environment shows the scalability, capability, ease of use and time-consuming of DLRS especially in clusters.