Abstract

Replication can be a success factor in database systems as well as perhaps being one of the needs of proliferation, expansion, and the rapid progress of databases and distributed technology, despite there being a strong belief among database designers that most existing solutions are not feasible due to their complexity, poor performance and lack of scalability. This paper provides an approach that can help designers in implementing eager and lazy replication mechanisms. The proposed approach contains two phases: In the first phase, the database is designed to have indicator fields that can carry the update status, and to consider the replication concepts by classifying, categorizing and determining the kinds and locations of data objects; in the second phase, the updating methodology is provided to make the implementation of eager and lazy replication mechanisms easier and reliable.

References

An Approach for Designing and Implementing Eager and lazy Data Replication

- GORDA, deliverable D1.1 report (2006) State of the art in database replication. GORDA is specific targeted research Project Group for Open Replication of Database. Supported by the European Community under the Sixth European Union Framework Programs for Research and Technological Development Coordinator: University of Minho


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