Abstract

Data integration helps in manipulating data transparently across multiple distributed databases. The purpose of integration system is to provide a unified global view to the user over various heterogeneous data sources. To answer user queries, a data integration system employs a set of semantic mapping between global and local schema. Such integration has challenges of creation of local and global schema and mappings generation. This paper proposes an approach to address such a data integration system for data sources having heterogeneity in structure and semantics. Here data sources chosen are assumed to be in XML format with different schema.

References

- Xiong Fengguang, Han Xie, Kuang Liqun. Research and implementation of heterogeneous data integration based on XML. IEEE-2009.

**Index Terms**

Computer Science

Information Sciences

**Keywords**

OWL XML XML Schema Schema mappings ontology mapping