

INTEGRATING OF FILE SYSTEMS AND MULTIDATABASE SYSTEMS BASED ON XML

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Abstract Integration between file systems and multidatabase systems is a necessary approach to support data sharing from distributed and heterogeneous data sources. Based on analyzing the problem about integration between file systems and multidatabase systems, the paper proposes use XML (eXtensible Markup Language) to integrating file systems into multidatabase systems. A common data model named XIDM, which is oriented to XML Schema, is presented in this paper. Because XIDM bases on a series of XML standards and can well describe semistructured data, it is powerful practicable and multipurpose. The paper discusses current query languages for XML and then determines to expand XML-QL as query language.

Key words file systems, multidatabase systems, data integration, XML

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