A Comparative Analysis of Ontology and Schema Matching Systems

Volume 34 - Number 8

Year of Publication: 2011

Authors:

K. Saruladha
Dr. G. Aghila
B. Sathiya

Abstract

In a distributed and open system, such as the semantic web and many other applications like information integration, peer-peer communication, etc., the heterogeneity among the data increases enormously. To solve the heterogeneity issue various matching techniques are proposed and large-scale matching needs especially to be supported for different kinds of
ontologies and XML schemas due to their increasing use and size, e.g., in life science applications, e-business and web. In this paper the techniques which are scalable like early pruning, partitioning, parallelization and some renowned scalable matching techniques are discussed. In addition to it, a brief comparison of the discussed matching techniques is also presented.

Reference


**Index Terms**

Computer Science  
Artificial Intelligence

**Key words**

Similarity Measure  
Schema Matching

Ontology Matching

Ontology Alignment

Image Segmentation

K means