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


- Xuhong Liu, Yunmei Shi, Yabin Xu, Yingai Tian, Fuheng Liu, "Heterogeneous Database Integration of EPR System Based on OGSA-DAI", in High Performance Computing and Applications LNCS, 5938: 257-263, Mar. 2010.


- Java developer, at http://www.eclipse.org


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


Index Terms

Computer Science
Distributed Computing

Keywords

Heterogeneous Distributed Database Middleware Wrapper