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Parallel Database support for Distributed Computing

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The problem of big data is becoming increasingly important in our time. This is the most effective solution for the storage and data processing. Lately there is an interest for the same approach for data supply in large scale computations. It is based on the use of parallel database management systems (DBMS), providing parallel processing on requests of Distributed computing systems. There are several commercial solutions, which allow to process large amounts of data, but until recently they have focused on one or other specific hardware platform (DB2 Parallel Edition, NonStop SQL, NCR Teradata, Oracle RAC, Greenplum, and others.) and are not suitable for mass use in the Distributed systems. In addition, these solutions are expensive commercial products. This work is dedicated to the development of parallel database computing system for data supply in large scale computations, which should outplay commercial counterparts in performance.

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