Abstract

Middleware has become an essential component for almost every distributed database system. It uses wrappers when integration is achieved for heterogeneity. Different middleware systems have been produced aiming for a better performance. In this paper a new middleware system for heterogeneous distributed databases (HDDBs) called Open-Gate is proposed. Its main objective is to provide an efficient system with the characteristics of autonomy, scalability, reliability, and high performance. In addition, it can handle a huge number of users overcoming the bottleneck problem or loss of user’s queries. Experimental results show that, the proposed system achieved high performance compared to other systems.

References

Open-Gate: An Efficient Middleware System for Heterogeneous Distributed Databases

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**Index Terms**

Computer Science  
Distributed Computing

**Keywords**

Heterogeneous Distributed Database  
Middleware  
Wrapper