

Design and Implementation of Multidatabase Transaction

Processing Prototype Systems

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Abstract

In this paper, the design and implementation of the MDBS_1, a multi-database transaction processing prototype system, is described. The kernel of transaction processing and the design of local agents are mainly discussed. In order to develop the parallelism of inter-transaction and intra-transaction, multi-thread technique is used, thus system performance is improved.

Key words

Multi-database, transaction processing, local agent, client/server model, multi-thread