

RESEARCH AND IMPLEMENTATION OF AN MULTIDATABASE SYSTEM BASED ON CORBA AND XML

LU Zheng-Ding, LI Bing, XIAO Wei-Jun, LI Rui-Xuan

(School of Computer Science & Technology, Huazhong University of Science
& Technology, WuHan 430074)

libingyk@public.wh.hb.cn

Abstract:

A multidatabase system is an effective approach to implement data sharing and interoperability among many distributed and heterogeneous data sources. In this paper, a CORBA-based architecture model of multidatabase system is firstly introduced. Then, an XML-oriented common data model, named XIDM, is presented. These models conform to the characteristics of multidatabase systems, such as autonomy, distribution and heterogeneity. Panorama, a prototype system on the basis of these models, is introduced at the end of the paper.

Key words:

multidatabase system, CORBA, XML, local Agent