RXML: PATH-BASED AND XML DOM APPROACHES FOR INTEGRATING BETWEEN RELATIONAL AND XML DATABASES

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The Simi-structure Extensible Markup Language (XML) databases become more popular and more efficient to exchange data and information. Although traditional models such as relational database a long time ago still widely used in most of databases sectors, the XML is more flexible and easy for exchange and share data. Consequently, this paper proposes a middleware relational storage for converting between XML and relational databases, the technique uses path-based relational storage approach and XML Document Object (DOM) Model, a middleware relational storage is developed to store XML tree structures and relation tables after reengineering. Likewise, the technique applies 1-index method to reduce size of the stored data. Moreover, the paper conducts a series of experiments to evaluate the performance of the proposed technique.

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