

عنوان البحث

Indexed Map-Reduce Join Algorithm

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ملخص البحث باللغة الانجليزية

Map Reduce is used to handle and support massive data sets .rably increasing in data size, and big data are imperative today to make an analysis of this data. Map-Reduce gets more helpful information by using two simple functions map and reduce with load balancing, fault tolerance, and high scalability .the most important operation in the analysis process is join. This paper explains new two-way join algorithm called Indexed Map Reduce Join Algorithm that used Index in the large table to Decrease I/O and Shuffling that cause Best performance in Map Reduce Join. Our experimental result shows that using Index-join algorithm has high performance than other algorithms while increasing the data size from 100 million records to 500 million without memory overflow.